Introduction

I love Photoshop Elements, I really do. Now, I’m a graphics geek, so I’m a Photoshop user from way back—version 2. When I got my first good look at Photoshop Elements 1, I was thrilled that Adobe had managed to roll much of the power of Photoshop into such a simple, clean package. Now that we’re up to version 6, I like the program even better.

Photoshop Elements is easy to use, but it still has a lot of great features brought over from Big Mama Photoshop, such as batch processing and my favorite Photoshop command, Shadow/Highlights. To sweeten the pot, there’s a built-in photo catalog, called the Organizer, and easy ways to create fun projects using your photos, from hardbound books to slideshows that will really wow the boss or the grandparents.

You can get Photoshop Elements 6 for Mac OS X or for Windows, and it works almost identically on the two platforms. You’ll find a few differences—for example, on the Mac, the Organizer is called Bridge—but for the most part, you can use either version with this book (which was written using the Windows version). If you are using a Mac, you’ll need to translate keyboard shortcuts a bit; instead of using Ctrl, use the Command key, and instead of using Alt, use the Option key.

You’ve probably noticed that Sams Teach Yourself Adobe Photoshop Elements 6 in 24 Hours is divided into hours rather than chapters. Not surprisingly, there are 24 hours in the book. Don’t view this as a challenge, however; I don’t expect you to work through the book in 24 consecutive hours. Instead, complete each hour at your own pace. Feel free to skip around. If you’re already familiar with Photoshop or with older versions of Photoshop Elements, don’t skip the Workshop sections. I know they look like homework (and they are!), but I’ve tried to keep them fun, useful, and short—and even experienced users will find them valuable.

I’ve posted a bunch of the photos used in this book on the Sams website. You can find them by going to www.informit.com/title/0672330172. Now, you won’t see all the book’s photos in this downloadable collection; I’ve indicated in the text when a photo is included so that you can work along with me on the Try It Yourself sections. But the real point of all this is for you to learn to work with your photos, those special images of your family, the things you’re interested in, the places you travel, and whatever else you snap pictures of. So jump on in using your own photos, and—whatever else you do—have fun!
HOUR 6

Making Quick Fixes

What You’ll Learn in This Hour:

- When to use Quick Fix—and when not to
- How Photoshop Elements uses the Auto Quick Fixes to fix your images
- How to make your own fixes using the Quick Fix controls

Click. Oh my, look how sharp my picture is now! Click. Hey, the colors are all bright now, too! As the late, great magician Doug Henning used to say, “It’s magic!”

Well, perhaps not literally. But Photoshop Elements Quick Fixes, which you can perform in either the Organizer or the Editor, certainly give you a lot of bang for your single click. Most of the time, you’ll find that a Quick Fix makes a marked improvement in an image. When you’re in a hurry or just don’t have the patience to mess around with a picture, Quick Fix is where you want to go.

When Is Quick Fix the Right Tool?

As you know, the Editor has three modes: Guided Edit, Quick Fix, and Full Edit. If you’re feeling frisky and ready to really get your hands dirty, you’ll want to take the time to work on your photos in Full Edit mode. This is where you have the most control over what you do and how much of it you do. On the other hand, when you want to do the work yourself, but you want a little hand-holding, Guided Edit is for you. You’ll use the same tools and commands as you would in Full Edit mode, but you won’t have to locate them in the toolbox or the menus, and Photoshop Elements will offer you helpful instructions as you work.

But if you really don’t know how to accomplish your desired result (perhaps you haven’t finished reading this book yet), or if you’re just in a hurry, you need Quick Fix. In the Editor, the Quick Fixes are grouped into four categories, each with one or more sliders you
can use to make your own changes to the picture, accompanied by an Auto button you can click to have Photoshop Elements do the work for you (see Figure 6.1). In the Organizer, the Fix tab contains six buttons that correspond to the six Auto buttons in the Editor; if you’re too pressed for time even to switch to the Editor, you can just click and go.

Before we go over what each Quick Fix is and when you should use it, here’s the basic workflow for using any Quick Fix:

1. Choose a photo or photos in the Organizer. If you’re working with more than one picture, the extras are popped into the Project Bin so you can work on one at a time. (When you double-click an image in the Bin to work on it, the current image drops back into the Bin.)

2. Switch to Quick Fix mode in the Editor, either by choosing Editor, Quick Fix or by clicking the Edit tab in the Task pane and then clicking the Quick Fix button.

3. Choose an option from the View menu below the image preview (see Figure 6.2). I usually use either Before & After—Horizontal or Before & After—Vertical, depending on whether the photo I’m editing is vertically or horizontally oriented.

4. In the After view, rotate and crop the image into its final form. (There’s no point in applying fixes to parts of the image you’re just going to delete anyway.)
5. Try one of the Quick Fixes by clicking the Auto button or dragging the slider. When you use the slider, if you like the results, click Commit (the green check mark); if you don’t, click Cancel (the red universal “no” symbol).

6. Choose File, Close or press Ctrl+W; when prompted, save the file, either with the same name or with a different one (if you want to preserve the original version).

Try to use only one or two of the Auto fixes on any given image because they overlap somewhat. Using more than one can “fix” an image too much and actually create problems that didn’t exist before, such as too-bright highlights. And always save Sharpen for last so that you don’t undo its work by modifying the picture’s highlights and shadows.

**General Fixes**

The General fixes include Smart Fix, which sounds promising, and Red Eye Fix, which is downright indispensable. You already know what red eye is and why you don’t want it, but what exactly does Smart Fix do?

Smart Fix adjusts both lighting and color at the same time, leaving your image ready for sharpening. Ideally, while maintaining or improving contrast, Smart Fix lightens shadows that are too dark and darkens highlights that are too bright. You can apply it either by clicking Auto or by dragging the slider to determine exactly how much you’re willing to let Photoshop Elements mess around with your picture.
Clicking the Auto button usually yields the same amount of modification as dragging the slider halfway. If you drag the slider all the way to the right, an undesirable color cast might appear. This is, quite literally, too much of a good thing; the maximum setting for the Smart Fix slider makes the same changes Photoshop Elements would do automatically, only to a greater degree. For example, if an image is too orange, adding a bit of green to it balances the color. But adding more green just turns the whole picture greenish.

Now, before we move on, you should know one thing about Red Eye Fix: It doesn’t always work. That’s right, Photoshop Elements might be magical, but it’s not infallible. Occasionally, the program finds an area in the image that it thinks is a red eye and “fixes” it, which is not so good if the area is actually supposed to be red. Other times, it inexplicably overlooks the huge case of red eye right in the middle of the picture. If Red Eye Fix doesn’t work for you, undo and switch to Full Edit mode so you can make the fix manually using the Red Eye Removal tool. We go over how to do that in Hour 13, “Removing Red Eye, Dust, and Scratches.”

**Lighting**

These Quick Fixes concentrate on adjusting the overall lightness of each image. You’re presented with different tools for fixing different problems; you can adjust highlights, the image’s brightest areas; shadows, the image’s darkest areas; or midtones, the areas that are in between. With the Lighting Quick Fixes, you can choose to work with one of these or all three at the same time.

**Light and Shadows**

The Quick Fixes found in the Lighting category are the same commands you’ll find in the Enhance menu’s Adjust Lighting submenu: Levels, Brightness/Contrast, and Shadows/Highlights. These three tools attempt to accomplish the same thing in three different ways.

- Levels remaps the darkest pixel in the image to true black and the lightest one to true white, spreading out all the ones in between. It can affect the picture’s overall color, so it’s useful primarily when the image has a color cast.

- Contrast does the same thing, only without affecting color. Use it when the picture’s color is just the way you want it, but you want to bump up the contrast between light and dark areas.

- Shadows/Highlights controls enable you to adjust a photo’s highlights, shadows, or midtones independently of each other. Lighten Shadows pulls more
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detail out of shadowed areas but leaves solid black areas alone; Darken Highlights adds more depth to bright areas but leaves solid white areas alone. Drag the Midtone Contrast slider to reduce or increase the contrast in medium areas.

Try it Yourself

Fix a Dark Photo

For this task, we use a photo that I took recently, one that really embodies the phrase “should have known better.” I wanted to capture the graceful Art Deco shape of the greyhound atop this standing ashtray, but I should have moved the whole thing away from the window before taking the shot. As it was, the bright back lighting really confused my camera’s flash; the area around the window is way too dark. Let’s see what we can do with this photo; it’s called ashtray.jpg, and you can download it from the book’s website at www.informit.com/title/9780672330179.

1. Locate the file in the Organizer or on your hard drive and open it.

2. In the View menu, choose Before & After: Horizontal or Before & After Vertical (see Figure 6.3). (If you have a widescreen monitor, the Horizontal view works particularly well.)

3. Let’s experiment. First, click the Auto Levels button. Clearly, that’s not the right tool to fix this image because it makes almost no change. Moving on....

FIGURE 6.3
Widescreen monitors really lend themselves to this kind of side-by-side image editing.
4. Now let's try clicking the Auto Contrast button. Still no improvement—there's already plenty of contrast in this picture, just not the kind we want.

5. Next, let's pull out my favorite tools in Photoshop or Photoshop Elements: Shadows/Highlights. We know the shadows in this picture are too dark, so start by dragging the Lighten Shadows slider to the right. Not too far; you don’t want to mess with the dark colors in the window frame and the ashtray base. The ideal amount of adjustment for this picture is about a third of the slider's total length.

6. Now let's see what happens if you pull the Darken Highlights slider about halfway to the right. You should see the tree outside the window solidify as some of its lightest leaves are darkened.

7. Finally, drag the Midtone Contrast slider just a bit to the left—not quite to the first tick mark on the line. Now you should be able to see more detail on the window frame and the ashtray base.

This photo's still far from perfect, but at least you can see the greyhound pretty well now (see Figure 6.4). I took the photo with the idea of re-creating the greyhound as line art for a T-shirt, so these fixes help a lot; now I’ll be able to redraw details such as the ribs and the mouth that weren't visible before.

**FIGURE 6.4**
A couple Smart Fixes really pull out the greyhound from the dark background so you can see its details.
If you've studied art, you might have run across the idea of defining colors in terms of their hue, their saturation (or intensity), and their brightness. And if you've never heard of this color model, you might want to stop off at the sidebar on this page, “Color Me Impressed,” and spend some time getting used to it.

**Color Me Impressed**

What better way to learn about how color works than to get your hands dirty with some paint—metaphorically, of course. To get a handle on how hue, saturation, and brightness work together, switch to Full Edit mode and click the Foreground color swatch in the toolbox to open the Color Picker (see Figure 6.5).

Choosing colors with the Color Picker is almost exactly like poking your fingers into a paint palette and mixing up just the shade you need. First, drag the slider on the rainbow-colored hue bar to choose the basic color you want. Then click around in the larger color field to choose darker, lighter, more intense, and less intense variations of that color. The color you’re mixing up is displayed as the top swatch next to the color slider, with the previous Foreground color swatch below it for comparison. As you move from left to right in the color field, your color choice becomes more saturated—basically, it moves farther from gray. And as you move from top to bottom, the color becomes darker.

Meanwhile, the numbers in the H, S, and B fields to the right of the color slider show you the actual mathematical values associated with each color you choose. Hue is measured in degrees; it’s often pictured as a rainbow-colored circle instead of a straight bar. True red is considered the zero point, so the number of degrees...
indicates how far around the circle your color is from red. A measurement of 180° gives you the opposite, or complement, of red, which is cyan (greenish blue).

Saturation and brightness are both measured in percentages. A saturation value of 0 gives you a color with no color in it—that is, a shade of gray. And brightness ranges from 0%, which is black, to 100%, which is white. Try clicking and dragging in the color field to see how the saturation and brightness numbers change as you move the cursor.

Feel free to experiment with the Color Picker until you feel you have a good understanding of how colors depend on these three attributes of hue, saturation, and brightness. Then you can move on to working with the Color Fixes.

**Working with the Components of Color**

We’ve already worked with brightness; the controls for that aspect of color are located in the Lighting Fixes section. So here, we’re able to modify a picture’s overall saturation and hue. Essentially, you increase saturation to improve faded colors, and you change the hue setting to fix a color cast.

The Color Fixes also include two specialized variations on the Hue slider: Temperature and Tint. Dragging the Temperature slider makes the image look warmer (more red) or cooler (more blue). When you have the color temperature where you want it, you can use the Tint slider to fine-tune the image’s color.

Let’s try these tools on a picture that can definitely use some help.

**Try it Yourself**

**Fix an Off-Color Photo**

The photo I’m using here is also on the book’s website, so you can download it and follow right along with me. I took it at one of my favorite New Orleans restaurants, Café Degas, and the file is called degas.jpg.

1. Find degas.jpg in the Organizer or on your hard drive, and open it.

2. Set your View menu preference, making sure you’re using one of the Before & After options so that you can see exactly what effect your modifications have on the picture.

3. Try dragging the Saturation slider just a bit to the right. This picture is already pretty highly saturated, but a bit more will just make the neon sign glow a touch more brightly.
4. Now experiment with the Hue slider. It provides some pretty neat special effects—I especially like the purple version of the image you can produce by dragging the slider about halfway to the left end—but it's not really improving the picture any. Click the Cancel button and move on.

5. The lighting in this scene didn't look orange when I was standing there, but it came out that way in the picture; this sort of color shift often occurs when you photograph artificial lights at night. Drag the Temperature slider to the left to eliminate that orange cast; make sure you move the slider well into the blue area of the bar.

6. Okay, the orange is gone, but now the image looks too green. That's what the Tint slider is for! Drag it rightward to about the three-quarters position, or even further, depending on where you placed the Temperature slider (see Figure 6.6, both here and in the color section). Watch the bushes (they should still be green) and the skin tones on the waiter's face (he's leaning in the doorway).

When you're done making these changes, you should see that the sky at the very top of the picture, above the restaurant's roof, is now a lovely midnight blue. If so, you're on the right track—that's exactly what color the sky was on that warm evening in the Crescent City.
Sharpen

The Sharpen slider is definitely not a panacea—it can’t restore details that weren’t part of a picture to begin with—but it can create the illusion of a sharper image. It’s more of that Photoshop Elements magic, and it’s based on some pretty heavy-duty math, combined with an old-time darkroom technique.

How Sharpening Works

Let’s start by reviewing the darkroom trick. It’s called unsharp masking, and it goes something like this:

1. Put the negative of your blurry picture on top of a glass plate, with unexposed film under the glass.

2. Make a copy of the negative on the new film, which gives you an inverted version of the negative—a positive. In addition to being inverted, the new copy is slightly distorted because the light that produced it had to pass through the glass plate.

3. So now you make a very short-exposure print of the positive. Then on the same paper you print the original negative.

What you get is an image with its edges highlighted because of the slight difference between the negative and the positive. And highlighted edges look sharper and more detailed.

Now let’s translate that into mathematical terms to see what Photoshop Elements does. On second thought, let’s not. Math is what computers do best, and we don’t need to know how it works to use unsharp masking with Photoshop Elements. All we need to do is use the Sharpen Quick Fix.

Try it Yourself

Fix a Blurry Photo

In this task, we use one more photo from the book’s website. It’s a shot I took at the Boston Flower Show a few years ago. Now, if you live in New England, this show is the place to go in March when you’ve had enough of winter and you’re craving green growing things. But it’s held in a big convention center, under artificial light, so colors in photos taken there tend to be, well, odd. I’ve taken care of that problem in this photo, which is called flowervase.jpg, but it’s still a little fuzzy. Let’s see if we can fix that.
1. Open `flowervase.jpg` and switch to the Editor’s Quick Fix mode (see Figure 6.7).

![FIGURE 6.7](image)

Sharpening is a tricky business; it’s so easy to oversharpen. Always use a light touch.

2. Adjust the View setting so you can see both the before and after versions of the picture; then take care of any lighting or color fixes you want to make for this image.

3. Drag the Sharpen slider to the right. How much? You have to judge for yourself. I like to take the slider all the way to the right, at which point I’m seeing all kinds of graininess and even sometimes bright halos around shapes. Then I back off until the image is as sharp as it can get without the extra grain and halos.

That’s it! Sharpening is probably the quickest of the Quick Fixes. Just remember to do your sharpening last so you don’t undo its effects by changing lighting or color settings.

Summary

Photoshop Elements Quick Fix mode works just as advertised: It’s quick, and it enables you to fix a wide variety of common image problems. In this hour, you adjusted shadows and highlights using the Lighting Fixes, removed a color cast using the Color Fixes, and restored detail to a blurry photo using the Sharpen Fix. In the next hour, you’ll learn how to use all the Photoshop Elements selection tools so that you can apply these and other fixes to selected parts of an image. You’ll also learn how you can use layers to keep image elements separate.
Q&A

Q. Can I use the Red Eye Quick Fix to fix “green eye” in animals?

A. Unfortunately, no, you can’t—it works only on specifically red areas. We look at ways to eliminate “green eye” later in the book, though.

Q. Why should I bother with the Editor’s Quick Fix mode when the Organizer has these handy Auto Fix buttons?

A. If you want to exercise any control over how much adjustment is applied, you need to skip the Auto Fixes and the Auto buttons and use the Quick Fix sliders in the Editor.

Workshop

You might find that Quick Fix doesn’t do what you want for every image you try it on, but you won’t find out unless you try. Answer the Quiz questions, and then use the Activities to get some experience with Quick Fix under your belt.

Quiz

1. Unsharp masking reduces the sharpness of an image by masking off parts of it.
   A. True
   B. False

2. Which of the following is not a component of color?
   A. Hue
   B. Brightness
   C. Shade
   D. Saturation

3. Which Quick Fix should you always do last?
   A. Red Eye
   B. Levels
   C. Saturation
   D. Sharpen
Quiz Answers

1. B. Unsharp masking actually uses a mask that covers everything but the edges within the image. Because of the mask, Photoshop Elements can increase the contrast on those edges without affecting the rest of the picture.

2. C. The color model we’re using in this hour is called HSB, for Hue, Saturation, and Brightness.

3. D. Photoshop Elements conveniently places the four Quick Fix categories in the appropriate order for applying them.

Activities

1. Go through your photo collection and find a photo that’s really dark. Experiment with the Lighting Quick Fixes until you find the best way to lighten the image. What happens when you lighten it too much?

2. Now try the same thing with a photo that’s overexposed (too light). Do you have the same degree of success? If not, why do you think that’s the case?
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