Acknowledgments

Nancy Aldrich-Ruenzel has wholeheartedly supported our books during the 16 years that she has been at the helm of Peachpit Press.

Susan Rimerman, editor at Peachpit Press, was responsive to our every question and request.

Lisa Brazieal, eagle-eyed production editor, did an expert job of spearheading the prepress production before sending the files off to RR Donnelley.

Nancy Davis, editor-in-chief; Gary-Paul Prince, promotions manager; Keasley Jones, associate publisher; Glenn Bisignani, marketing manager; and many other terrific, hard-working people at Peachpit contributed their respective talents.

Victor Gavenda, longtime (and multitalented) editor at Peachpit Press, tech edited Chapters 2, 6, 8, 10, 13, 17–19, 21–23, and 25 in Windows.

Wayne Palmer, of palmermultimedia.com, tech edited Chapters 1, 3–5, 7, 9, 11–12, 14–16, and 20 in Windows and provided the first draft of the section on video editing.

Elaine Soares, photo research manager, and Lee Scher, photo research coordinator, of the Image Resource Center at Pearson Education (the parent company of Peachpit Press) quickly procured the stock photos from Shutterstock.com that we requested.

Rebecca Pepper did a thorough, thoughtful, and meticulous job of copy editing.

Steve Rath produced a comprehensive index, carefully customized to our needs.

Scout Festa did excellent work in the final — and final-final — rounds of proofreading.

Adobe Systems, Inc. produces innovative software that is a pleasure to use and write about. For allowing us to test the prerelease version of Photoshop CS6 and for helping us untangle its mysteries by way of the online forum, we thank Zorana Gee, senior product manager of Photoshop and Photoshop Extended; Bryan O’Neil Hughes, senior product manager of Photoshop; Stephen Nielsen, product manager of Photoshop and Photoshop Touch; Aditi Bansal, project lead of prerelease programs; and the many other members of the Adobe Photoshop CS6 prerelease team.

Our friends and relatives are there for us in meaningful ways even when we don’t have time to see them (can’t wait for some unhurried visits!).

Our daughters, Alicia and Simona, are blossoming into terrific adults — and are our greatest joy.

— Elaine Weinmann and Peter Lourekas
**Contents**

1: **Color Management**
- Launching Photoshop ........................................... 1
- Photoshop color ................................................. 2
- Introduction to color management ................................. 5
- Calibrating your display ........................................... 7
- Choosing a color space for Photoshop .............................. 8
- Synchronizing color settings among Creative Suite applications ................................................................. 9
- Customizing the color policies for Photoshop ..................... 10
- Installing and saving custom color settings ......................... 11
- Acquiring printer profiles .......................................... 11
- Changing a document’s color profile ............................... 12

2: **Creating Files**
- Calculating the correct file resolution .............................. 13
- Creating a new, blank document ★ .................................. 15
- Creating document presets .......................................... 16
- Editing 16-bit files in Photoshop ................................... 17
- Saving your document .............................................. 18
- Using the Status bar ★ ............................................... 21
- Ending a work session ............................................. 22

3: **Bridge**
- Launching Adobe Bridge ........................................... 23
- Downloading photos from a camera ................................ 24
- Features of the Bridge window ..................................... 26
- Choosing a workspace for Bridge ................................... 28
- Previewing images in Bridge ......................................... 30
- Opening files from Bridge into Photoshop ......................... 34
- Customizing the Bridge window .................................... 36
- Saving custom workspaces ........................................... 38
- Resetting the Bridge workspaces .................................. 38
- Assigning keywords to files ....................................... 38
- Rating and labeling thumbnails ..................................... 40
- Rearranging and sorting thumbnails ................................ 41
- Filtering thumbnails ................................................ 41
- Using thumbnail stacks ............................................. 42
- Managing files using Bridge .......................................... 43
- Searching for files .................................................. 45
- Creating and using collections ...................................... 46

Using Mini Bridge ★ ............................................... 48
Exporting Bridge .................................................. 50

4: **Camera Raw**
- Why use Camera Raw? ............................................. 51
- Opening photos into Camera Raw ................................... 54
- The Camera Raw tools ............................................. 56
- Cropping and straightening photos ................................ 57
- Choosing default workflow settings ................................ 58
- Using the Camera Raw tabs ★ ........................................ 59
- Using the Basic tab ★ ............................................... 61
- Using the Tone Curve tab .......................................... 66
- Using the Detail tab ................................................ 68
- Using the HSL/Grayscale tab ....................................... 70
- Using the Adjustment Brush tool ★ ................................ 72
- Using the Split Toning tab ......................................... 75
- Using the Effects tab ................................................ 76
- Using the Graduated Filter tool ★ ................................... 78
- Using the Spot Removal tool ....................................... 80
- Saving and applying Camera Raw settings ......................... 81
- Synchronizing Camera Raw settings ............................... 83
- Converting, opening, and saving Camera Raw files ............... 84

5: **Workspaces**
- Using the Application frame ....................................... 85
- Tiling multiple documents ★ ........................................ 88
- Changing the zoom level ★ .......................................... 89
- Rotating the canvas view ........................................... 91
- Changing the screen mode ★ ........................................ 92
- Choosing a workspace ★ ............................................ 92
- Configuring the panels ★ ............................................ 93
- Saving custom workspaces ★ ....................................... 96
- Resetting workspaces ★ ............................................ 97
- Using the Options bar ★ ............................................ 98

6: **Panels**
- The Photoshop panel icons ★ ...................................... 100
- The Photoshop panels that are used in this book ★ ............. 101
- Managing presets via the pickers and panels ....................... 116
- Exporting and importing presets ★ ................................ 118

🌟 New or improved Photoshop features are identified by red stars in this table of contents and throughout this book.
Using the Preset Manager ........................................ 119
Creating tool presets .............................................. 120

7: Pixel Basics
Changing the document resolution and/or dimensions ........................................ 121
Changing the canvas size ........................................... 126
Cropping an image ................................................. 127
Cropping multiple images ........................................ 130
Straightening a crooked image .................................. 133
Flipping or rotating an image ..................................... 134

8: Layer Essentials
Creating layers ...................................................... 136
Selecting layers .................................................... 139
Restacking layers .................................................. 140
Creating layer groups ............................................. 140
Deleting layers and groups ...................................... 142
Hiding and showing layers ........................................ 142
Repositioning layer content ...................................... 143
Changing the layer opacity ....................................... 144
Using the lock options ........................................... 144
Choosing Layers panel options ................................ 145
Filtering listings on the Layers panel ......................... 146
Merging layers ...................................................... 148
Flattening layers .................................................... 150

9: Selections & Masks
Creating layer-based selections ............................... 151
Using the Rectangular and Elliptical Marquee tools .... 152
Using two of the lasso tools ...................................... 153
Deselecting and reselecting selections ....................... 154
Deleting or filling a selection .................................... 154
Moving a selection border ....................................... 155
Moving selection contents ....................................... 155
Using the Quick Selection tool ................................. 156
Using the Magic Wand tool ...................................... 158
Inverting a selection ............................................... 159
Using the Color Range command ............................. 160
Hiding and showing the selection border .................... 162
Creating a frame-shaped selection ............................ 163
Saving and loading selections .................................. 164
Refining selection edges ........................................ 165

Using Quick Masks .................................................. 170
Creating layer masks .............................................. 171
Editing layer masks ............................................... 172
Working with layer masks ....................................... 175

10: History
Choosing History panel options ............................... 177
Changing history states ........................................... 179
Deleting, purging, and clearing history states .............. 180
Using snapshots .................................................... 181
Creating documents from history states ..................... 184

11: Using Color
Choosing colors in Photoshop ................................ 185
Using the Color Picker ............................................ 186
Choosing colors from a library .................................. 187
Using the Color panel ............................................ 188
Using the Swatches panel ........................................ 189
Using the Eyedropper tool ....................................... 190
Copying colors as hexadecimals ............................... 190
Choosing a blending mode ...................................... 191
Creating a Solid Color fill layer ................................. 193
Creating a Gradient fill layer .................................... 194
Creating and editing a gradient preset ......................... 196
Using the Gradient tool .......................................... 198
Creating custom and scripted patterns ....................... 199

12: Adjustments
Creating adjustment layers ..................................... 202
Editing adjustment layer settings ............................ 204
Saving adjustment presets ..................................... 206
Merging and deleting adjustment layers ..................... 206
Editing an adjustment layer mask ............................. 207
Using the Histogram panel ..................................... 208
Applying a Levels adjustment ................................ 210
Applying a Brightness/Contrast adjustment ................ 212
Applying a Photo Filter adjustment ........................... 213
Applying an auto correction .................................... 214
Applying a Color Balance adjustment ....................... 216
Applying a Hue/Saturation adjustment ....................... 218
Applying a Vibrance adjustment ............................... 219
Applying a Curves adjustment .................................. 222
Applying a Black & White adjustment ....................... 226
Tinting an image via a Gradient Map adjustment .......... 228
Applying the Shadows/Highlights command ........ 230
Dodging and burning with paint ..................... 233
Applying the Merge to HDR Pro command ★ ........ 234
Screening back a layer using Levels ★ .............. 238

13: Combining Images
Using the Clipboard ★ ............................. 239
Drag-copying a selection on the same layer ........... 243
Drag-copying a selection or layer between files
with the Move tool .................................. 244
Drag-copying layers between files via the
Layers panel ★ ...................................... 246
Creating a layered document from file
thumbnails ★ ......................................... 248
Creating Smart Objects ★ ............................ 248
Duplicating Smart Objects ............................... 252
Editing Smart Objects ................................ 253
Replacing Smart Objects ................................. 255
Combining multiple “exposures” ......................... 256
Fading the edge of a layer via a gradient in a
layer mask ........................................... 259
Aligning and distributing layers ......................... 261
Using the Clone Stamp tool and the Clone
Source panel ......................................... 262
Using the Photomerge command ★ .................... 264
Using the Auto-Align Layers command ............... 266
Using Smart Guides, ruler guides, and the grid ★ ... 268

14: Brushes
Using the Brush tool .................................. 271
Choosing temporary brush settings ★ .................. 272
Customizing a brush ★ ................................ 273
Managing brush presets ★ ................................ 277
Using the Mixer Brush tool ★ .......................... 278
Using the Eraser tool .................................. 282
Using the History Brush tool ............................ 283

15: Retouching
Using the Match Color command ...................... 286
Using the Replace Color command ..................... 288
Using the Color Replacement tool ..................... 290
Whitening teeth or eyes ★ ................................ 292
Using the Red Eye tool ................................. 293
Using the Healing Brush tool ........................... 294
Using the Spot Healing Brush tool ..................... 297
Healing areas with the Patch tool ........................ 298
Smoothing skin and other surfaces ...................... 299
Retouching by cloning .................................. 302
Applying a Content-Aware fill .......................... 305
Using the Content-Aware Move tool ★ ............... 306
Removing an image element with the
Patch tool ★ .......................................... 308

16: Refocusing
Applying the Lens Blur filter .......................... 309
Applying the Field Blur, Iris Blur, and
Tilt-Shift filters ★ ...................................... 312
Applying the Lens Correction filter ...................... 318
Applying the Motion Blur filter ........................ 320
Using the Sharpen tool ................................ 321
Applying the Smart Sharpen filter ....................... 322
Applying the Unsharp Mask filter ....................... 325

17: Fun with Layers
Using clipping masks .................................... 327
Blending layers ★ ...................................... 329
Applying transformations ★ ............................ 332
Applying Content-Aware scaling ....................... 334
Applying the Puppet Warp command ................. 336
Using the Liquify filter ★ ................................ 338
Applying the Warp command ........................... 340

18: Filters
Applying filters ★ ...................................... 341
Creating and editing Smart Filters ...................... 344
Hiding, copying, and deleting Smart Filters .......... 345
Working with the Smart Filter mask ..................... 346
More filter techniques ................................. 349
Turning a photo into a painting or a drawing ★ .......... 352

19: Type
Creating editable type ★ ................................ 356
Selecting type .......................................... 358
Recoloring type ........................................ 359
Changing the font family and font style ★ ............ 359
Converting type ....................................... 360
Changing the font size .................................. 360
Applying kerning and tracking ......................... 361
Adjusting the leading ................................... 362
Shifting type from the baseline ......................... 363
Inserting special characters .......... 363
Applying paragraph settings .......... 364
Formatting type with paragraph and character styles .... 365
Transforming the bounding box for paragraph type .... 366
Screening back type .... 367
Rasterizing a type layer .......... 368
Putting type in a spot color channel .......... 370

20: Layer Styles
Layer effect essentials ........ 371
Applying a bevel or emboss effect ........ 374
Applying a shadow effect ........ 376
Applying the Stroke effect ........ 378
Applying the Gradient and Pattern Overlay effects ........ 378
Copying, moving, and removing layer effects .......... 380
Changing the layer fill percentage ........ 381
Applying layer styles ........ 382
Creating layer styles ........ 383
Making type look like rusted metal ........ 384
Embossing leather ........ 386

21: Vector Shapes & Masks
Creating vector shapes ........ 387
Changing the fill and stroke on a vector shape ........ 389
Combining multiple vector shapes ........ 391
Creating vector masks ........ 392
Working with vector masks ........ 393

22: Actions
Recording an action ........ 395
Playing an action ........ 397
Editing an action ........ 401
Deleting commands and actions ........ 404
Saving and loading action sets ........ 404

23: Presentation
Creating a vignette ........ 405
Adding an artistic border ........ 408
Adding a watermark to an image ........ 410
Creating a Web Gallery ........ 412
Creating a contact sheet ........ 416
Creating a PDF presentation of images ........ 420
Creating and using layer comps ........ 422
Creating a PDF presentation of layer comps ........ 424
Importing video clips to Photoshop ........ 425
Adding video tracks to a timeline ........ 426
Changing the length, order, or speed of a clip ........ 427
Splitting a clip ........ 428
Adding transitions to video clips ........ 428
Adding still images to a video ........ 429
Adding title clips to a video ........ 430
Applying adjustment layers and filters to a video ........ 430
Keyframing ........ 431
Adding audio clips ........ 432
Rendering clips into a movie ........ 432

24: Preferences
Opening the Preferences dialogs ........ 433
General Preferences ........ 434
Interface Preferences ........ 436
File Handling Preferences ........ 437
Performance Preferences ........ 439
Cursors Preferences ........ 440
Transparency & Gamut Preferences ........ 440
Units & Rulers Preferences ........ 441
Guides, Grid & Slices Preferences ........ 442
Plug-ins Preferences ........ 442
Type Preferences ........ 443
Preferences for Adobe Bridge ........ 444

25: Print & Export
Proofing document colors onscreen ........ 448
Outputting a file to an inkjet printer ........ 450
Preparing a file for commercial printing ........ 457
Getting Photoshop files into Adobe InDesign and Illustrator ........ 458
Saving a file in the PDF format ........ 460
Saving a file in the TIFF format ........ 461
Saving multiple files in the JPEG, PSD, or TIFF format ........ 462
Saving files for the Web ........ 463
Previewing an optimized file ........ 464
Optimizing a file in the GIF format ........ 465
Optimizing a file in the JPEG format ........ 467

Index ........ 469
You may have already used a filter or two in Photoshop (perhaps as a step in an earlier chapter). In this chapter, filters are the star players. Depending on which filters you apply and which settings you choose, the results can range from a subtle change to a total morph. A–B You can make an image look (almost) as if it’s hand painted, silk-screened, or sketched; apply distortion; add a pattern, texture, or noise; create a mosaic or a patchwork of tiles—the creative possibilities are infinite. Once you start using the Filter Gallery, you’ll see … time will fly by.

Using this chapter, you will learn techniques for applying filters, including using the Filter Gallery and Smart Filters, and use filters to make a photo look like an oil painting or tinted drawing. (To locate tasks in which we use individual filters, see “Filter menu” in the index.)

Applying filters
You can apply filters to a whole layer or just to a selection on a layer. Most of the Photoshop filters are applied either via the Filter Gallery or via an individual dialog. A small handful of them, such as Clouds and Blur, are applied in one step simply by choosing the filter name from a submenu on the Filter menu. If you apply a filter to a Smart Object, it becomes an editable, removable Smart Filter (see pages 344–345).

If you try to select a filter and discover that it’s not available, the likely cause is that it’s incompatible with the current document color mode or bit depth. All the Photoshop filters are available for RGB files, most of the filters are available for Grayscale files, fewer are available for CMYK Color, Lab Color, and 16-bits-per-channel files, still fewer are available for 32-bits-per-channel files, and none are available for Bitmap and Indexed Color files.
Most of the Photoshop filters are housed conveniently under one roof in the Filter Gallery dialog. There you can preview dozens of filters and filter settings, show and hide each filter effect that you’ve already previewed, and change the sequence in which Photoshop applies them to your document.

To use the Filter Gallery:

1. Click an image layer; or for more flexibility, click a duplicate image layer or a Smart Object (see “To apply a Smart Filter” on page 344).
2. **Optional:** To limit the filter to a specific area of the image, create a selection.
3. The Foreground and/or Background colors are used by many filters (see the sidebar on this page), and you must choose those colors now, before opening the Filter Gallery.
5. To change the zoom level for the preview, click the Zoom Out button or Zoom In button in the lower-left corner of the dialog, or choose a preset zoom level from the menu. (If the preview is magnified, you can drag it in the window.)
6. Do either of the following:
   - In the middle pane of the dialog, click an arrow-head to expand any of the six filter categories, then click a filter thumbnail.
   - Choose a filter name from the menu below the Cancel button.
7. On the right side of the dialog, choose settings for the filter.
8. To edit the list of effects (bottom right portion of the dialog), do any of these optional steps:
   - To apply an additional filter effect, click the New Effect Layer button, click a filter thumbnail in any category, then choose settings. The effect may take a moment or two to process.
   - To replace one filter effect with another, click a filter effect name on the scroll list (don’t click the New Effect Layer button), then choose a replacement filter and settings.
   - To hide a filter effect, click the visibility icon next to the effect name (click again to redisplay).
   - To change the stacking position of a filter effect to produce a different result in the image, drag the effect name upward or downward on the list.
9. Click OK.

To remove a filter effect from the list, click it, then click the Delete Effect Layer button.

Filters that use the foreground and background colors

The filters listed below use the current Foreground and/or Background colors. Some filters, such as Charcoal, Graphic Pen, and Photocopy (in the Sketch category), look good in the default Photoshop colors of black and white, whereas others look better in color. But don’t just take our word for it—experiment and see for yourself.

- Artistic > Colored Pencil (Background color), Neon Glow (Foreground and Background colors)
- Distort > Diffuse Glow (Background color)
- Pixelate > Pointillize (Background color)
- Render > Clouds, Difference Clouds, Fibers (Foreground and Background colors)
- Sketch > Bas Relief, Chalk & Charcoal, Charcoal, Conté Crayon, Graphic Pen, Halftone Pattern, Note Paper, Photocopy, Plaster, Reticulation, Stamp, Torn Edges (Foreground and Background colors)
- Stylize > Tiles (Foreground or Background color)
- Texture > Stained Glass (Foreground color)

Reapplying the last filter quickly

- To reapply the last-used filter(s) using the same settings, choose Filter > [last filter name or Filter Gallery] (Ctrl-F/Cmd-F).
- To reopen either the last-used filter dialog or the Filter Gallery showing the last-used settings, press Ctrl-Alt-F/Cmd-Option-F.
The Filter Gallery dialog includes a preview area, filter categories (with thumbnails), settings for the currently selected filter effect, and a listing of the currently applied effects.

**Using the Preview in an Individual Filter Dialog**

Some Photoshop filters are applied via an individual dialog (not via the Filter Gallery). Of those individual dialogs, some have a preview window and some do not.

- For individual filter dialogs that contain a preview window, you can click the + button to zoom in or the – button to zoom out (we usually do the latter). Most of the individual dialogs also have a Preview check box.
- In some filter dialogs (such as Blur > Gaussian Blur and Motion Blur), if you click in the document window (square pointer), that area of the image will appear in the preview window. You can drag the image inside the preview window.
- To compare the image with and without the current filter effect, click and hold on the preview, then release.
Creating and editing Smart Filters

When you apply a filter to a Smart Object, it becomes what is called a Smart Filter. You can edit or remove a Smart Filter at any time, apply multiple filters to the same Smart Object, hide individual filters while keeping others visible, and move or copy filters from one Smart Object to another. You can also edit the filter mask (which is created automatically), change the stacking order of the filters, and edit the Smart Object itself. To learn about Smart Objects, see pages 248–255.

The file formats that support Photoshop layers — such as PSD, PDF, and TIFF — also support Smart Filters. Some third-party (non-Adobe) filters can also be applied as Smart Filters.

To apply a Smart Filter:

1. On the Layers panel, do either of the following:
   - Click an existing Smart Object.
   - Click an image layer, then choose Filter > Convert for Smart Filters (or right-click the layer and choose Convert to Smart Object). If an alert appears, click OK.
2. Optional: Create a selection to control which area of the image the filter affects. (The selection shape will appear in the filter mask once you apply a filter.)
3. Apply a filter. A Smart Filters listing, mask thumbnail, and filter listing will appear on the Layers panel. A (Note: Filter > Liquify and Filter > Vanishing Point can’t be applied as Smart Filters.)

The most significant advantage to using Smart Filters is that you can edit the filter settings at any time.

To edit the settings for a Smart Filter:

1. Do either of the following:
   - Double-click on or next to the Smart Filter name on the Layers panel.
   - Right-click the Smart Filter name and choose Edit Smart Filter from the context menu.
2. If any Smart Filters are listed above the one you’re editing, an alert will appear, indicating that those filter effects will be hidden until you exit the Filter Gallery or filter dialog. B Check Don’t Show Again to prevent the warning from appearing again (if desired), then click OK.
3. Make the desired changes in the filter dialog, then click OK.

CHANGING THE COLOR MODE OR BIT DEPTH

When changing the document color mode or bit depth, if the image contains Smart Filters that aren’t supported by the new mode or depth, an alert will appear (shown below). If you click Don’t Rasterize and then click Don’t Flatten or Don’t Merge, this symbol A will display next to the filter names on the Layers panel, signifying that the filter effect is inaccessible. If you then convert the file to a mode or depth that does support the filter (and respond to the alerts the same way), the icon will disappear and the filter settings will be editable again.
Not only can you change the blending mode and opacity of a Smart Object, you can also change the blending mode and Opacity setting of each Smart Filter that is applied to that object. Granted, this can be a lot to keep track of. And unfortunately, there is no indicator on the Layers panel to let you know if those settings have been changed from the defaults.

**To edit the blending options for a Smart Filter:**

1. Double-click the Blending Options icon next to a filter name on the Layers panel, A–B then click OK if an alert dialog appears.
2. The Blending Options dialog opens. C Check Preview and, if desired, lower the zoom level. Change the blending Mode and/or Opacity (use the latter to fade the filter effect), then click OK. D

**Hiding, copying, and deleting Smart Filters**

**To hide (or show) Smart Filter effects:**

Do either of the following:

- Click the visibility icon for the Smart Filters listing to hide all the Smart Filters on that layer.
- Click the visibility icon for any individual Smart Filter. This may take longer to process than clicking the visibility icon for all the filters.
- Click where the icon formerly was to redisplay the hidden filter effects.

**To copy Smart Filters from one Smart Object to another:**

1. Expand the list of Smart Filters for a Smart Object.
2. Alt-drag/Option-drag either the Smart Filters listing or an individual filter listing to another Smart Object.

- You can restack any Smart Filter within a Smart Object list (pause for the edit to process).
- If you drag a filter or the Smart Filters listing from one Smart Object to another without holding down Alt/Option, the filters will be removed from the source layer and added to the target layer. Any preexisting filters on the target layer will be preserved. Pause for the edit to process.
If you delete a Smart Filter from a Smart Object that contains multiple filters, it may take a moment or two for Photoshop to update the display.

To delete a Smart Filter:
Do either of the following:
Right-click a Smart Filter listing and choose Delete Smart Filter.
Drag a Smart Filter listing to the Delete Layer button.

Working with the Smart Filter mask
When you apply a filter to a Smart Object, a filter mask appears on the layer automatically. If you create a selection before applying the first filter to a Smart Object, the selection will appear as the white area in the mask. A filter mask can also be edited using the same methods as for a layer mask. For an illustration of how this works, see the next two pages.

To edit a filter mask:
1. Click the filter mask thumbnail.
2. Do either of the following:
   Click the Brush tool, then apply strokes with black to hide the filter effect, or with white to reveal areas you've hidden. For a partial mask, use black and lower the tool opacity (A–E, next page). To hide the filter effect gradually from one side of the image to the other, click the Gradient tool, then drag across the image (A–C, page 348).
   ➤ To display the filter mask by itself in the document, Alt-click/Option-click the mask; repeat to redisplay the full Smart Object.
   ➤ To soften the transition between black and white areas in a filter mask, click the filter mask thumbnail, then on the Properties panel, adjust the Feather value. To control the overall opacity of the mask, use the Density slider.

If for some reason a filter mask was deleted and you want to restore it, do as follows.

To create a filter mask:
1. Optional: Create a selection.
2. Right-click the Smart Filters listing on the Layers panel and choose Add Filter Mask.

To deactivate a filter mask temporarily:
Shift-click the mask thumbnail (a red X appears over the thumbnail). Repeat to reactivate the mask.

To delete a filter mask:
Do either of the following:
Drag the filter mask thumbnail to the Delete Layer button on the Layers panel.
Click the filter mask thumbnail, then on the Properties panel, click the Delete Mask button.

DIMINISHING A FILTER EFFECT
To reduce the effect of a Smart Filter, lower its opacity via the Blending Options dialog. Or if you applied the filter to a duplicate image layer (not to a Smart Object), lower the opacity of the upper layer.

SOLVING MEMORY PROBLEMS
If you encounter memory problems when applying filters (Photoshop memory, that is, not your own forgetfulness!), try choosing Edit > Purge > All to free up memory, or exit/quit other open applications. Also bear in mind that the processing time may vary for any given filter slider or option. For instance, a higher setting that produces many small shapes may take longer to process than a setting that produces just a few large shapes.
WORKING WITH SMART FILTERS: AN EXAMPLE

A This is the original image.

B We duplicated the Background, converted the copy to a Smart Object, pressed D to reset the default Foreground and Background colors, then applied Filter Gallery > Sketch > Charcoal (values at left).

C We reduced the Opacity of the Smart Object to 62%.

D We clicked the filter mask, then with the Brush tool at 50% Opacity and black as the Foreground color, applied strokes to partially restore the tiger’s face to its virgin state.

E This is the Layers panel for the image shown at left.

Continued on the following page
A Next, to wipe the filter mask clean so we could try a different approach, we clicked the mask thumbnail, pressed Ctrl-A/Cmd-A to select the whole mask, pressed Backspace/Delete, then pressed Ctrl-D/Cmd-D to deselect.

B With the Gradient tool (100% Opacity, "Black, White" preset, radial type), we dragged from the center of the image outward. The filter effect is at full strength where the mask is white, and it fades to nil where the mask is black.

C The gradient in the filter mask is diminishing the impact of the filter in the center of the image — the tiger’s face — right where we want the focal point to be.
More filter techniques

If you apply filters to a Smart Object, you can easily change the settings — and will feel more free to experiment. If you come up with a filter formula that you like, record your steps in an action. Here are a few more suggestions:

➤ Filters tend to make an image more abstract, reducing recognizable elements to line work, or to fewer or flatter areas of color. Start with an image that has a strong composition. Look for shapes that contrast in scale and have interesting contours, which will carry more weight once you apply filters.

➤ Use an adjustment layer above the filtered layer to fine-tune the resulting luminosity levels or colors.\text{A–D}

➤ Apply filters separately to a Smart Object one by one, then via the Blending Options dialog, lower the opacity of the topmost filter and/or change its blending mode. You can also apply filters to separate layers, then change the layer opacity or blending mode of any layer \text{(A–E, next page)}.

➤ For less predictable and “machine made” results, apply two or more filters that have contrasting or complementary effects. For instance, you could apply one filter that reduces shapes to line work (such as Poster Edges) and another filter that changes the color or applies an overall texture, such as Grain > Texturizer.

➤ For a personal touch, apply some paint strokes \text{(A–C, page 351)}.
Chapter 19

FILTERS, AN ADJUSTMENT LAYER, AND BLENDING MODES

A We converted a duplicate of the Background to a Smart Object.

B We applied Filter > Other > Minimum (Radius 1), then Filter > Stylize > Find Edges.

C We changed the blending mode of the Smart Object to Linear Burn.

D We created a second duplicate of the Background, moved the duplicate to the top of the Layers panel, changed the blending mode of that layer to Divide, and lowered its Opacity to 50%. Finally, we used a Vibrance adjustment to boost the colors slightly.

E This is the final image.
A texture filter and paint strokes

A This is the original image.

B This is the Layers panel for the final image.

C This is the image after we converted a duplicate image layer to a Smart Object, applied the Texturizer filter (Burlap texture) via the Filter Gallery, and used the Mixer Brush tool (Sample All Layers checked) to apply paint strokes to six new layers. We also applied the Drop Shadow effect to a couple of the paint layers for added depth, and a Levels adjustment to heighten the contrast in the underlying image.
Turning a photo into a painting or a drawing

The Oil Paint filter turns a photo into a quasi oil painting. You can't vary the size or direction of the brush strokes in different parts of the image, but it does produce some rich textural effects—and it's a fun filter to play with. Note: For this filter to work, Use Graphics Processor must be checked in Preferences > Performance.

To turn a photo into an oil painting: ★

1. Duplicate an image layer in an RGB image, then right-click the duplicate and choose Convert to Smart Object. Keep the Smart Object selected.

2. Choose Filter > Oil Paint. In the Oil Paint dialog, zoom in on the preview so you'll be able to examine the shape of the brush strokes.

3. Under Brush and Lighting, adjust the sliders:
   - **Stylization** controls the smoothness of the strokes.
   - **Cleanliness** controls the purity of (amount of color variegation in) the colors.
   - **Scale** controls the width of the strokes.
   - **Bristle Detail** controls the visibility of bristle marks in the paint strokes.
   - **Angular Direction** controls the position of the highlights on the paint surface.
   - **Shine** controls the intensity of highlight reflections on the paint surface. This slider has a strong impact.

4. Click OK (and A–D, next page).
THE OIL PAINT FILTER PLUS THE PALETTE KNIFE FILTER AND ADJUSTMENTS

A In this image, we converted a duplicate of the Background to a Smart Object.

B To the Smart Object, we applied the Palette Knife filter (Filter Gallery), then the Oil Paint filter (settings shown above).

C We lowered the Opacity of the Smart Object to 66%, then used a Levels adjustment layer to boost the contrast and a Vibrance adjustment layer to boost the color intensity slightly.

D The Palette Knife filter contributes an irregular texture to the Oil Paint effect.
In these steps, you’ll turn a photo into a watercolor by applying a series of filters. Try devising some of your own formulas, too!

**To turn a photo into a tinted drawing:**

1. Duplicate an image layer in a high-resolution photo.\(A\)
2. Choose Filter > Stylize > Find Edges.\(B\)
3. Choose the Brush tool. Choose a large, Soft Round brush, Normal mode, and an Opacity below 50% on the Options bar. Also make the Foreground color black.
4. Click the Add Layer Mask button on the Layers panel, then with the layer mask thumbnail selected, apply strokes to the image to reveal areas of the underlying layer.
5. Do any of the following optional steps:
   - Lower the Opacity of the duplicate layer.
   - Change the blending mode of the duplicate layer (try Lighter Color, Color Dodge, Hard Light, Pin Light, or Luminosity).\(C–D\)
   - Intensify the contrast via a Levels adjustment layer.

\(A\) We duplicated the Background in this original image.

\(B\) We applied the Find Edges filter to the duplicate layer.

\(C\) This is the Layers panel for the final image, which is shown at right.

\(D\) We applied brush strokes to the layer mask to reveal some of the underlying image, and chose Hard Light as the blending mode for the duplicate layer.
Unless noted otherwise, the listings in this index pertain to Photoshop.

A
Action Options dialog, 396
Actions
command insertion, 402
calendar modal controls, 403
command settings, changing, 404
definition, 104, 395
deleting, 404
droplets for, 400
duplicating, 401
edition insertion, 402
edition, 401–404
excluding command from playback, 397
menu item insertion, 402
modal controls, 403
playback options, 397
playing on batch of images, 398–399
playing on one image, 397
recording, 395–396
renaming, 401
rerecording, 403
ruler units in, 396
sets, 404
Stops, inserting, 401
use suggestions, 399
Adjustment Brush tool (Camera Raw)
accessing, 72
Auto Mask option, 74
definition, 56
edits, removing, 74
local edits with, 72–74
Adjustment layer presets
choosing, 202
deleting, 206
saving, 206
Adjustment layers
applying to video clips or tracks, 430
Black & White, 226–228, 349
Brightness/Contrast, 212
cropping, 205
Color Balance, 216–217, 317
creating, 114, 202–203
Curves, 215, 222–225
definition, 112
deleting, 206
depiction, 114
effects, hiding, 204
Gradient Map, 228–229
Hue/Saturation, 218
identifying, 203
Levels, 210–211, 238
mask, editing, 207
merging, 148, 206
new edits, viewing images without, 204
options on Properties panel, 114
Photo Filter, 213
settings, editing, 204
settings, restoring, 204
uncropping, 430
Vibrance, 219–221
Adjustments panel
Auto-Select Parameter option, 205
Black & White button, 226
Brightness/Contrast button, 212, 406
bones, 105, 202
Color Balance button, 216
Curves button, 215, 222
Gradient Map button, 228
Hue/Saturation button, 218, 292
illustrated, 105
Levels button, 210, 215, 238, 367
Photo Filter button, 213
Reset to Adjustment Defaults button, 204
Vibrance button, 219, 220, 221
View Previous State button, 204
Adobe Bridge. See Bridge
Adobe Illustrator. See Illustrator, Adobe
Adobe InDesign. See InDesign, Adobe
Adobe RGB color space, 5–6
Advanced preferences (Bridge), 446
Airbrush tips, 276
Alert dialogs
resetting all, 435
upon opening a file, 35
Aligning
edges, for shape tools, 388
layers, with Auto-Align Layers command, 266–267
layers, with one another, 261
with Smart Guides, 143
type, 364
vector shapes, 391
Alpha channels
depiction, 164
layers while recording actions, 396
loading as selection, 164
saving selections as, 164
thumbnails, 317
ANPA colors, 187
Anti-aliasing
selection tools and, 159
type tools and, 356
Application frame
defined, 85
docking document windows into, 87
illustrated, 85, 86
Mac OS, 86
minimizing, 86
redocking floating panels into, 95
Art History tool, 102
Artistic borders, 408–409
Assign Profile dialog, 12
Audio clips, 432
Auto-Align Layers dialog, 266–267
Auto-Select Parameter option, 205
Background
converting layer to, 138
converting to layer, 138
deleting selection from, 154
document, choosing for new, 15
duplicating, 280, 423
filling selection on, 154
moving upward on list, 140
shade around canvas area, 92
Background color
  choosing, 185, 186, 189
  filters using, 342
Background Eraser tool, 102
Baseline shift, 363
Basic blending modes, 191
Basic tab (Camera Raw)
  Clipping Warning buttons, 62
  color saturation adjustments, 65
  contrast adjustments, 62–64
  defined, 61
  dual exposure, 256–257
  edge contrast adjustments, 65
  exposure adjustments, 62–64
  illustrated, 59
  sliders, updating, 60
  using, 61–65
  white balance adjustments, 61
Batch dialog, 397–398
Batch Rename dialog (Bridge), 44
Bevel effect, 374–375
Bit depth
  changing, 344
  Photoshop channels and, 2
Bitmap images, 2
Bitmap mode, 4
Black & White adjustment layer
  filters and, 349
  grayscale conversion via, 226–228
  Targeted Adjustment tool, 226
  tints, 226, 228
Blemishes, removing, 297
Blemishes, removing (Camera Raw), 80
Blending layers
  blending modes for, 191–192
  Blending Options, 330–331
  modified with original one, 329
Blending modes
  brush, 271
  categories, 191
  choosing, 191–192, 329
  cycling through, 192
  list of, 191
Blending Options,
  for layers, 330–331
  for Smart Filters, 345
Blur filters
  Field Blur filter, 312, 313, 317
  Gaussian Blur filter, 300–301
  Iris Blur filter, 312, 314, 317
  Lens Blur filter, 309–311
  Motion Blur filter, 320–321
  Surface Blur filter, 299
  Tilt-Shift filter, 312, 315, 317
Blur Gallery filters
  Field Blur filter, 312, 313, 317
  Iris Blur filter, 312, 314, 317
  Tilt-Shift filter, 312, 315, 317
Blur masks, 312
Blur tool, 102
Bokeh options in Blur Gallery, 312, 316
Bridge
  cache, exporting, 50
  collections, 46–47
  Content panel, 26, 30, 36, 37
  Favorites panel, 26, 30, 45
  file management, 43–44
  file searches, 45
  Filter panel, 26, 41
  Folders panel, 26, 30
  image previews in, 30–33
  keywords, 38–39, 446
  Keywords panel, 26, 38–39
  launching, 23
  loupe,
    preference setting for, 444
    using, 32
  metadata display, 37
  Metadata panel, 26, 39
  Metadata placard, 30
  Mini Bridge, 48–49
  navigation controls, 30
  opening files from into Photoshop, 34–35
  Options for Thumbnail Quality and
    Preview Generation menu, 31
  Output panel, 412, 415, 416, 418–419
  Preview Generation menu, 31
  Preferences, 444–446
  Preview panel, 26, 30
  previews, 30–33
  Refine menu, 33
  Review mode, 33
  thumbnails, 30, 31, 32, 36, 40–43
  uses, 23
  View Content buttons, 37
  Web Gallery upload via, 416
window customization, 36–37
window features, 26–27
window illustration, 27
workspaces
  choosing, 28–29
  resetting, 38
  saving, 38
Brightness/Contrast adjustments, 212
Bristle brushes
  building, 278
  paint options, 279
  wiping clean, 279
Brush panel
  Airbrush tips, 276
  Angle option, 273
  Brush Pose option, 278
  Brush Projection option, 274
  Brush Tip Shape option, 273, 275, 276
  Color Dynamics option, 274
  Create New Brush button, 275
  customizing brushes via, 273–275
  Erodible Point tips, 275–276
  Hardness option, 273
  illustrated, 105, 273
  Live Tip Brush Preview button, 275
  New Brush button, 116
  quick access to, 277
  Roundness option, 273
  Scattering options, 274
  Shape Dynamics option, 274
  Size option, 273
  Spacing option, 274
  Texture option, 275
  Transfer option, 275
uses, 105
Brush Preset picker, 271, 272, 290–291
Brush presets
  deleting, 277
  exporting/importing, 118
  loading, 277
  managing, 277
  names, viewing, 281
  resetting, 277
  settings, 277
Brush Presets panel
  defined, 106
  illustrated, 106
  Live Tip Brush Preview button, 275
  Open Preset Manager button, 119
  quick access to, 277
  saving brushes from, 117
  using, 277
Brush strokes, recording in actions, 396

Brush tool
Airbrush tip, 276
applying Quick Mask with, 171
burning areas with, 233
defined, 101
dodging areas with, 233
editing filter mask with, 346, 347
editing layer masks with, 173, 260, 354
editing Quick Mask with, 170
Erodible tip, 275–276
Options bar, 170, 173, 207, 233, 271–272
using, 271–272

Brushes
blending modes and, 271
bristle, 278–279
customizing, 116, 273–276
diameter, 258, 290, 320
flow rate, 271
hardness, 272
opacity, 271, 272
saving, 117, 271, 272
size, changing, 272, 273
temporary settings, 272
tips, 273–276

Burn tool, 102
Burning, 233

Cache (Bridge), 50
Cache preferences (Bridge), 446
Calibration, display, 7
Calibrators, 7

Camera Raw
Adjustment Brush tool, 56, 72–74
advantages to using, 51–52
Basic tab, 59, 60, 61–65
Crop tool, 56, 57
default settings, restoring, 59–60
Detail tab, 58–59
editing Smart Objects in, 254, 256–257
Effects tab, 76–77
Graduated Filter tool, 56, 78–79
HDR file processing in, 237
host selection for, 54
HSL/Grayscale tab, 59, 70–71
multiple files open in, 83
noise reduction, 68
opening files from, as Smart Objects, 249
opening photos into, 54–55
presets, applying, 81
presets, saving, 81
previews, 52, 56
Red Eye Removal tool, 56
scrubby-sliders, 59
settings, applying to multiple photos, 82
settings, removing, 82
settings, restoring, 59–60
settings, saving as preset, 81
settings, synchronizing, 83
Settings menu, 60, 81
sharpening, 52, 68
Snapshots, 81
Split Toning tab, 75
Spot Removal tool, 56, 80
Straighten tool, 56, 57
Targeted Adjustment tool, 66, 71
toggling preview in, 59
tonal redistribution, 52
Tone Curve tab, 59, 66–67
tools, 56
updating, 53
white balance, 60–61
White Balance tool, 56
workflow settings, 58
zoom methods, 56

Cameras
Adobe RGB color space, 5–6
capturing tonal values (Camera Raw), 52
downloading photos (Bridge), 24–25

Canvas
area, enlarging with Crop tool, 132
pixels outside of, 241
size, changing, 126
view, rotating, 91

Canvas Size dialog, 126

Channels
alpha, 164, 170, 317, 396
Curves adjustment layer, 224
default number, 2, 3
defined, 2
document color mode and, 3
spot color, 370

Channels panel
document color modes and, 3
illustrated, 106
Load Channel as Selection button, 164
New Spot Channel command, 370
Save Selection as Channel button, 164
uses, 106

Character panel
Baseline Shift controls, 363
Color swatch, 359
displaying, 107
East Asian Features, 357
Font Family, Font Style menus, 359
Font Size menu, 360
illustrated, 107, 355
Kerning controls, 361
Leading controls, 362
Middle Eastern Features, 357
OpenType buttons, 363
Options bar, 359
resetting, 361
showing, 359
Tracking controls, 361

Character Styles panel
illustrated, 107
New Character Style button, 365
Refine Style command, 365
uses, 107

Charcoal filter, 342

Clipboard
New dialog and, 16
Paste commands, 240, 242
purging, 240
using, 239–242

Clipping
adjustments, 205
high-contrast display of, 210–211, 222

Clipping masks
creating, 327–328
releasing, 328
releasing layers from, 328
using, 327–328

Clone Source panel
illustrated, 108
multiple source documents, 262
source overlay transformations, 263
uses, 108
using, 262, 303

Clone Stamp tool
defined, 101
Options bar, 302–303
using, 262–263, 302–303

Cloning, retouching by, 302–303

CMYK Color mode
color channels, 3
conversion, 3, 4, 457
defined, 3, 4
output, final corrections in, 457
soft-proofing, 449

**CMYK model**
- in color selection, 186
- defined, 2

**Collections (Bridge)**
- adding thumbnails to, 47
- contents, displaying, 46
- creating, 46–47
- deleting, 46
- naming, 45, 46
- relinking missing files to, 47
- removing thumbnails from, 47
- from search results, 45
- Smart, creating, 46
- Smart, editing, 46

**Collections panel (Bridge)**
- in creating collections, 46–47
- defined, 26

**Color Balance adjustment**, 216–217, 317

**Color corrections**
- auto, 214–215
- Color Balance adjustment, 216–217
- Curves adjustment, 224–225
- display calibration and, 201
- Hue/Saturation adjustment, 218–219
- Match Color command, 268–267
- Photo Filter adjustment, 213
- Vibrance adjustment, 219–221

**Color Libraries dialog**, 185, 187

**Color management**
- benefits of using, 5
- Color Handling menu, 452, 453
- color modes and, 3–4
- introduction to, 5
- Output options, 454
- Photoshop, benefits of, 453
- policies, customizing, 10
- settings, 452
- turning off for printer, 455–456

**Color modes, document**
- Bitmap, 4
- channels and, 3
- CMYK Color, 3, 4, 201, 457
- conversions, 3
- Grayscale, 4
- Indexed Color, 4
- Lab Color, 4
- RGB Color, 3, 4, 201, 447
- and Smart Filters, 344

**Color noise reduction** (Camera Raw), 68–69

**Color panel**
- choosing colors with, 185
- illustrated, 108
- out-of-gamut alert, 188

**Color Picker**
- choosing colors with, 185
- HUD, 186
- opening, 108
- out-of-gamut alert, 188

**Color profiles**
- assigning, 35
- changing, 12
- converting, 12
- defined, 5
- listing for documents, 21
- mismatch, 10, 35
- missing, 10, 35
- removing, 12
- using for soft proof, 448–449

**Color Range command**
- accessing, 160
- creating selections via, 160–161
- Localized Color Clusters option, 162
- Skin Tones option, 161

**Color Reduction algorithms**, 465

**Color Replacement tool**
- defined, 101
- Options bar, 290, 293
- using, 290–291

**Color Sampler tool** (Camera Raw), 56

**Color settings**
- installing, 11
- options, choosing, 8
- preset, choosing, 8
- saving, 11
- synchronizing, 9

**Color Settings dialog**
- accessing, 8, 10, 11
- in color policy customization, 10
- color space selection in, 8
- illustrated, 10
- saving color settings in, 11
- Settings menu, 457
- Working Spaces area, 457

**Color spaces**
- Adobe RGB, 5–6, 8
- choosing, 8
- defined, 5
- Monitor RGB, 8
- ProPhoto RGB, 8
- setting, 6
- sRGB, 8

**Color Universal Design guidelines**, 195

**Color-blind viewer design**, 195

**Color(s)**
- Background, defined, 185
- blending modes, 191–192
- as building blocks, 2
- choosing, 185–186
- choosing from color libraries, 187
- choosing from Swatches panel, 189
- choosing with Color Picker, 185, 186–187
- copying as hexadecimals, 190
- desaturating, 220, 221
- display consistency, 5, 7
- document-specific, 10
- fill layers, 193
- filtering layers via, 146–147
- Foreground, 185, 186
- layers, assigning to, 145
- picking up from images, 190
- process, 186–187
- profiles, 5, 10, 12
- proofing, 448–449
- rendering intents, 449, 452
- replacing, 288–289
- restoring, selectively, 221
- sampling with Eyedropper tool, 190
- selection via, 158–162
- spot, 186, 187, 370
- type, 359, 370
- vector shape, 389

**Commands (action)**
- adding, 402
- adding modal controls to, 403
- deleting, 404
- duplicating within/between actions, 402
- settings, changing, 404

**Commercial printing**
- file preparation for, 449, 457
- workflow for, 457

**Comparative blending modes**, 191

**Component blending modes**, 191

**Contact Sheet II dialog**, 416–417

**Contact sheets**
- Contact Sheet II command, 416–417
- defined, 416
- PDF, via Bridge, 418–419
Content panel (Bridge)  
compact window display, 36  
defined, 26  
in folder display, 30  
metadata display in, 37  
search results, 45  
thumbnail selection in, 30–31

Content-Aware fill, 305
Content-Aware healing, 297, 304
Content-Aware Move tool  
defined, 101  
moving/reshaping with, 306–307  
Options bar, 306
Content-Aware patching, 308
Content-Aware Scale command, 334–335
Context menus  
Layers panel, 141  
using, 100
Contrast  
auto adjustment, 215  
Brightness/Contrast adjustment, 212  
Curves adjustment, 222–223  
Levels adjustment, 210–211, 238  
midtones, 232  
Shadows/Highlights adjustment, 230–232
Contrast adjustments (Camera Raw)  
adjustments 62–64  
edge, 65
Contrast blending modes, 191
Convert to Profile dialog, 12
Converting  
color profiles, 12  
layer to Background, 138  
layer to grayscale, 226–228  
layers to Smart Objects, 248  
RGB files to CMYK, 457  
type, paragraph to point/point to paragraph, 360  
vector shapes to pixels, 390
Copying  
action commands, 402  
imagery to new layer, 241  
layer effects, 380  
layer masks, 176  
layer settings, 241  
layer styles, 383  
layers, 149, 244–247  
pasting, 240, 242  
selection borders, 155  
selections, 240, 243–245  
Smart Filters, 345  
stroke and fill attributes on shapes, 389–390  
vector masks, 393  
Create Custom Shape dialog, 388  
Creative Suite applications, synchronizing color settings in, 9
Crop box  
cropping to, 130  
editing with Crop tool, 129  
repositioning images within, 128  
resetting, 128  
resizing, 127, 130  
selection in defining, 131
Crop tool  
Camera Raw, 56  
crop box reset, 128  
cropping image, 127  
cropping multiple images, 130–132  
cropping to aspect ratio, 130  
cropping to crop box, 130  
cropping to size and resolution, 130  
defined, 101  
enlarging canvas area, 132  
overlay options, 128  
preview options, 128  
recording use of, 399  
shield options, 128  
sticky settings, 131  
straightening images with, 133
Cropping  
to aspect ratio, 130  
with Crop and Straighten Photos command, 134  
to crop box, 130  
manually, 127  
nondestructive, 128  
to specific size and resolution, 130  
trim areas, 132
.cnf files, 11
Cursors preferences, 101, 297, 440
Curves adjustment layer  
applying, 222–225  
color correction with, 224  
in darkening midtones, 204  
options, 222–223  
Targeted Adjustment tool, 222, 224  
tonal adjustments with, 222–223  
See also Adjustment layers
Curves Display Options dialog, 222
Custom Shape tool  
adding watermarks with, 410  
creating vector masks with, 392  
creating vector shapes with, 387–388  
defined, 102
Customize Proof Condition dialog, 448
Cut paper type, 368
D
Darken blending modes, 191, 301
Define Custom Shape command, 388
Delete Workspace dialog, 97
Desaturation, 220–221
Detail tab (Camera Raw)  
color noise reduction in, 68–69  
illustrated, 59  
luminance reduction in, 68–69  
sharpening in, 68
DIC Color Guide, 187
Diffuse Glow filter, 349
Digimarc, 411
Dimensions  
document, 121–125  
pixel, changing, 124  
selection, 152  
Web, 13, 16
Direct Selection tool, 102
Displays, calibrating, 7, 201
Distortion  
layer, 332–333  
Liquify, 338–339  
Puppet Warp, 336–337  
tools, 338  
Warp, 340  
See also Transformations
Distributing layers, 261
Dither in GIF optimization, 465
DNG files (Camera Raw), 84
Docks, panel  
collapsing, 94  
creating, 95  
hidden, displaying, 93  
reconfiguring, 94–95
Document windows  
context menus in, 100  
displaying one image in two, 88  
docking, 87  
floating, 87  
multiple, scrolling in, 91  
multiple, zooming in, 91  
repositioning images in, 90  
resizing, 88
selecting layers or layer groups, 246
status bar, 21
tiling, 88

Documents
blank, creating, 15–16
closing, 22
creating from history states, 184
creating from layers, 246
creating from thumbnails, 248
data, 21
dimensions, changing, 121–125
dragging files into, as Smart Objects, 250–251
flattened, 150
opening as tabs, 87
presets, creating, 16
resolution, 121–125
reverting to last version, 18
saving, 18–20
size, listing, 21

Dodge tool, 102
Dodging, 233

Downloading photos (Bridge), 24–25
Drag-copying selections, 243, 244

Drawing
shapes for vector masks, 392
vector shapes, 387–388, 391

Drawings, transforming photos into, 352–354
Drop Shadow layer effect
applying, 376–377
on brush strokes, 351
in rusted metal type, 384
transforming, 377

Droplets for actions, 400
Duplicate Layer dialog, 246

Duplicating
actions, 401
Background, 280, 423
layer comps, 422
layers and layer groups, 137
Smart Objects, 252

See also Copying

E

Edit menu
Assign Profile command, 12
Auto-Align Layers command, 266–267
Clear command, 154, 242
Color Settings command, 8, 10, 11, 289, 449, 457
Content-Aware Scale command, 334, 335
Convert to Profile command, 12
Copy command, 240, 242
Copy Merged command, 240, 242
Cut command, 154, 240
Define Custom Shape command, 116, 410
Define Pattern command, 116, 199
Fill command, 117, 199, 207, 305, 319
Free Transform command, 332, 333
Free Transform Path command, 332
Menus command, 96
New command, 242
Paste command, 240, 390
Paste Special command, 240, 242
Presets command, 118, 119
Puppet Warp command, 336–337
Purge command, 180, 240
Transform submenu
Distort command, 368, 377
Flip commands, 134
Perspective command, 368
Rotate commands, 134
Warp command, 340, 363

Edit menu (Bridge)
Creative Suite Color Settings command, 9
Develop Settings command, 82
Find command, 46

Edit Smart Collection dialog, 46

Editable type layers
creating, 356–357
defined, 112
fading, 362
merging, 148
rasterizing, 368
recoloring, 359
thumbnail icon, 357
See also Type

Effects tab (Camera Raw)
grain texture application, 76
vignette application, 77

Elliptical Marquee tool
in creating selections, 152
in creating vignettes, 405, 406
defined, 101
in deselection, 154
fixed ratio/dimensions selection, 152
in frame-shaped selections, 163
Options bar, 152, 405, 406

Embedded Profile Mismatch alert, 35
Emboss layer effect, 374–375
Embossed leather type, 386

Eraser tool
defined, 102
using, 282

Erodlible Point tips, 275–276

Essentials workspace (Bridge), 28, 29
Every-Line Composer, 364

Export/Import Presets dialog, 118

Exporting
Bridge cache, 50
preset libraries, 118

Exposure correction (Camera Raw)
adjustments, 62–64
Basic tab, 256, 257

Exposures, combining, 256–258

Eyedropper tool
defined, 101
sampling colors with, 190

Eyes, whitening, 292

F

Favorites panel (Bridge), 26, 30

Field Blur filter
applying, 312
mask, using, 317
pins, 313, 316
selections with, 313
using, 313

File formats
layer support, 344
Photoshop feature preservation, 18
in saving files, 18–20, 460–463
Web, 463, 465–468

File Handling & Clipboard Preferences (Illustrator), 250

File Handling preferences, 437–438
File Compatibility, 437–438
File List, 438
File Saving Options, 437
illustrated, 438

File menu
Automate submenu
Contact Sheet II command, 416
Create Droplet command, 400
Crop and Straighten Photos command, 134
Browse in Bridge command, 9
Close command, 22
Exit command, 22
New command, 15, 16
New Dialog command, 136
Open as Smart Object command, 249
Open command, 458
Open command (Bridge), 34
Open Recent File command (Bridge), 34
Place command, 251, 458, 459
Print command, 450
Revert command, 18, 179
Save As command, 12, 18, 20, 150, 457, 459
Save command, 18
Save command (Camera Raw), 84
Save for Web command, 464, 465, 467
Scripts submenu, 381

File menu (Bridge)
New Window command, 28
Open Recent command, 34

File Type Associations preferences (Bridge), 446

Files
commercial printing, 457
dragging into documents as Smart Objects, 250–251
getting into Illustrator, 458–459
getting into InDesign, 458, 459
importing multiple as Photoshop layers, 248
opening as Smart Object, 249
opening from Camera Raw as Smart Object, 249
optimized, 464–468
pasting into Photoshop as Smart Objects, 250–251
placing into Photoshop as Smart Objects, 250–251
resampling, 121
resolution, calculating, 13–14
resolution, changing, 121–125
saving for the Web, 463
saving in PDF format, 460
16-bit, 32-bit, 17
size, 20
versions, saving, 20
video, 426
ZIP, 462

Files (Bridge)
assigning keywords to, 38–39
batch-renaming, 44
cache, 50
copying, 43
deleting, 43
managing, 38–39
moving, 43
opening, 34–35
opening from Mini Bridge, 49
previewing, 48
renaming, 43
reopening, 34
searching, 45
searching via Mini Bridge, 49
Files (Camera Raw)
advantages to using, 51–53
copy, opening, 84
JPEG files versus, 51, 53
opening into Photoshop, 84
previewing, 52
saving, 84
TIFF files versus, 51, 53

Fill dialog, 199, 305
Fill layers
blending mode, 193–195
color, changing, 193
defined, 112
Gradient, 194
opacity, 193–195
Pattern, 195
Solid Color, 193

Filmstrip workspace (Bridge), 28

Filter Gallery
accessing, 342, 344
Delete Effect Layer button, 342
dialog illustration, 343
New Effect Layer button, 342
previews, hiding/showing, 342
using, 342–343

Filter masks
creating, 346
deactivating, 346
deleting, 346
defining, 346–348
gradients, 348
wiping clean, 348

Filter menu
Blur submenu
Field Blur filter, 312
Gaussian Blur filter, 300
Iris Blur filter, 312
Lens Blur filter, 310
Motion Blur filter, 320
Surface Blur filter, 299
Tilt-Shift filter, 312
Brush Strokes submenu, 385
Convert for Smart Filters command, 344

Filter Gallery, 342–343
Lens Correction filter, 318, 407
Liquify filter, 338
Oil Paint filter, 352–353
Other submenu, Minimum filter, 350
Sharpen submenu
Smart Sharpen filter, 322
Unsharp Mask filter, 325
Stylize submenu, Find Edges filter, 350, 354

Filter panel (Bridge)
defined, 26
filtering thumbnail display, 41

Filters
adjustment layers and, 349–350, 353
applying, 341–343
applying as Smart Filter, 344
applying via Filter Gallery, 342–343
blending modes and, 350
brush strokes and, 351
effects, hiding, 342
effects, stacking position, 342
Field Blur, 312, 313, 317
Find Edges, 350
Foreground/Background colors, 342
Gaussian Blur, 300–301
Iris Blur, 312, 314, 317
last used, reopening, 342
Lens Blur, 309–311
Lens Correction, 133, 318–319, 407
Liquify, 297, 338–339
memory problems and, 346
Minimum, 350
Motion Blur, 320–321
Oil Paint, 352–353
Palette Knife, 353
preview feature, 343
reapplying, 342
Smart Sharpen, 322–324
Spatter, 385
Surface Blur, 299
Texturizer, 351
Tilt-Shift, 312, 315, 317
tips for using, 346
unavailable, 341
video clip application to, 431

Find dialog (Bridge), 45
Find Edges filter, 350
Flattening
layer effects, 381
layers, 150

Flipping
clone source overlay, 263
layers, 134

FOCOLTONE colors, 187

Folders (Bridge)
adding to Favorites panel, 30
copying, 43
creating, 43
deleting, 43
moving, 43
navigating to, 30
renaming, 43
Folders panel (Bridge), 26, 30

Fonts
family, changing, 359
missing fonts alert, 35
size, changing, 360
style, changing, 359
vector outlines, 357

Foreground color
choosing, 185, 186–190
filters that use, 342

Full Screen Mode, 92

G
Gaussian Blur filter, 300–301

General preferences, 434–435
Export Clipboard, 239–240, 434
History Log, 435
HUD Color Picker option, 186, 434
illustrated, 435
Image interpolation option, 434
Place or Drag Raster Images as Smart Objects, 250, 434
Resize Image During Place, 250, 434
Snap Vector Tools and Transforms to Pixel Grid, 388, 434
Vary Round Brush Hardness Based on HUD Vertical Movement, 272, 434

General preferences (Bridge), 444

GIF format
optimizing file in, 465–466
preview options, 468
saving files in, 463

Gradient Editor dialog
illustrated, 197
opening, 196, 228
in tinting images, 228–229

Gradient Fill dialog, 117, 194, 197

Gradient fill layers
applying gradients via, 197
creating, 194–195
settings, editing, 195

Gradient Map adjustments, 228–229

Gradient Overlay layer effect, 378–379

Gradient tool
applying gradients via, 198
defined, 102
editing layer mask via, 259–260
filter effect, 346, 348
Options bar, 198, 259, 309

Gradients
applying via fill layer, 194
creating, 116
defined, 194
effects, complex, 197
filter mask, 346, 348
Gradient Overlay effect, 378
layer mask, 259–260
loading, 194
presets, 196–197
repositioning, 379
saving, 117, 119
scaling, 379
vector shape, 389

Graduated Filter tool (Camera Raw), 56, 78–79

Grayscale
channels, 4
converting images to, 226
converting layer to, 226–228

Grayscale mode, 4

Grid
illustrated, 270
preferences, 442
showing/hiding, 270

Guides, Grid & Slices preferences, 268, 442

Hair, selection of, 166–169

Hand tool
Camera Raw, 56
defined, 103
in repositioning images, 90
temporary, 90

HDR (High Dynamic Range) images
Merge to HDR Pro command, 234–236
processing in Camera Raw, 237

HKS colors, 187

Horizontal Type Mask tool, 102

shooting photos for composite, 234

HDR Toning command, 237

Healing Brush tool
defined, 101
hot spot removal, 295
Options bar, 294
using, 294–296
wrinkles, softening, 294, 295

Highlights
Color Balance adjustment, 217
Curves adjustment, 222–223
Levels adjustment, 210
lightening, 223
Shadows/Highlights command, 232

Histogram panel
Channel menu, 109
illustrated, 109
interpreting graph in, 209
updating, 208
using, 208–209
views, choosing, 208

History Brush tool
defined, 102
History panel with, 109
Options bar, 283–284
using, 283–284

History Options dialog, 178, 181

History panel
defined, 177
Delete Current State button, 180
History Brush tool with, 109
History States preference, 178, 439
illustrated, 109
linear mode, 177, 178, 179
log, 435
New Document from Current State button, 184
New Snapshot option, 182
nonlinear mode, 178, 179
options, 177–178

History states
changing, 179
clearing or purging, 180
deleting, 109, 180
document creation from, 184
History Brush tool to restore areas from, 283–284
number of, 178
restacking, 179
snapshots, 180–183

HKS colors, 187

Horizontal Type Mask tool, 102
Index

Horizontal Type tool
- defined, 102
- creating type with, 355–357
- Options bar, 356, 360
- recoloring type with, 359
- restyling type with, 359–360
- selecting type with, 358

HSB model, 188
HSL/Grayscale tab (Camera Raw), 59, 70–71
HUD color picker, 186
Hue/Saturation adjustments
- applying, 218
- for increasing saturation, 205
- range, setting, 219
- Targeted Adjustment tool, 218

Illustrator, Adobe
- art, dragging, pasting or placing into Photoshop, 250–251
- art, opening into Photoshop, 249
- opening or placing Photoshop Layer into, 459
- pasting shapes from, 390
- Photoshop to, 458

Image menu
- Adjustments submenu, 202
  - HDR Toning command, 237
  - Match Color command, 286
  - Replace Color command, 288
- Shadows/Highlights command, 230
- Canvas Size command, 126
- Image Rotation commands, 91, 134
- Image Size command, 122–125
- Trim command, 132

Image Processor dialog, 462

Image Size dialog
- image resizing (high res/small dimensions), 123
- image resizing (medium res/small dimensions), 124
- photo resolution, changing for print output, 122
- pixel dimensions for Web output, 124
- settings, restoring, 122

Images
- color as building block of, 2
- cropping, 127–131
- flipping, 134
- HDR, 234–237
- for layer effects, 373
- maximum size, 13
- multichannel, 4
- multiple, cropping, 130–132
- PDF presentation of, 420–421
- picking up colors from, 279
- pixel dimensions, changing for Web output, 124, 466, 468
- playing actions on, 397, 398–399
- previews (Bridge), 30–33
- print resolution, 14
- protecting via copyright, 410–411
- reshaping in document window, 90
- resizing areas in, 297, 336–339
- resizing, 121–125
- resizing (Camera Raw), 58
- rotating, 134
- straightening, 133
- watermarks, 410–411
- Web resolution, 13, 463

Importing
- preset libraries, 118
- type as Smart Object, 357
- video files, 426

InDesign, Adobe
- Photoshop to, 458–459
- placing Photoshop layer into, 459

Indexed Color mode, 4
Info panel, 110
Inkjet printing
- outputting files for, 450–456
- printer driver settings for, 450–451
- RGB Color mode for, 447

Inner Glow layer effect, 384
Inner Shadow layer effect, 376, 384
Insert Menu Item dialog, 402
Interface preferences, 87, 92, 100, 436–437
- Appearance, 436
- Options, 436
- Text, 436

Inverting selections, 159
Iris Blur filter
- applying, 312
- mask, using, 317
- selections with, 313
- using, 314

JPEG files
- importing into Photoshop as Smart Objects, 249–251
- opening (Bridge), 34
- opening into Camera Raw, 55
- optimizing for Web, 467–468
- preferences for opening into Camera Raw, 54
- preview options, 468
- raw files versus (Camera Raw), 51, 53
- resolution of, 122
- saving, 462
- saving raw files as (Camera Raw), 84
- for Web, 463

K
Kerning, 361
Keyframes, 425, 431
Keyword preferences (Bridge), 446
Keywords (Bridge), 38–39
Keywords panel (Bridge)
- assigning keywords in, 39
- creating keywords in, 38
- defined, 26
- using, 39

Kuler panel, 111

Lab Color mode, 4
Labels preferences (Bridge), 446
Lasso tool
- defined, 101
- in deselection, 154
- in free-form selections, 153

Launching
- Bridge, 23
- Bridge from Mini Bridge, 48
- Photoshop, 1

Layer Comp Options dialog, 422
Layer comps
- alert icons, clearing, 423
- creating, 111, 422
- defined, 111
- deleting, 424
- displaying, 422–423
- duplicating, 422
- PDF presentation of, 424
- updating, 423

Layer Comps Options dialog, 111
Layer Comps panel
- Delete Layer Comp button, 424
- illustrated, 111
- Last Document State listing, 423
- New Layer Comp button, 422
- Restore Last Document State command, 423
Update Layer Comp button, 423
Layer Comps to PDF dialog, 424

Layer effects
applying, 371–372, 373
applying to adjustment layer, 367
Bevel, 374–375
copying, 380
default settings, 373
Drop Shadow, 376–377, 384
Emboss, 374–375
effect essentials, 371–373
flattening, 381
Gradient Overlay, 378–379
hiding/showing, 372
imagery choices for, 373
Inner Glow, 384
Inner Shadow, 376, 384
live aspect of, 380
moving between layers, 380
Outer Glow, 384, 386
Pattern Overlay, 379
Pillow Emboss, 375
rasterizing, 381
removing, 380
Satin, 379
scaling, 379
settings, changing, 372
settings, saving, 375
Stroke, 378
types of, 371

Layer groups
in clipping mask, 328
creating, 140–141
deleting, 142
dragging up/down, 140
duplicating, 137
hiding/showing, 300
locking, 145
moving layers out of, 141
opacity, changing, 144
renaming, 138
selecting, 139, 246
ungrouping, 142

Layer masks
adding via Layers panel, 172
adding via Refine Edge dialog, 165, 168, 172
applying, 176
black versus white areas in, 172, 173
blending exposures via, 258
color, changing, 173
copying, 176
creating, 172
defined, 172
deleting, 176
density adjustment, 174
disabling, 176
drop shadows, refining, 175
editing, 173–175
editing on adjustment layers, 207
editing with Brush tool, 173, 260
enabling, 176
feather adjustment, 174
gradients in, 259–260
loading, 176
moving, 176
repositioning, 175, 405
reshaping, 173
shortcuts, 207
swapping black/white areas in, 173
working with, 175–176
Layer Style dialog
Angle setting, 372
Bevel & Emboss, 374–375, 386
Blending Options, 330–331
Contour presets, 372
Drop Shadow, 376–377, 381
Gradient Overlay, 378–379
illustrated, 372
Inner Shadow, 376
for layer styles, 382
opening, 330, 371, 373
Outer Glow, 384, 386
Pattern Overlay, 379
Stroke, 378
Layer styles
applying, 382
copying, 383
creating, 383
with Layer Styles dialog, 382
rasterizing, 381
removing, 382
saving, 383
Layers
aligning, with one another, 261
aligning, with Smart Guides, 143
blank, adding, 136
blending modes, 191–192, 329–331
cropping masks, 327–328
color-coding, 145
content, repositioning, 175
converting to Smart Object, 248
copying and merging, 149
creating, 136–138
deleting, 142
desaturating, 220, 221
distributing, 261
document creation from, 246
drag-copying, between files (Layers panel), 246–247
drag-copying between files (Move tool), 244–245
duplicating, 137
drop shadows, fading via gradient in layer mask, 259–260
duplicate, 112, 356–357
effective type, 344
file format supporting, 18, 344
file size and, 150
fill layers, 193–195
Fill percentage, 381
filtering, 146–147
flattening, 150
flipping, 134
Gradient fill, 194–195
hiding, 135, 142
into Illustrator, 459
image, defined, 112
into InDesign, 459
 locking, 145
locking transparent pixels, 144
merging, 148–149
moving out of groups, 141
multiple, selecting, 139
renaming, 137
nontransparent areas, selecting, 151
nudging one pixel at a time, 143
opacity, changing, 144
renaming, 136, 138
repositioning, 143
restacking, 140
rotating, 134
scaling, 246
screening back, 238
selecting, 139, 151
selecting, in document window, 246
shape, 112, 387–391
showing, 142
Solid Color fill, 193
straightening, 133
text, 387–391
visible, merging, 149
warp edits, 340
See also Adjustment layers
Layers panel
- Add Layer Mask button, 258, 259, 266–267, 299, 309, 354, 405
- Add Layer Style menu, 371
- Add Vector Mask button, 258, 259, 266–267, 299, 309, 354, 405
- Apply Layer Mask option, 176
- Background, 135, 138
- blending modes, 192, 329
- Blending Options, 345
- context menus, 141
- Convert to Smart Object via, 248
- Create Fill/Adjustment Layer menu, 193, 194, 202
- Delete Layer button, 206, 380, 394
- Delete Layer Mask option, 176
- Delete Vector Mask command, 394
- Disable/Enable Mask button, 393
- display options, 145
- drag-copying layers via, 246–247
- Duplicate Layer command, 149
- Fill setting, 381
- Filter buttons, 146–147
- Flatten Image command, 150
- illustrated, 112
- Layer Filtering On/Off button, 146
- listings, filtering, 146–147
- Lock Transparent Pixels button, 144, 272, 284
- Merge Down command, 206
- Merge Visible command, 149
- New Group button, 140
- New Group from Layers command, 140
- New Layer button, 136, 137, 233
- Options, 145
- Select Pixels command, 151
- selecting layers via, 139
- thumbnail options, 145
- uses, 112
- Video Group listing on, 426

Leading, 361

Lens Blur filter
- accessing, 310
- applying, 309–311
- dialog illustration, 310
- Iris area, 310–311
- Specular Highlights area, 311

Lens Correction filter
- applying, 318–319
- Auto Correction tab, 318
- Custom tab, 319, 407
- vignette creation via, 407

Levels adjustment layer
- illustrated effects, 210
- mask, 367
- screening back layers with, 238
- settings, applying, 210
- tonal values correction with, 210–211
- See also Adjustment layers

Light Table workspace (Bridge), 28, 29

Lighten blending modes, 191, 300

Line tool, 102

Liquify filter
- distortion tools, 338
- edits, removing, 339
- protecting image areas from, 339
- Reconstruct Options, 339

Locking
- layers or layer groups, 145
- transparent pixels, 144

Loupe (Bridge), 32

Luminance (Camera Raw), 68–69

Mac OS
- Application frame, 86
- color management, turning off for printing in, 456
- droplet usability in, 400
- launching Bridge in, 23
- launching Photoshop in, 1
- quitting Photoshop in, 22
- Save As dialog, 19
- ZIP file creation, 462

Magic Eraser tool, 102

Magic Wand tool
- defined, 101
- Options bar, 158
- using, 158–159

Masks
- clipping, 327–328
- creating, 172
- density, 174
- edges, softening, 406
- editing, 173
- fading edges of layer via, 259–260
- feathering, 174
- layers, 172–176
- options on Properties panel, 114, 174–175
- partial, 170
- refining edges of, 175, 245
- storing selections as, 171
- vignette creation via, 407
- See also Filter masks, Layer masks, Quick Masks, Vector masks

Match Color dialog, 286–287

Merger to HDR Pro dialog
- Advanced tab, 234, 235
- Curves tab, 236
- in making images look surreal, 237
- opening, 234
- Tones and Detail, 234, 235
- using, 234–236

Merging
- adjustment layers, 206
- layers, 148–149
- visible layers, 149

Metadata (Bridge)
- displaying in Content panel, 37
- in tool tips, 37

Metadata panel (Bridge), 26
- keyword assignment via, 39

Metadata placard (Bridge), 30

Metadata preferences (Bridge), 445

Midtones
- adjusting separately, 331
- Color Balance adjustment, 217
- color value selection, 214
- contrast, 232
- darkening, 203, 204
- with Levels adjustment, 210
- lightening, 223, 238
- range, controlling, 230
- reducing blue and green in, 225

Mini Bridge panel
- accessing, 48
- defined, 48
- docking/floating, 49
- file searches via, 49
- illustrated, 49
- Image Processor command, 462
- loading image files into layers via, 248
- opening image files from, 34, 49
- opening video files from, 426
- previewing files in, 48

Minimum filter, 350

Missing Profile alert dialog, 35

Mixer Brush tool
- Airbrush tip, 276
- bristle brush creation, 278
- bristle brush paint options, 279
cleaning bristle brushes, 279
defined, 101
Erodible tips, 276
Options bar, 278, 279, 280
photos into paintings, 280–282, 351–353
using, 278–282
Monitor RGB color space, 8
Motion Blur filter, 320–321
Motion panel for video, 429
Motion workspace, 425
Move tool
drag-copying with, 243, 244–245
in layer selection, 139
in moving selection contents, 155
Options bar, 241, 246, 261
in repositioning layer mask, 175
scaling type with, 360
transformations with, 332–333
Moving
with Content-Aware Move tool, 306
layer effects, 380
layer masks, 176
selection borders, 155
selection contents, 155
vector masks, 394

N
Navigator panel
illustrated, 113
repositioning image in window via, 90
zooming in or out via, 90
New (document) dialog, 15–16
New Actions dialog, 396
New Crop Preset dialog, 131
New Document Preset dialog, 16
New Layer Comp dialog, 422
New Layer dialog, 138
New Preset dialog (Camera Raw), 81
New Snapshot dialog, 182
New Spot Channel dialog, 370
New Style dialog, 383
New Tool Preset dialog, 120
New Workspace dialog, 38, 96
Noise reduction (Camera Raw), 52
North America Prepress 2 option, 8, 10

O
Oil Paint filter, 352–353
Opacity
blending layers via, 329
brush, 271, 272
changing, layer or layer group, 144
duplicate layer, 354
fill layer, 193–195
overlay, 378, 379
shadow, 376
Smart Object, 347
stops in gradients, 196–197
tool, 191
Open as Smart Object dialog, 249
OpenGL, enabling, 85, 439
OpenType characters, 363
Optimized files
format choices for, 463
in GIF format, 465–466
in JPEG format, 467–468
preset, creating, 468
previewing, 464
Options bar
accessing, 98
Brush tool, 170, 173, 207, 233,
271–272
Character panel, 359
Clone Source tool, 262
Clone Stamp tool, 302–303
Color Replacement tool, 290, 293
Content-Aware Move tool, 306
Content-Aware Scale command, 334
Crop tool, 127, 128, 132
Elliptical Marquee tool, 152, 405, 406
Eraser tool, 282
Eyedropper tool, 190
features, 98
Free Transform command, 333
Gradient tool, 198, 259, 309
Healing Brush tool, 294
History Brush tool, 283–284
Horizontal Type tool, 356, 359, 360
illustrated, 98
Magic Wand tool, 158
Mixer Brush tool, 278, 279, 280
Move tool, 139, 241, 246, 261
Patch tool, 298, 308
Path Selection tool, 389, 390, 393
Puppet Warp command, 336
Quick Selection tool, 156
Rectangular Marquee tool, 152
Red Eye tool, 293
Ruler tool, 270
shape tools, 388, 391, 392
Sharpen tool, 321
Spot Healing Brush tool, 297
Toggle Brush Panel button, 95
values, canceling, 98
Vertical Type tool, 356, 359, 360
Warp command, 340
Workspace menu, 92, 96, 97, 98
Orientation, type, 362
Outer Glow layer effect, 384, 386
Out-of-gamut alert, 188
Output panel (Bridge),
PDF contact sheet via, 418–419
PDF presentation via, 420–421
Web Gallery creation, 412–416
Output preferences (Bridge), 446
Overlay blending mode, 233

P
Paintings
oil, turning photos into, 352–353
turning photos into, 280–282, 351–353
Palette Knife filter, 353
Panel
Actions, 104, 395–404
Adjustments, 105, 201–206
Brush, 105, 273–276
Brush Presets, 106, 277
Channels, 2–4, 106
Character, 107, 355, 357, 361–363
Character Styles, 107, 364
Clone Source, 108, 262–263
Color, 108, 188
Histogram, 109, 208–209
History, 109, 177–184
Info, 110
Kuler, 111
Layer Comps, 111, 422–424
Layers, 112, 135–151, 246–248,
258–259, 266–267
Mini Bridge, 48–49
Navigator, 90, 113
Paragraph, 113, 357, 364
Paragraph Styles, 113, 364
Properties, 114, 173, 176, 202–206
Styles, 115, 382–383
Swatches, 115, 189
Timeline, 115, 425–432
Tool Presets, 115, 120
Tools, 101–104, 170
Panel groups
closing, 94
floating, 95
maximizing/minimizing, 94
moving, 95
reconfiguring, 94–95

Panels
  closing, 94
  configuring, 93–95
deleing presets from, 116
  hidden docks, displaying, 93
  hiding, 93, 94
    icons, 100
  maximizing/minimizing, 94
  moving, 95
  opening, 93
  preset management via, 116–118
  redocking into Application frame, 95
  restoring default presets to, 118
  showing, 93, 94
  widening or narrowing, 95

Panels (Bridge)
  Collections, 26
  configuring manually, 36
  Content, 26, 36, 37
  displaying/hiding, 36
  Favorites, 26, 30, 45
  Filter, 26, 41
  Folders, 26, 30
  Keywords, 26, 38–39
  Metadata, 26, 39
  Preview, 26, 30

Panoramas, 264–265

PANTONE PLUS colors, 187

Paragraph panel
  alignment buttons, 364
  controls, 364
  East Asian Features, 357
  functions, 113
  hyphenation option, 364
  illustrated, 113
  justification buttons, 364
  Middle Eastern Features, 357

Paragraph Styles panel
  Clear Overrides button, 365
  functions, 113
  illustrated, 113
  New Paragraph Style button, 365
  Refine Style command, 365

Paragraph type
  converting to or from point type, 360
  creating, 356
  transforming, 366

Paste Camera Raw Settings dialog, 82
Paste dialog, 250

Pasting
  Illustrator art into Photoshop, 250
  selections, 240
  into selections, 242
  shapes from Illustrator, 390

Patch tool
  defined, 101
  Options bar, 298, 308
  removing image elements with, 308
  retouching with, 298

Path Selection tool
  defined, 102
  Options bar, 389, 390, 393
  in repositioning vector mask, 393
  in switching function of vector masks, 394

Pattern fill layers, 195

Pattern Overlay layer effect, 379

Pattern picker, 199, 275

Patterns
  custom, 199–200
  in Bevel & Emboss effect, 375
  Fill dialog, 199
  in fill layers, 199
  illustrated, 200
  Pattern Overlay effect, 379
  scripted, 199–200
  on vector shapes, 389

PDF format
  contact sheets, 418–419
  Photoshop feature preservation in, 18
  presentation of images, 420–421
  presentation of layer comps, 424
  saving files in, 460, 462

Pen tool, 102

Performance preferences, 439
  Graphics Processor Settings, 85, 439
  History & Cache, 178
  Memory Usage, 439
  Scratch Disks, 439

Perspective
  correction, 318–319
  transformation, 333

Perspective Crop tool, 101, 131

Photo Downloader (Bridge), 24–25

Photo Filter adjustments, 213

Photomerge dialog, 264–265

Photos
  downloading (Bridge), 24–25
  sampling colors from, 280
  shooting for panorama, 264
  turning into oil painting, 352–353
  turning into paintings, 280–282
  turning into tinted drawing, 354

Photos (Camera Raw)
  archiving as DNG files, 84
  cropping, 57
  grayscale, color tint application to, 75
  opening, 54
  preferences, setting, 54
  sharpening, 68
  Smart Object editing, 254
  straightening, 57
  updating, 54

Photoshop
  exiting/quitting, 22
  getting to quickly, 34
  launching, 1
  new or improved features identified, 1

Photoshop Import Options dialog, 459

Pickers
  deleting presets from, 116
  preset management from, 116–118
  restoring default presets to, 118
  saving presets on, 117

See also specific Pickers

Pillow Emboss layer effect, 375

Pixels
  adding to canvas, 126
  converting vector shapes to, 390
  dimensions, changing for Web output, 124
  distribution on Histogram panel, 209
  erasing, 282
  hidden, displaying, 241
  maximum image size in, 13
  outside canvas, 241
  pasted, 240
  rasterizing type into, 368–369
  selection, turning into layer, 137
  transparent, locking, 144

Place dialog, 255, 458

Playback preferences (Bridge), 445

Plug-ins preferences, 442–443

Point type
  converting to paragraph type, 360
  creating, 356

Polygon tool, 102

Polygonal Lasso tool
  defined, 101
  in straight-sided selections, 153

Pop-up sliders, 107
PostScript printing options, 454
Preferences, 434–443
   Cursors, 101, 297, 440
   File Handling, 20, 54, 437–438
   General, 239–240, 272, 434–435
   Guides, Grid & Slices, 268, 442
   Interface, 92, 100, 436–437
   Performance, 85, 178, 439
   Plug-ins, 442–443
   resetting, 433
   Transparency & Gamut, 144, 440
   Type, 357, 443
   Units & Rulers, 16, 441
Preferences (Bridge), 444–446
   Advanced, 446
   Cache, 50, 446
   Camera Raw, 54
   File Type Associations, 446
   General, 30, 54, 444
   Interface, 87
   Keywords, 446
   Labels, 40, 446
   Metadata, 445
   opening, 433
   Output, 446
   Playback, 445
   resetting, 433
   Startup Scripts, 446
   Thumbnails, 37, 445
Preferences (Camera Raw), 54
Preset libraries
   exporting, 118
   importing, 118
   loading, 117, 119
   saving presets as, 117, 119
Preset Manager
   illustrated, 119
   loading presets via, 119
   opening, 119, 277
   saving presets via, 119
Presets
   adjustment layer, 206
   brush, 277
   creation of, 116
   default, restoring, 118
   deleting, 16, 116, 119
   document, 16
   exporting and importing, 118
   gradient, 196
   loading 117, 119
   optimization, 468
   renaming, 119
   saving, 16, 117, 119
   tools, 120
   unsaved, storage, 116
   Web Gallery settings as preset, 415
Presets (Camera Raw)
   applying, 81
   saving settings as, 81
Preview panel (Bridge)
   defined, 26
   image display in, 30, 32
Preview workspace (Bridge), 28, 29
Previews
   Camera Raw, 59
   filter, 342, 343
   GIF/JPEG optimization options, 468
   optimized file, 464
Previews (Bridge), 30–33
   comparing, 32
   full-screen, 32
   quality options, 31
   in Review mode, 33
   thumbnails, 30
Previews (Camera Raw)
   histogram clipping warnings, 62, 63
   Threshold, 64
   toggling, 59
   zooming in, 56
Print dialog
   accessing, 450
   Color Management settings, 452, 455, 456
   illustrated, 453
   PostScript Options category, 454
   printer driver settings, 450–451
   Printing Marks options, 454
   settings, 452–454
Print output
   commercial, 449, 457
   file resolution, 14, 16
   file resolution (Camera Raw), 58
   quasi hard proof, 454
   resolution, changing, 121–125
   scaling, 452
Printers
   color management, turning off, 455–456
   driver settings, 450–451
   profiles, acquiring, 11
   rendering intents and, 449
Process colors, 187
Profiles
   color, 5, 12, 35
   document listing, 21
   printer, 11
Proofing colors
   on an inkjet printer, 454
   soft, for commercial printing, 449
   soft, for inkjet output, 448
   soft, for Web output, 449
Properties panel
   adjustment layer options, 114
   Apply Mask button, 176
   Auto-Select Parameter option, 205
   Black & White controls, 226, 227, 228
   Brightness/Contrast controls, 212
   Clip to Layer button, 205
   Color Balance settings, 216, 217
   Curves Display Options, 222
   Delete Adjustment Layer button, 206
   Delete Mask button, 176
   Gradient Map controls, 228, 229
   Hue/Saturation controls, 218, 292
   illustrated, 114
   Invert button, 173
   Levels controls, 210, 238
   Load Selection from Mask button, 176
   Mask Edge option, 175
   mask options, 114
   Photo Filter controls, 213
   settings
      choosing, 202–205
      editing, 204
      restoring, 204
      saving as preset, 206
      viewing image without current, 204
   Vibrance controls, 219, 220
Properties/Print dialog, 450, 451
ProPhoto RGB color space, 8
PSB files, 18
PSD format
   in feature preservation, 18
   image files, 1
   saving files in, 462
   saving raw files in, 84
Puppet Warp command, 336–337
Q
Quick Mask Options dialog, 171
Quick Masks
   painting with, 171
   in reshaping selections, 170
using, 170

Quick Selection tool
cleaning up with, 157
defined, 101
Options bar, 156
using, 156–157

RAM, 21

Rasterizing
layer effects and styles, 381
Smart Objects, 255
type, 368–369

Raw files (Camera Raw)
advantages to using, 51–53
clean copy, opening, 84
JPEG files versus, 51, 53
opening into Camera Raw, 54–55
opening into Photoshop, 84
previewing, 52
saving, 84
TIFF files versus, 51, 53
See also Camera Raw

Record Stop dialog, 401

Rectangular Marquee tool
in creating selections, 152
defined, 101
in deselection, 154
fixed ratio/dimensions selection, 152
in frame-shaped selections, 163
Options bar, 152

Red-eye removal, 293

Red Eye Removal tool (Camera Raw), 56

Red Eye tool
defined, 101
using, 293

Refine Edge dialog
accessing, 165
in artistic border creation, 408
Decontaminate Colors, 168, 169
illustrated, 165
layer mask creation with, 172, 245
Output To menu, 408
Refine Radius tool, 168
refining hair selection with, 166–169
refining selection edges with, 165, 245
Smart Radius option, 166

Refine Mask dialog, 175

Refocusing. See Blur filters

Render Video dialog, 432

Rendering intents, 449, 452

Replace Color dialog, 288–289

Resampling files, 121–125

Reshaping
bounding box, 366
with Content-Aware Move tool, 306
images, 297
layer masks, 173
with Liquify filter, 338–339
with Puppet Warp command, 336–337
selections, 170
shadows, 377
with Warp command, 340

Resolution
calculating, 13–14
default values, setting, 16
defined, 121
document, 121–125
document dimensions compared to, 125
image, 123–124
print output, 14, 16, 58, 122
selecting, 15
Web output, 13, 16, 463

Retouching
by cloning imagery, 302–303
Color Replacement tool, 290–291
eye whitening, 292
Gaussian Blur filter, 300–301
guidelines, 285
Healing Brush tool, 294–296
Match Color command, 286–287
Patch tool, 298, 308
Red Eye tool, 293
Replace Color command, 288–289
skin smoothing, 299
Spot Healing Brush tool, 297, 304
Surface Blur filter, 299
teeth whitening, 292

Review mode (Bridge)
previewing images in, 33
rating thumbnails in, 40

RGB Color mode
channels, 3
conversion, 3, 4
defined, 3, 4
for inkjet printing, 447
for Photoshop work, 201

RGB model
choosing, 188
in color selection, 186
defined, 2, 188

Rotate View tool, 91, 103

Rotating
bounding box, 366
cloning source overlay, 263
items, 333
layers, 134
via Puppet Warp command, 336, 337

Rounded Rectangle tool, 102

Ruler guides
creating at specific location, 270
creating by dragging, 269
locking/unlocking, 270
removing, 270

Ruler tool
defined, 101
in measuring distance/angle via, 270
Options bar, 270
straightening layers with, 133

Rulers
origin, changing, 269
showing and hiding, 269
units, changing, 269, 441
units, in actions, 396

Rusted metal type, 384–385

Satin layer effect, 379

Saturation adjustments
Basic tab (Camera Raw), 65
Color Replacement tool, 290–291
Hue/Saturation, 205, 218–219
vibrance, 219–221
in whitening teeth, 292

Save Adobe PDF dialog, 460

Save As dialog, 18, 19, 20, 150, 460, 461

Save for Web dialog
GIF format, 465–466
illustrated, 464
JPEG format, 467–468
previewing optimization settings, 464

Save Options dialog (Camera Raw), 84

Save Settings dialog (Camera Raw), 81

Saving
action sets, 404
adjustment presets, 206
blur masks, 312
brushes, 277
Camera Raw settings, 81
color settings, 11
custom workspaces, 96
document presets, 16
documents, 18–20
flattened documents, 150
in JPEG format, 462
layer effect settings, 383
multiple files, 462
in PDF format, 460, 462
presets, 117, 119
in PSD format, 18–19, 462
selections, 164
Shadows/Highlights settings, 232
styles, 383
in TIFF format, 461, 462
for Web, 463–468
Web Gallery settings as preset, 415
workspaces (Bridge), 38
Scaling
based on percentages, 334
clone source overlay, 263
Content-Aware, 334–335
gradients, 379
items, 332
layer effects, 379
layers, 246
patterns, 199, 375, 379
print output, 452
Smart Objects, 250, 251
styles, via Image Size dialog, 123
type, 360
Screen mode menu on Tools panel, 92
Screening back type, 367
Scripted patterns, 199–200
Scrolling in multiple windows, 91
Scrubby sliders, 107
Searching for files (Bridge), 45
Select menu
All command, 151
Color Range command, 160
Deselect command, 154
Deselect Layers command, 365
Grow command, 159
Inverse command, 159
Reselect command, 154
Similar command, 159
Transform Selection command, 332
Selection edges
adjusting, 241
feathering, 243
refining, 165–169
Selections
adding to via command, 159
in adjustment layers, 202
with blur filters, 313
border, moving, 155
border, showing/hiding, 162
of colors, 160–162
contents, moving, 155
Color Range command, 160–162
creating via Quick Mask, 171
creating via vector path tools, 164
deleting, 154
deselecting, 154
drag-copying, between files (Move tool), 244–245
drag-copying, on same layer, 243
editing via Quick Mask, 170
Elliptical Marquee tool, 152, 163, 405–406
enlarging, 156
expanding, 159
filling, 154
frame-shaped, 163
free-form, 153
hair, 166–169
inverting, 159
Lasso tool, 153
layer-based, 151
loading alpha channels as, 164
loading layer masks as, 176
Magic Wand tool, 158–159
moving border of, 155
moving contents of, 155
nontransparent areas of layer, 151
pasting into, 242
Polygonal Lasso tool, 153
Quick Selection tool, 156–157
Rectangular Marquee tool, 152, 163
reselecting, 154
reshaping, 170
storing as a mask, 172
saving, 164
straight-sided, 153
type, 358
whole layer, 151
Settings menu (Camera Raw)
restoring settings via, 60
saving settings as presets via, 81
Shadow clipping (Camera Raw), 64
Shadows
auto correction, 214–215
Brightness/Contrast adjustment, 212
Color Balance adjustment, 216
Curves adjustment, 222–223
dodging and burning, 233
drop (layer effect), 376–377
in HDR images, 234–237
Levels adjustment, 210–211
pixels in histogram, 209
reducing, 231
in Shadows/Highlights command, 230–232
softening, 323
tinting (Camera Raw), 75
Shadows/Highlights command, 230–232
Shape layers. See also Vector shapes
creating vector masks from, 392
defined, 112
merging, 148
warp settings, 340
Shape picker, 410
Sharpen tool
defined, 102
using, 321
Sharpening
photos (Camera Raw), 68
Sharpen tool, 102, 321
Smart Sharpen filter, 322–324
Unsharp Mask filter, 325–326
Shortcuts
layer mask, 207
tool setting changes, 272
transform, 333
undo, 99
zoom, 89
Single Column Marquee tool, 101, 152
Single Row Marquee tool, 101, 152
Single-Line Composer, 364
16-bit files, 17
Skewing items, 333
Skin smoothing
with Gaussian Blur filter, 300–301
with Surface Blur filter, 299
Smart collections (Bridge), 47
Smart Filters
applying, 344
blending options, editing, 345
copying, 345
deleting, 346
editing, 344
example use, 347–348
hiding/showing effects, 345
mask, 346
restacking, 345
Smart Guides
aligning layer content with, 143
in moving layers, 268
transformations with, 332
Smart Objects
applying filters to, 344–351, 353
converting layers to, 248
copies, converting to layer, 255
creating, 248–251
defined, 248
dragging files into documents as, 250–251
duplicating, 252
editing, 253–254
importing type as, 250–251, 357
in lieu of merge or flatten, 148
linked duplicates, creating, 252
merging, 148
opacity, 347
opening files as, 249
opening files from Camera Raw as, 249, 256–257
rasterizing, 255
replacing, 255
scaling, 251
thumbnails, 254
Smart Quotes, 357
Smart Sharpen filter, 322–324
Smudge tool, 102
Snap option, 269, 270
Snap To feature, 270
Snap Vector Tools and Transforms to Pixel Grid, 388
Snapshot tab (Camera Raw), 81
Snapshots (History panel)
creation of, 182
deleting, 183
of history state, 182
layer comps instead of, 423
as newest history state, 183
options, 181
using, 181–183
Soft proofs
commercial printing, 449
inkjet, 448
online output, 449
Solid Color fill layers, 166, 193
Spatter filter, 385
Special characters, inserting, 363
Split Toning tab (Camera Raw), 75
Splitting video clips, 428
Sponge tool, 102
Spot colors
channel, putting type in, 370
choosing, 187
for color accuracy, 186
defined, 186
separation into process colors, 187
Spot Healing Brush tool
Content-Aware option, 226
defined, 101
Options bar, 297
using, 297
Spot Removal tool (Camera Raw), 56, 80
sRGB color space, 8
Startup Scripts preferences (Bridge), 446
Status bar, 21
Straighten tool (Camera Raw), 56
Straightening
Crop and Straighten Photos command, 134
images, 133
layers, 133
Stroke layer effect, 378
Stroke on vector shapes
copying, 390
recoloring, 389
styling, changing, 390
Styles, layer
applying, 382
creating, 383
rasterizing, 381
removing, 382
saving, 117, 119
scaling, 123
Styles panel
Clear Style button, 382
illustrated, 115
New Style button, 383, 410
saving styles to, 383
uses, 115
Styles, type, 365
Suites Color Settings dialog, 9
Surface Blur filter, 299
Swatches, color
creating, 189
current, using, 189
default, restoring, 189
saving, 117, 119
Swatches panel
adding to, 189
choosing colors via, 189
illustrated, 115
New Swatch of Foreground Color button, 116, 189
saving swatches via, 117
Synchronizing
Camera Raw settings, 83
color settings, 9
T
Targeted Adjustment tool (TAT)
auto-selecting, 226
Black & White adjustment layer, 226
Curves adjustment layer, 222, 224
Hue/Saturation adjustment, 218
Targeted Adjustment tool (Camera Raw), 66, 71
Teeth whitening, 292
Textures, grain (Camera Raw), 76
Texturizer filter, 351
Thumbnail preferences (Bridge), 445
Thumbnails (Bridge)
adding to collection, 47
adding to stacks, 43
badge, 54
cycling through, 30
displaying, 30, 48
filtering, 41, 48
full-screen preview of, 32
grouping into stacks, 42
labeling, 33, 40
multiple, selecting, 30, 31
quality options, 31
rating, 33, 40
rearranging, 41
rearranging within stacks, 42
removing from collection, 47
removing from stacks, 43
removing ratings/labels from, 40
resizing, 36
selecting, 30
selecting in stacks, 42
sorting (Mini Bridge), 48
sorting order, choosing, 41
stacks, ungrouping, 43
TIFF files
in feature preservation, 18
opening (Bridge), 34
opening in Camera Raw, 54
raw files versus (Camera Raw), 51, 53
saving, 461
saving multiple files as, 462
saving raw files as (Camera Raw), 84
TIFF Options dialog, 461

Tilt-Shift filter
applying, 312
mask, using, 317
in photography, 315
selections with, 313
using, 315

Timeline
adding tracks to, 426
defined, 425

Timeline panel
Add Keyframe button, 431
Add Media menu, 426, 429
Add Media to Track button, 426
Audio panel access, 432
Enable Keyframe Animation button, 431
illustrated, 115, 425
Motion panel access, 429
Mute Audio Playback button, 427
New Video Group option, 426
opening, 425
Play button, 427
Render Video button, 432
Split at Playhead button, 428
Transition button, 428
uses, 115
in video editing, 425
Video panel access, 427
See also Video, Video clips

Tints
applying to grayscale photos (Camera Raw), 75
Black & White adjustment, 226, 228
Gradient Map adjustment, 228–229

Title clips, 429

Tonal adjustments
Black & White adjustment, 226–228, 349
Brightness/Contrast adjustment, 212
Curves adjustment, 222–223
display calibration and, 201
dodging and burning, 233
Levels adjustment, 210–211, 238
redistribution (Camera Raw), 52
Shadows/Highlights command, 230–232
Tone Curve tab (Camera Raw), 66–67
vignette creation via, 406

Tone Curve tab (Camera Raw), 59, 66–67
Tool Preset picker, 120

Tool presets
creating, 116, 120
default, restoring, 120
defined, 115
ideas for, 120

Tool Presets panel, 115, 120

Tool Tips
metadata in (Bridge), 37
preferences, 436
using, 100

Tools
Add Anchor, 102
Art History, 102
Background Eraser, 102
Blur, 102, 233
Brush, 101, 233, 271–276
Burn, 102, 233
Clone Stamp, 101, 262–263, 302–303
Color Replacement, 101, 292
Color Sampler, 101
Content-Aware Move, 101, 306–307
Convert Point, 102
Count, 101
Crop, 101, 127–133
Custom Shape, 102, 387, 392
Delete Anchor, 102
Direct Selection, 102
Dodge, 102, 233
Ellipse, 102
Elliptical Marquee, 101, 152, 154, 405
Eraser, 102, 282
Eyedropper, 101, 190
Freeform Pen, 102
Gradient, 102, 196, 198, 259
Hand, 90, 103
Healing Brush, 101, 294–296
hidden, selecting, 101
History Brush, 102, 109, 283–284
Horizontal Type, 102, 356–360
Horizontal Type Mask, 102
Lasso, 101, 153, 154
Line, 102
Magic Eraser, 102
Magic Wand, 101, 158–159
Magnetic Lasso, 101
Mixer Brush, 101, 278–282, 351
Move, 155, 175, 241, 243, 244–245, 246, 332–333
Note, 101
opacity, 191
Option bar settings, 101
Paint Bucket, 102
Patch, 101, 298, 308
Path Selection, 102, 389–390
Pattern Stamp, 101
Pen, 102, 164
Pencil, 101
Perspective Crop, 101, 131
Polygon, 102
Polygonal Lasso, 101, 153
Quick Selection, 101, 156–157, 292
Rectangle, 102
Rectangular Marquee, 101, 152, 154, 408
Red Eye, 101, 293
Rotate View, 91, 103
Rounded Rectangle, 102
Ruler, 101, 133, 270
selecting, 101
Sharpen, 102, 321
Single Column Marquee, 101, 152
Single Row Marquee, 101, 152
Slice, 101
Slice Select, 101
Smudge, 102
Sponge, 102
Spot Healing Brush, 102, 297
spring-loading, 101
Targeted Adjustment, 218, 222, 224, 226
3D Material Drop, 102
3D Material Eyedropper, 101
Vertical Type, 102, 356–361
Vertical Type Mask, 102
Zoom, 89, 91, 103

Tools (Camera Raw), 56

Tools menu (Bridge)
Batch Rename command, 44
Cache command, 50
Photoshop submenu
Batch command, 397
Contact Sheet II command, 416–417
Image Processor command, 462
Load Files into Photoshop Layers command, 248
Merge to HDR Pro command, 234
Photomerge command, 264
Process Collections in Photoshop command, 264

Tools panel
cycling through tools on, 101
Default Foreground and Background Colors option, 104, 185
Index | 487

Edit in Quick Mask Mode option, 104, 170, 171
Edit in Standard Mode button, 170
illustrated, 102–104
Screen Mode menu, 92, 93
Set background color option, 104, 185
Set foreground color option, 104, 185
Switch Foreground and Background Colors option, 104, 185
using, 101
See also Tools
TOYO Color Finder, 187
Tracking, type, 361
Tracks, video
adding to timeline, 426
applying adjustment layer to, 430
audio, 432
deleting, 427
See also Video
Transformations
applying, 332–333
Drop Shadow layer effect, 377
with Free Transform command, 332–333
with Move tool, 332–333
objects, 332
via Options bar, 333
paragraph type, 366
selection border, 155
shortcuts, 333
with Smart Guides, 332
type, 360, 366
undoing, 333
Transition panel, 428
Transitions, video
adding, 428
defined, 425
duration, adjusting, 428
Transparency in GIF, 465
Transparency & Gamut preferences, 144, 440
Trim command, 132
TRUMATCH color system, 187
Type
aligning, 356, 364
anti-aliasing, 357
attributes, changing, 358
baseline shift, 363
center character styles, 365
characters, selecting, 358
color, 359
converting point/paragraph, 360
creating, 356–357
creating vector masks from, 392–393
deleting, 358
deletable, 355
editing, 358
editing mode, exiting, 358
embossed leather, 384–385
fading, 362
font family/style, changing, 359
font size, changing, 360
formatting, 365
hyphenation, 364
importing as Smart Object, 250–251, 357
justifying, 364
kerning, 361
leading, 361
OpenType, 363
orientation, 362
paragraph, 356, 360, 366
paragraph settings, 364
paragraph styles, 365
point, 356, 360
rasterizing, 368–369
recolored, 359
recolored, on image, 367
rusted metal, 384–385
scaling, 360
screenback, 367
selecting, 358
shapes, repositioning, 370
in spot color channel, 370
tracking, 361
transforming, 332–333, 340
transforming bounding box, 366
warp settings, 340
Type preferences, 357, 443

U
Undoing
Properties panel edits, 204
shortcuts for, 99
transformations, 333

Unsharp Mask filter, 325–326

V
Vector masks
copying, 393
creating from custom shape, 392
creating from shape layer, 392
creating from type, 392–393
deactivating, 393
discarding, 394
function, switching, 394
moving, 394
repositioning, 393
working with, 393–394
Vector shapes
adding to layers, 391
advantages to using, 387
aligning for Web output, 388
aligning to one another, 391
anti-aliasing removal, 388
combining, 391
converting to pixels, 390
copying attributes among, 389
creating, 387–388
defined, 387
drawing, 388
defining, 388
defining, 387
drawing, 388
defining, 387
drawing, 388
editing, 388
pasting shapes from, 390
recolored, 359
repositioning, 391
stroke styling, 390
Vertical Type Mask tool, 102
Vertical Type tool
in changing font size, 360
defined, 102
Options bar, 356, 359, 360
in recoloring, 359
in selecting type, 358
type creation, 356–357
Vibrance adjustments
applying, 219–221
desaturating layers with, 220
restoring color selectively with, 221
skin tones, 219
Video
adding still images to, 429
adjustment layer application to, 429
audio clips, 432
files, importing, 426
filter application to, 431
frames, defined, 425
keyframes, 425, 431
manual fade, 431
picture-in-a-picture, 431
playing, 427
rendering clips into movie, 432
reviewing, 427
terminology, 425
timeline, 425, 426
title clips, 429
tracks, 425, 426, 427
transitions, 425
workspace setup for editing, 425

Video clips
adding transitions to, 428
applying adjustment layer to, 430
applying filters to, 431
defined, 425
deleting, 427
length, changing, 427
order, changing, 427
rendering, 432
speed, changing, 427
splitting, 428
title, 429
trimming by dragging, 427

View menu
Clear Guides command, 270
Extras command, 268, 332
Lock Guides command, 270
New Guide command, 270
Print size command, 125
Proof Colors command, 448, 449
Proof Setup command, 195, 448
Rulers command, 269
Show submenu, 162, 268, 269, 270
Snap command, 269, 270
Snap To submenu, 129, 155, 270

Vignettes
creating via Lens Correction filter, 407
creating via tonal adjustment and mask, 406
white-bordered, creating, 405
Vignettes (Camera Raw), 77

Warp command, 340

Watermarks
adding to images, 410–411
creating, 410
Digimarc, 411

Web
aligning shapes for, 388
file size, 463
GIF and JPEG compared, 463
GIF format, 465–466
JPEG format, 467–468
previewing optimization settings, 464
resolution and dimensions for, 13, 16, 124, 463

Web Gallery
creating, 412–414
defined, 412
gallery preview, 413, 415
illustrated, 415
saving, 416
saving settings as preset, 415
slideshow in default browser, 415
templates, 412–413
uploading via Bridge, 416

White balance
adjustments (Camera Raw), 61
setting (Camera Raw), 60

White Balance tool (Camera Raw), 56

Window menu
Arrange submenu, 87, 88, 90, 91, 240, 246
opening panels via, 99
Options bar, 98, 101
Workspace submenu, 92, 425

Windows
color management, turning off and printing in, 455
droplet usability in, 400
exiting Photoshop in, 22
launching Bridge in, 23
launching Photoshop in, 1
Save As dialog, 19
ZIP file creation, 462

Workflow Options dialog (Camera Raw), 58

Working spaces
CMYK, 457
current, assigning, 12
in imported files, 10
settings, 8

Workspace menu (Options bar), 92, 96–98

Workspaces
choosing, 92
deleting, 97
editing, 97
resetting, 97
saving, 96–97
setting up for video editing, 425

Workspaces (Bridge)
changing, 28
choosing, 28–29
custom, 38
default, 26
deleting, 38
Essentials, 28, 29
Filmstrip, 28
Light Table, 28, 29
order, changing, 28
Preview, 28, 29
resetting, 38
saving, 38

Wrinkle removal, 294, 295, 298

Z

ZIP files, 462

Zoom
level, changing, 89–91
level, changing via Navigator panel, 90
level, changing via Zoom tool, 89
level, matching, in multiple documents 90
in multiple document windows, 91
shortcuts, 89

Zoom tool
defined, 103
Scrubby Zoom, 89
zoom level changes with, 89, 91

Photography credits

Shutterstock.com

Gettyimages.com
Pages 14, 291, 332, 341, 366

Other photographs
Page 25 Wayne Palmer © Palmer Multimedia
Page 467 © Victor Gavenda
All other photographs ©Elaine Weinmann and Peter Lourekas