

The step-by-step secrets for how to make your photos look like the pros!

PART 1 PART 2 PART 3 PART 4 PART 5

The Digital Photography Book

THE BOXED SET



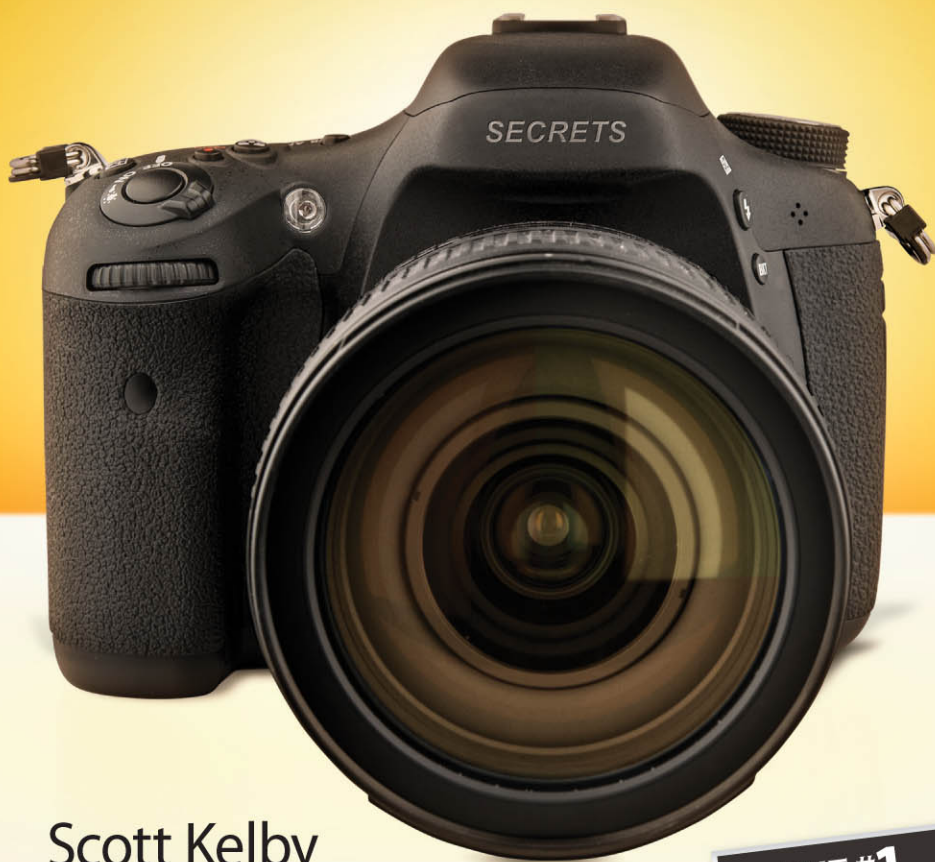
Scott Kelby

The

PART 1 • Second Edition

Digital Photography

The step-by-step secrets for how to
make your photos look like the pros! **Book**



Scott Kelby

**THE #1
TOP-SELLING
DIGITAL
PHOTOGRAPHY
BOOK EVER!**

The
**Digital
Photography**

The step-by-step secrets for how to
make your photos look like the pros! **Book**



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The Digital Photography Book, part 1

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*Dedicated to the amazing
Dr. Stephanie Van Zandt
for her excellent advice, for taking
such good care of my wife, and
for delivering the sweetest
little baby girl in the whole world.*

Acknowledgments

Although only one name appears on the spine of this book, it takes a team of dedicated and talented people to pull a project like this together. I'm not only delighted to be working with them, but I also get the honor and privilege of thanking them here.

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Other Books by Scott Kelby

The Digital Photography Book, parts 2, 3 & 4

Professional Portrait Retouching Techniques for Photographers Using Photoshop

Light It, Shoot It, Retouch It: Learn Step by Step How to Go from Empty Studio to Finished Image

The Adobe Photoshop Lightroom Book for Digital Photographers

The Adobe Photoshop Book for Digital Photographers

The Photoshop Elements Book for Digital Photographers

It's a Jesus Thing: The Book for Wanna Be-lievers

The iPhone Book

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CHAPTER ONE 1

Pro Tips for Getting Really Sharp Photos

If Your Photos Aren't Sharp, the Rest Doesn't Matter

The Real Secret to Getting Sharp Photos	2
The Other Most Important Secret	3
Perhaps Even More Important Than That!	4
If You Skip This, Throw Away Your Camera	5
If You Do This Wrong, It Will Lock Up	6
It's Time to Get Serious	7
Getting "Tack Sharp" Starts with a Tripod	8
A Ballhead Will Make Your Life Easier	9
Don't Press the Shutter (Use a Cable Release)	10
Forgot Your Cable Release? Use a Self Timer	11
Getting Super Sharp: Mirror Lock-Up	12
Turn Off Vibration Reduction (or IS)	13
Shoot at Your Lens' Sharpest Aperture	14
Good Glass Makes a Big Difference	15
Avoid Increasing Your ISO on a Tripod	16
Zoom In to Check Sharpness	17
Sharpening After the Fact in Photoshop	18
Did You Resize That for the Web? Then Resharpen!	19
Hand-Held Sharpness Trick	20
Getting Steadier Hand-Held Shots	21

CHAPTER TWO 23

Shooting Flowers Like a Pro

There's More to It Than You'd Think

Don't Shoot Down on Flowers	24
Shooting Flowers with a Zoom Lens	25
Use a Macro Lens to Get Really Close	26
Can't Afford a Macro? How 'bout a Close-Up?	27
When to Shoot Flowers	28
Don't Wait for Rain—Fake it!	29
Flowers on a Black Background	30
Flowers on a White Background	31
The Perfect Light for Indoor Flower Shots	32
Where to Get Great Flowers to Shoot	33
Stopping the Wind	34
Consider Just Showing One Part	35

CHAPTER THREE 37
Shooting Weddings Like a Pro*There Is No Retaking Wedding Photos.
It Has Got to Be Right the First Time!*

Tricks for Low-Light Shooting in a Church, Part 1	38
Tricks for Low-Light Shooting in a Church, Part 2	39
Do You Really Need the f/1.4 Lens?	40
Getting Soft, Diffused Light with Flash, Part 1	41
Getting Soft, Diffused Light with Flash, Part 2	42
Use Your Flash at Outdoor Weddings	43
Finding That Perfect Bridal Light	44
Don't Spend Too Much Time On the Formals	45
Formals: Who to Shoot First	46
Formals: Build Off the Bride and Groom	47
How to Pose the Bride with Other People	48
The Trick to Keeping Them from Blinking	49
Formals: Where to Aim	50
Formals: How High to Position Your Camera	51
Formals: Don't Cut Off Joints	52
Formals: The Trick to Great Backgrounds	53
Reception Photos: Making Them Dance	54
Your Main Job: Follow the Bride	55
Shooting the Details (& Which Ones to Shoot)	56
Change Your Vantage Point to Add Interest	57
What to Shoot with a Wide-Angle Lens	58
Keep Backup Memory Cards on You	59
Back Up Your Photos Onsite	60
If Shooting JPEGs, Use a Preset White Balance	61

CHAPTER FOUR 63
Shooting Landscapes Like a Pro*Pro Tips for Capturing the Wonder of Nature*

The Golden Rule of Landscape Photography	64
Become Married to Your Tripod	65
Shoot in Aperture Priority Mode	66
Composing Great Landscapes	67
The Trick to Shooting Waterfalls	68
A Tip for Shooting Forests	69
Where to Put the Horizon Line	70
Getting More Interesting Mountain Shots	71





The Trick for Warmer Sunrises and Sunsets	72
Turn on “The Blinkies” to Keep More Detail	73
How to Deal with the Dreaded Blinkies	74
How to Show Size	75
Don’t Set Up Your Tripod. Not Yet	76
The Trick to Getting Richer Colors	77
What to Shoot in Bad Weather	78
Atmosphere Is Your Friend	79
Getting Rid of Lens Flare—The Manual Way	80
The Landscape Photographer’s Secret Weapon	81
Keeping Your Horizons Straight	82
Shooting on Cloudy Days	83
Tips for Shooting Panoramas, Part 1	84
Tips for Shooting Panoramas, Part 2	85
Tips for Shooting Panoramas, Part 3	86
Faking Panoramas	87
Why You Need a Wide-Angle Lens	88
Want to Take Things Up a Notch? Shoot Low	89

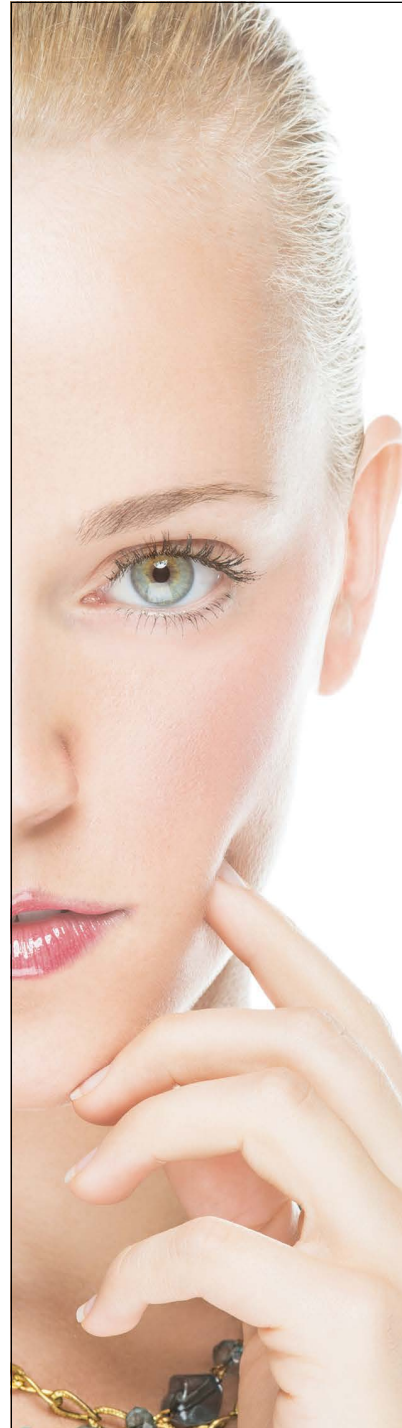
CHAPTER FIVE 91

Shooting Sports Like a Pro

Better Bring Your Checkbook

Pro Sports Shooting Is Dang Expensive	92
Which Lenses to Use	93
This Lens Rocks for the Money	94
Stability for Shooting Sports	95
Don’t Plan on Changing Lenses	96
Set Your White Balance for Indoor Sports	97
Shoot at a 1/1000 Sec. Shutter Speed or Faster	98
Shooting at Night or Indoors? Raise Your ISO!	99
Getting Burned by Indoor Lighting	100
Shoot Wide Open	101
Shooting in Burst Mode	102
RAW or JPEG for Sports Shooters?	103
Pan to Show Motion	104
Pre-Focus to Get the Shot	105
Shoot Vertically for More Impact	106
Don’t Be Afraid to Crop Your Photos	107
You Need Two Eyes and a Ball	108
Don’t Always Focus on the Winner	109
Composing for Sports	110
The Pros Know the Game	111

CHAPTER SIX	113
Shooting People Like a Pro	
<i>Tips for Making People Look Their Very Best</i>	
The Best Lens for Portrait Photography	114
Which Aperture to Use	115
Using Seamless Backgrounds	116
Using Canvas or Muslin Backgrounds	117
The Right Background Outdoors	118
Where to Focus	119
Where to Position Your Camera	120
Positioning Your Subject in the Frame	121
Tip for Framing Portraits	122
Getting Great Light Outdoors	123
Getting Great Light Indoors	124
Taking Great Photos of Newborn Babies	125
Great Sunset Portraits	126
Better Natural-Light Portraits with a Reflector	127
Aiming Your Reflector	128
Use a Reflector When the Lighting Is Flat	129
 CHAPTER SEVEN	 131
Avoiding Problems Like a Pro	
<i>How to Avoid Digital Headaches</i>	
Pro Tips to Avoid White Balance Problems	132
Cold Weather Shooting Means Extra Batteries	133
Don't Change Lenses in Dusty Weather	134
Apply for Permits to Shoot with Your Tripod	135
Be Careful What You Shoot	136
A Tip for Shooting on an Incline	137
The Other Reason Pros Use a Lens Hood	138
Keeping Your Lens Out of Trouble	139
Limit Your LCD Time to Save Battery Life	140
Bracket If You're Not Sure About Exposure	141
Avoid Red Eye	142
Remove Red Eye	143
 CHAPTER EIGHT	 145
Taking Advantage of Digital Like a Pro	
<i>It's More Than Just a Replacement for Film</i>	
Level the Playing Field: Press That Button	146
The LCD Monitor "Gotcha!"	147
Edit as You Shoot to Get More Keepers	148
Take Advantage of the Blinks	149





The Viewfinder “Border Patrol” Trap	150
No Penalty Fee for Experimenting	151
Don’t Cram Too Much on One Card	152
Take Advantage of Poster-Sized Printing	153
You’re Probably Going to Lose Your Lens Hood	154
Is It Better to Underexpose or Overexpose?	155
Keep from Accidentally Erasing Memory Cards	156
Which Brand of Camera Should You Buy?	157

CHAPTER NINE 159

Taking Travel & City Life Shots Like a Pro

Tips for Travel Photography

How to Be Ready for “The Shot”	160
Shoot Kids and Old People. It Can’t Miss	161
Hire a Model (It’s Cheaper Than You’d Think)	162
What Time to Shoot	163
Look for Bold, Vivid Colors	164
Shooting Travel? Visit 500px.com First	165
Don’t Try to Capture It All: Shoot the Details	166
The Best Shot May Be Just Three Feet Away	167
Shoot the Signs. You’ll Thank Yourself Later	168
Showing Movement in the City	169
For Maximum Impact, Look for Simplicity	170
The Monopod Scam	171
What to Do When It Has Been “Shot to Death”	172
Including the Moon and Keeping Detail	173
Shooting Fireworks	174
If You Have a Laptop, Take It With You	175
Want a Rooftop Shot of the City? Try This	176
Getting “Nearly Tourist-Free” Shots	177

CHAPTER TEN 179

How to Print Like a Pro and Other Cool Stuff

After All, It’s All About the Print!

The Advantages of Shooting in RAW	180
How to Process RAW Photos in Photoshop	181
Compare Your LCD to Your Computer Monitor	182

Organizing Your Photos with Lightroom	183
How Many More Megapixels Do You Need?	184
Printing Lab-Quality 8x10s	185
Printing Lab-Quality 13x19s	186
Printing 17x22s—The Pros' Choice	187
Which Paper Should You Print On?	188
What Determines Which Paper You Use?	189
Getting Your Monitor to Match Your Printer	190
Download the Color Profiles for Your Paper	191
Selling Your Photos as "Stock" Online	192
A Quick Peek at My Gear	193
There Are Three Other Books in This Series	194
Learn More with Me Each Week on <i>The Grid</i>	195

Chapter Eleven 197

Ten Things I Wish Someone Had Told Me

When I First Started Out in Photography

#1: Buying a More Expensive Camera Doesn't Necessarily Mean Better Photos	198
#2: You Need to Sharpen After the Fact	199
#3: The Pros Take Lots of Bad Photos	200
#4: Learn Exposure Compensation	201
#5: Don't Worry About Manual Mode	202
#6: Today You Should Probably Shoot Wide	203
#7: Nothing Has Impact Like a Print	204
#8: Ignore Your Histogram	205
#9: Figure Out What Type of Photographer You Are	206
#10: Do What It Takes to Get the Photos You Want	207
#11: You Need a Portfolio	208
#12: Stop Reading Books About Photography	209

CHAPTER TWELVE 211

Photo Recipes to Help You Get "The Shot"

The Simple Ingredients That Make It All Come Together

Index	227
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SHUTTER SPEED: 1/125 SEC

F-STOP: F/8

ISO: 100

FOCAL LENGTH: 70mm

PHOTOGRAPHER: SCOTT KELBY

Chapter Four

Shooting Landscapes Like a Pro

Pro Tips for Capturing the Wonder of Nature



If you ever get to shoot in some truly amazing outdoor locations, like the Grand Canyon or Yosemite National Park, it's really a very humbling photographic experience. The reason why is you're looking at this amazing vista, at the sheer grandeur of it all, and it looks so awe inspiring you'd figure a chimp could even take a great photo of it. I mean, it's just so spectacular, how could you mess it up? Then you set up your tripod, look in your viewfinder, and it happens—you begin to silently sob. You're sobbing because you bought all this expensive camera gear, with multiple camera bodies and lenses that cost more than a Toyota Prius hybrid, you've got more filters than a Ritz Camera store, and your camera bag weighs approximately 54 lbs. You saved all year, took your two-week vacation from work, bought round-trip airfare, and rented a huge SUV big enough to haul you, your family, and all your expensive gear out into the sweltering summer heat of the canyon. Now you're looking through your viewfinder and what you see doesn't look half as good as the stinkin' postcards in the park's gift shop that sell for \$1.25 each. Tears begin to stream down your face as you realize that you're not going to get the shot you came for. And whose fault is all this? Ansel Adams—that's who. He screwed up the Grand Canyon, Yosemite, and a dozen other locations for us all. But even though we're not Ansel Adams, we can surely get better photos than the ones in the gift shop, right? Well, it starts with reading this chapter. Hey, it's a start.

The Golden Rule of Landscape Photography



LOCATION: MONTEREY, CA

There's a golden rule of landscape photography, and you can follow every tip in this chapter, but without *strictly* following this rule, you'll never get the results the top pros do. As a landscape photographer, you can only shoot two times a day: (1) Dawn. You can shoot about 15 to 30 minutes before sunrise, and then from 30 minutes to an hour (depending on how harsh the light becomes) afterward. The only other time you can shoot is (2) dusk. You can shoot from 15 to 30 minutes before sunset, and up to 30 minutes afterward. Why only these two times? Because that's the rule. Okay, there's more to it than that. These are the only times of day when you get the soft, warm light and soft shadows that give professional quality lighting for landscapes. How stringent is this rule? I'll never forget the time I was doing a Q&A session for professional photographers. The other instructor was legendary *National Geographic* photographer Joe McNally. A man in the crowd asked Joe, "Can you really only shoot at dawn and dusk?" Joe quietly took his tripod and beat that man to death. Okay, that's an exaggeration, but what Joe said has always stuck with me. He said that today's photo editors (at the big magazines) feel so strongly about this that they won't even consider looking at any of his, or any other photographer's, landscape work if it's not shot at dawn or dusk. He also said that if he takes them a shot and says, "Look, it wasn't taken during those magic hours, but the shot is amazing," they'll still refuse to even look at it. The point is, professional landscape photographers shoot at those two times of day, and only those two times. If you want pro results, those are the only times you'll be shooting, too.

Become Married to Your Tripod



Okay, so now you know that as a pro landscape shooter your life is going to be like this: you get up before dawn, and you miss dinner about every evening (remember, there's no shame in coming to dinner late). If you're okay with all that, then it's time to tell you the other harsh reality—since you'll be shooting in low light all the time, you'll be shooting on a tripod all the time. Every time. Always. There is no hand-holding in the professional landscape photography world. Now, I must warn you, you will sometimes find landscape photographers out there at dawn some mornings shooting the same thing you are, and they're hand-holding their cameras. They don't know it yet, but once they open their photos in Photoshop, they are going to have the blurriest, best-lit, out-of-focus shots you've ever seen. Now, what can you do to help these poor hapless souls? Quietly, take your tripod and beat them to death. Hey, it's what Joe McNally would do. (Kidding. Kind of.)

TRIPODS: THE CARBON FIBER ADVANTAGE

The hottest thing right now in tripods is carbon fiber. Tripods made with carbon fiber have two distinct advantages: (1) they're much lighter in weight than conventional metal tripods without giving up any strength or stability, and (2) carbon fiber doesn't resonate like metal, so you have less chance of vibration. However, there's a downside: as you might expect, they're not cheap.

Composing Great Landscapes



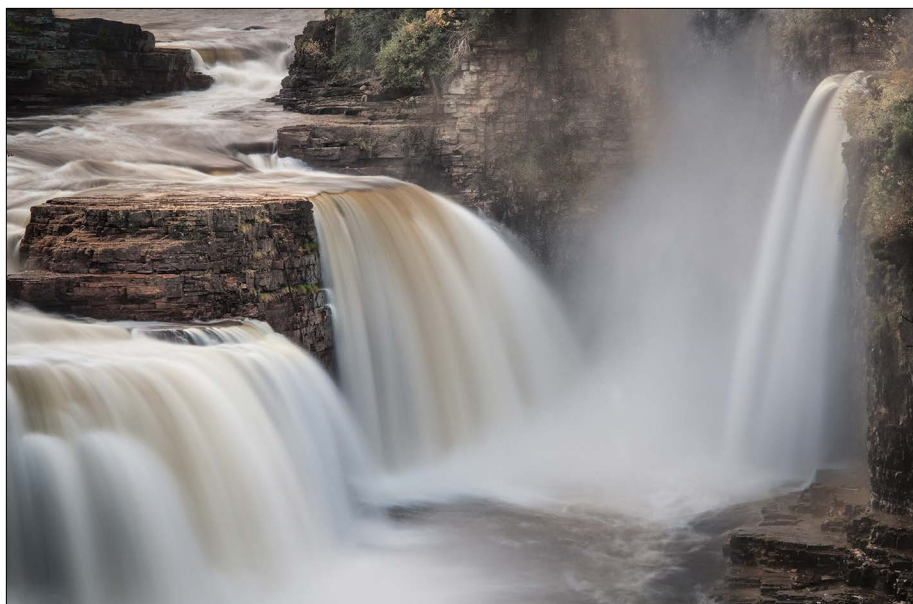
LOCATION: LAKE LOUISE, BANFF NATIONAL PARK, CANADA

The next time you pick up a great travel magazine that features landscape photography or look at some of the work from the masters in digital landscape photography, like David Muench, Moose Peterson, Stephen Johnson, Bill Fortney, and John Shaw, take a moment to study some of their wonderful, sweeping images. One thing you'll find that most have in common is that these landscape shots have three distinct things: (1) A foreground. If shooting a sunset, the shot doesn't start in the water—it starts on the beach. The beach is the foreground. (2) They have a middle ground. In the case of a sunset shot, this would be either the ocean reflecting the sun, or in some cases it can be the sun itself. And lastly, (3) they have a background. In the sunset case, the clouds and the sky. All three elements are there, and you need all three to make a really compelling landscape shot. The next time you're out shooting, ask yourself, "Where's my foreground?" (because that's the one most amateurs seem to forget—their shots are all middle and background). Keeping all three in mind when shooting will help you tell your story, lead the eye, and give your landscape shots more depth.

ANOTHER ADVANTAGE OF SHOOTING AT DAWN

Another advantage of shooting at dawn (rather than at sunset) is that water (in ponds, lakes, bays, etc.) is more still at dawn because there's usually less wind in the morning than in the late afternoon. So, if you're looking for that glassy mirror-like reflection in the lake, you've got a much better shot at getting that effect at dawn than you do at dusk.

The Trick to Shooting Waterfalls



LOCATION: AUSABLE CHASM, NY

Want to get that silky waterfall or that stream effect you see in those pro photos? The secret is leaving your shutter open (for at least a second or two), so the water moves while everything else (the rocks and trees around the waterfall or stream) remains still. Here's what you do: switch your digital camera to shutter priority mode (the S or Tv on your camera's mode dial), and set the shutter speed to 1 or 2 full seconds. Now, even if you're shooting this waterfall on a bit of an overcast day, leaving your shutter open for a few seconds will let way too much light in, and all you'll get is a solid white, completely blown-out photo. That's why the pros do one of two things: (1) They shoot these waterfalls at or before sunrise, or just after sunset, when there is much less light. Or they (2) use a stop-down filter. This is a special darkening filter that screws onto your lens that is so dark it shuts out most of the light coming into your camera. That way, you can leave the shutter open for a few seconds. Such little light comes in that it doesn't totally blow out your photo, and you wind up with a properly exposed photo with lots of glorious silky water. Now, if you don't have a stop-down filter and you run across a waterfall or stream that's deep in the woods (and deep in the shade), you can still get the effect by trying this: put your camera on a tripod, go to aperture priority mode, and set your aperture to the biggest number your lens will allow (probably either f/22 or f/36). This leaves your shutter open longer than usual (but that's okay, you're in deep shade, right?), and you'll get that same silky-looking water.

A Tip for Shooting Forests



LOCATION: MAUI, HI

Want a great tip for shooting forest scenes? Don't include the ground in your shots. That's right, the ground in the forest is often surprisingly messy (with dead branches, and leaves, and a really cluttered look) and that's why so many pro forest shots don't include the ground—it distracts from the beauty of the trees. So, easy enough—frame your shots so they don't include the ground, and you're shooting better forest shots right off the bat. Now, if the ground looks good, then by all means include it, but if it's a mess, you've got a way to save the shot. Here's another forest shooting tip: overcast days are great for shooting forests because it's difficult to get a decent forest shot in bright, harsh sunlight. However, there is one exception to this rule: if there's "atmosphere" (fog or mist) in the forest on bright days, the sun's rays cutting through the fog or mist can be spectacular.

THIS ISN'T A FOREST TIP. IT'S FOR WATERFALLS

So why is this tip here instead of on the waterfalls page? I ran out of room on that page. The tip is this: when shooting waterfalls, if you don't have a stop-down filter, then you can try putting your polarizing filter on instead. This serves two purposes: (1) it cuts the reflections in the waterfall and on the rocks, and (2) since it darkens, it can eat up about two stops of light for you, so you can shoot longer exposures with it than you could without it. Also, choosing slower shutter speeds exaggerates the silky water effect, so try a few different shutter speeds (4 seconds, 6 seconds, 10 seconds, etc.) and see which one gives you the best effect for what you're currently shooting.

Where to Put the Horizon Line



LOCATION: MONUMENT VALLEY NAVAJO TRIBAL PARK, MONUMENT VALLEY, UT

When it comes to the question of “Where do I place the horizon?” the answer is pretty easy. Don’t take the amateur route and always place the horizon in the dead center of the photo, or your landscape shots will always look like snapshots. Instead, decide which thing you want to emphasize—the sky or the ground. If you have a great-looking sky, then put your horizon at the bottom third of your photo (which will give you much more emphasis on the sky). If the ground looks interesting, then make that the star of your photo and place the horizon at the top third of your photo. This puts the emphasis on the ground, and most importantly, either one of these methods will keep your horizon out of the center, which will give your shots more depth and interest.

REALLY BORING SKY? BREAK THE RULE

If you’re shooting a landscape shot with a sky where nothing’s really happening, you can break the 1/3 from the top horizon line rule and eliminate as much of the sky from view as possible. Make it 7/8 ground and 1/8 sky, so the attention is totally off the sky, and onto the more interesting foreground.

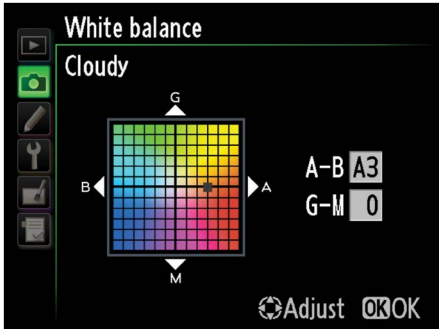
Getting More Interesting Mountain Shots



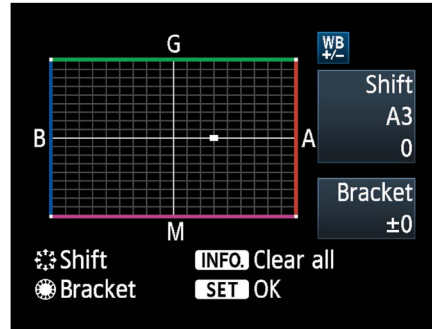
LOCATION: CANYONLANDS NATIONAL PARK, MOAB, UT

One theme you'll see again and again throughout this book is to shoot from angles we don't see every day. For example, if your subject is mountains, don't shoot them from the road at the bottom of the mountain. This is exactly how we see mountains every day when we drive by them on the interstate, so if you shoot them like that (from the ground looking up), you'll create shots that look very normal and average. If you want to create mountain shots that have real interest, give people a view they don't normally see—shoot from up high. Either drive up as high as you can on the mountain, or hike up as high as is safe, then set up your camera and shoot down on or across the mountains. (This is the same theory as not shooting down on flowers. We don't shoot down on flowers because that's the view we normally have of them. In turn, we don't shoot up at mountains, because we always see them from that same view. It's boring, regular, and doesn't show your viewer something they haven't seen a hundred times before.)

The Trick for Warmer Sunrises and Sunsets



Nikon



Canon

Here's a trick I picked up from Bill Fortney for getting even warmer sunrises and sunsets: For Nikon shooters, go to your camera's Shooting menu and choose Cloudy as your white balance. Press the right arrow button to get the White Balance Cloudy submenu, and move the dot in the middle of the grid to the right three spots (to A3), and then click OK. This does an amazing job of warming these types of photos. If you're a Canon shooter, go to your camera's menu and choose Cloudy as your white balance. Go back to the menu, select WB SHIFT/BKT, move the dot in the middle of the grid to the right three spots (to A3), and then press the Set button. *Note:* Don't forget to turn this setting off when you're not shooting sunrises or sunsets. Okay, it wouldn't be the worst thing in the world (it won't ruin all your subsequent shots), but your world will be a little warmer.

Turn on “The Blinkies” to Keep More Detail



Okay, they're technically not called “the blinkies” (that’s our nickname for them), they’re actually called highlight warnings (or highlight alerts) and having this turned on, and adjusting for it, is a critical part of getting properly exposed landscape shots. This warning shows exactly which parts of your photo have been overexposed to the point that there’s no detail in those areas at all. You’ll be amazed at how often this happens. For example, even on an overcast day, clouds can blow out (turn solid white with no detail) easily, so we keep our camera’s highlight warning turned on. Here’s how it works: When the highlight warning is turned on and you look at the shot in your LCD monitor, those blown out areas will start to blink like a slow strobe light. Now, these blinkies aren’t always bad— if you shoot a shot where the sun is clearly visible, it’s going to have the blinkies (I don’t mean sunlight, I mean the red ball of the sun). There’s not much detail on the surface of the sun, so I’d let that go. However, if your clouds have the blinkies, that’s a different story. Probably the quickest way to adjust for this is to use your camera’s exposure compensation control (covered on the next page). For now, let’s focus on making sure your highlight warning (blinkies) is turned on. If you have a Nikon camera, press the playback button so you can see the photos on your memory card. Now, push the down arrow button to see file information, then the right arrow button until the word Highlights appears below your photo on the LCD monitor. If you have a Canon camera, press the playback button to view your images and then press the Info button to see the blinkies.

How to Deal with the Dreaded Blinkies



If you look on your camera's LCD monitor and you see the blinkies appearing in an area that's important to you (like in the clouds, or in someone's white shirt, or in the snow, etc.), then you can use your digital camera's exposure compensation control. Basically, you're going to lower the exposure until the blinkies go away. It usually takes a few test shots (trial and error) to find out how much you have to back down, but normally this only takes a few seconds. Here's how it works:

Nikon: Press the exposure compensation button that appears just behind your shutter button (as shown above). Then move the command dial until your exposure compensation reads $-1/3$ (that's minus $1/3$ of a stop). Now take the same shot again and see if the blinkies are gone. If they're not, do the same thing, but lower the amount another $1/3$, so it reads $-2/3$ of a stop, and so on, until the blinkies are gone.

Canon: Turn the mode dial to any creative zone mode except manual, turn the power switch to the quick control dial setting, then set the exposure compensation by turning the quick control dial on the back of the camera and using the settings mentioned above.

How to Show Size



©ISTOCKPHOTO/JIM VELLEUX

If you've ever had a chance to photograph something like the California redwood trees or a huge rock formation out in Utah's Monument Valley, you've probably been disappointed that when you looked at those photos later, you lost all sense of their size. In person, those redwoods were wider around than a truck. In your photos, they could've been the regular pines in your backyard, because they lost their sense of size. That's why, when trying to show the size of an object, you need something in that shot to give the object a sense of scale. That's why many photographers prefer to shoot mountains with people in the scene (hikers, climbers, etc.) because it instantly gives you a frame of reference—a sense of scale that lets the viewer immediately have a visual gauge as to how large a mountain, or a redwood, or the world's largest pine cone really is. So, the next time you want to show the sheer size of something, simply add a person or a familiar object to your shot and you've got an instant frame of reference everyone can identify with. It'll make your shots that much stronger. (*Note:* By the way, this also works for things that are very small. Put the object in someone's hands, and it instantly tells the story.)

Don't Set Up Your Tripod. Not Yet



Okay, so you walk up on a scene (a landscape, a mountain range, a waterfall, etc.) and you set up your tripod and start shooting. What are the chances that you just happened to walk up on the perfect angle to shoot your subject? Pretty slim. But that's what most people do—they walk up on a scene, set up their tripod right where they're standing, and they start shooting. It's no big surprise that they wind up with the same shot everybody else got—the “walk-up” shot. Don't fall into this trap: before you set up your tripod, take a moment and simply walk around. View your subject from different angles, and chances are (in fact, it's almost guaranteed) that you'll find a more interesting perspective in just a minute or two. Also, hand-hold your camera and look through the viewfinder to test your angle out. Once you've found the perfect angle (and not just the most convenient one), you can then set up your tripod and start shooting. Now the odds are in your favor for getting a better than average take on your subject. This is one of the big secrets the pros use every day (legendary landscape photographer John Shaw has been teaching this concept for years)—they don't take the walk-up shot. They first survey the scene, look for the best angle, the best view, the interesting vantage point, and then (and only then) they set up their tripod. It sounds like a little thing (surveying the scene before you set up), but it's the little things that set the pros apart.

The Trick to Getting Richer Colors



One tool the pros use to get richer, more vivid colors is the polarizing filter. Of all the add-ons used by landscape pros, the polarizing filter is probably the most essential. This filter screws onto the end of your lens and it basically does two things: (1) it cuts the reflections in your photo big time (especially in water, on rocks, or on any reflective surface), and (2) it can often add more rich blues into your skies by darkening them and generally giving you more saturated colors throughout (and who doesn't want that?). Two tips: (1) polarizers have the most effect when you're shooting at a 90° angle from the sun, so if the sun is in front of you or behind you, they don't work all that well, and (2) you'll use the rotating ring on the filter to vary the amount (and angle) of polarization (it's also helpful so you can choose to remove reflections from either your sky or the ground). Once you see for yourself the difference a polarizing filter makes, you'll say something along the lines of, "Ahhhh, so that's how they do it."

POLARIZING TIP

If there's a lens the polarizing filter doesn't love, it's the super-wide-angle lens (like a 12mm or 10.5mm, etc.). Because the field of view is so wide, the sky winds up having uneven shades of blue, and because of that, many pros avoid using polarizers with super-wide-angle lenses. Also, when it comes to polarizers, it pays to buy a good one—that way it will be truly color balanced. It doesn't pay to scrimp here.

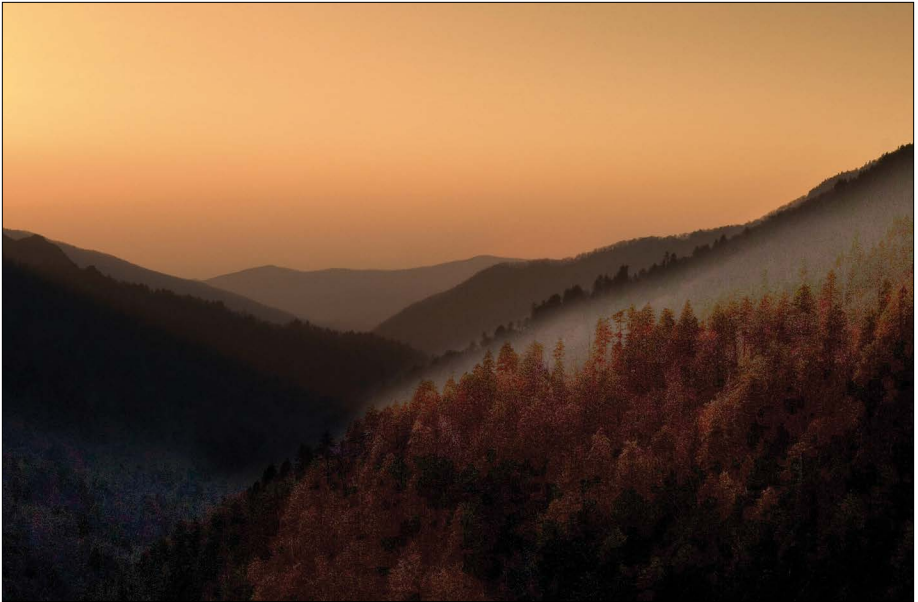
What to Shoot in Bad Weather



Okay, so you're thinking that it's an overcast or drizzly day, and you're going to spend the day inside working on your photos in Photoshop. That's not the worst idea in the world, but you'll miss some great shooting opportunities, like:

- (1) **Right after a rain**, while it's still cloudy and dark, is the perfect time to shoot foliage, forests (the green leaves look more saturated and alive, even leaves on the ground look good, plus the water droplets on the leaves and flowers add interest), mossy rivers, and waterfalls (you can use slower shutter speeds while the sun is buried behind the overcast rain clouds).
- (2) **If it's storming**, there's a good chance that right after the rain stops, and the clouds break, and the sun peeks through, there's a very dramatic shot coming. It may only last a couple of minutes, and it will either start storming again or clear up and just get really sunny (an outdoor photographer's enemy), so be ready for those few magical moments between storms. They're worth waiting for.
- (3) **Before the storm "lets loose,"** you can get some really amazing skies, with angry clouds and sometimes colorful light or strong light beams. Most people miss these shots, so be ready (just don't shoot in the rain, to protect you and your gear).

Atmosphere Is Your Friend



LOCATION: GREAT SMOKY MOUNTAINS NATIONAL PARK, TN

Besides just keeping us here on earth, the atmosphere (low-hanging clouds or fog) can make for some really interesting landscape photos (we're talking soft, diffused light heaven). In fact, some of my personal favorite shots are taken when the fog rolls in between mountains (but, of course, you need to shoot this from above the fog on a higher mountaintop). I've shot horses on the beach with the fog rolling in and it creates almost a Hollywood fantasy effect that looks great on film (digital film, anyway). Also, beams of light in the forest, beaming through moisture in the air, or through thick fog, can be just amazing. Get up early (or miss dinner) to make the most of these atmospheric effects.

PROTECT YOUR GEAR TIP

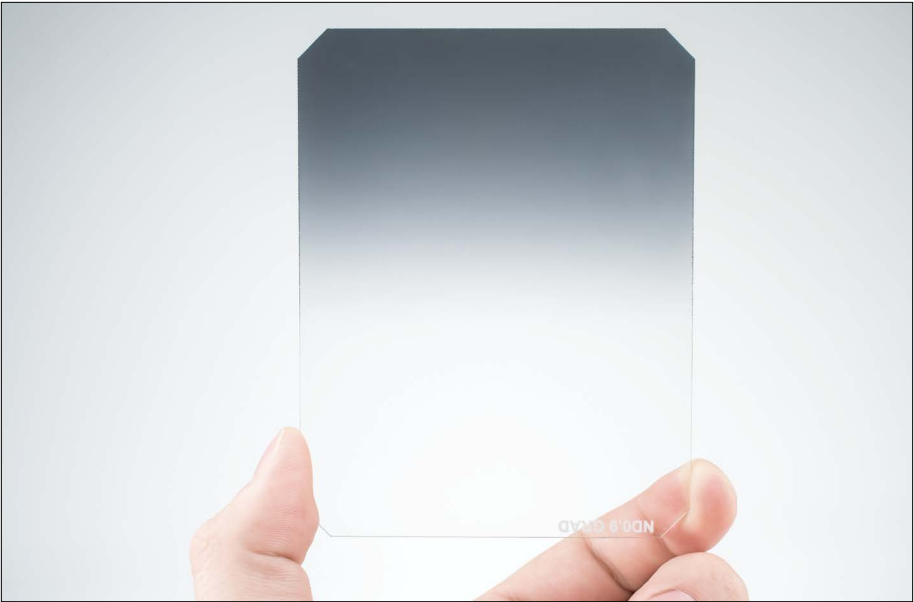
Fog and moisture are fancy names for water, and digital cameras flat out do not like water, so make sure your gear is not getting silently soaked. You can buy rain gear for your camera from B&H, but in a pinch, use the shower cap from your hotel room and put it around your camera—it's not pretty, but it works.

Getting Rid of Lens Flare—The Manual Way



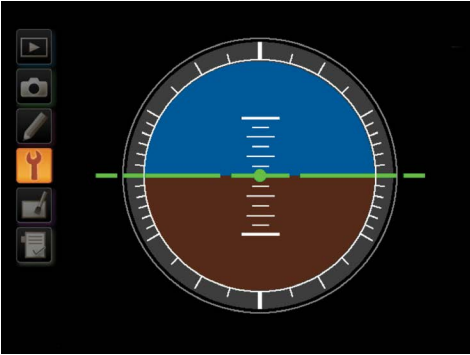
Another great reason to wear a baseball cap when you shoot (besides the two obvious reasons: [1] it protects you from the harmful rays of the sun, and [2] it looks cool) is to help eliminate (or at the very least, reduce) lens flare. If you're using a lens hood on your camera, that can certainly help, but I've found that often it alone is not enough. That's where your ballcap comes in—just take it off and position it above the right or left top side of your lens (depending on where the sun is positioned). Then look through your camera's viewfinder to see (1) right where to position your ballcap so it blocks the lens flare from the sun (it's easier than you think), and (2) to make sure your ballcap doesn't show up in your photo (I've had more than one photo with the edge of a ballcap in the frame. I guess that's why they make Photoshop—to remove silly stuff like that). I'm still surprised how well this totally manual technique for removing lens flare works.

The Landscape Photographer's Secret Weapon



So, earlier you learned about the polarizer and how essential that filter is. This filter, the neutral density gradient filter, isn't necessarily essential but it is the secret weapon of professional landscape photographers. It lets them balance the exposure between the ground and the sky to capture a range of exposure which, without it, their camera could never pull off (it's either going to expose for the ground or for the sky, but not both at the same time). For example, let's say you're shooting a landscape at sunset. If you expose for the sky, the sky will look great but the ground will be way too dark. If you expose for the ground, then the sky will be way too light. So, how do you get both the sky and the ground to look right? With a neutral density gradient filter (a filter that's dark at the top and smoothly graduates down to transparent at the bottom). What this essentially does is darkens the sky (which would have been overexposed), while leaving the ground untouched, but the brilliance of it is the gradient—it moves from darkening (at the top of the filter) and then graduates smoothly down to transparent. That way it only darkens the sky, but it does so in a way that makes the top of the sky darker, and then your sky gradually becomes lighter until the filter has no effect at all by the time it reaches the ground. The result is a photo where both the sky and ground look properly exposed.

Keeping Your Horizons Straight



There is nothing that looks worse than a crooked horizon line. It's like when you don't get the fleshtone color right in a photo—it just jumps out at people (and people can't resist pointing this out. It doesn't matter if you've taken a photo with composition that would make Ansel Adams proud, they'll immediately say, "Your photo's crooked"). A great way to avoid this is by using the Virtual Horizon feature on your camera (if your camera has this feature, like the Nikon D600 shown above on the left) or with a double level—a simple little gizmo that slides into your flash hot shoe (that little bracket on the top of your camera where you'd attach an external flash). This double level gizmo has a mini-version of the bubble level you'd find at Home Depot and it lets you clearly see, in an instant, if your camera is level (and thus, your horizon line). The double level version works whether your camera is shooting in portrait or landscape orientation and is worth its weight in gold (of course, that's not saying very much, because I doubt the thing weighs even one ounce, but you get my drift). As luck would have it, they're more expensive than they should be—between \$25 and \$80—but still very worth it.

Shooting on Cloudy Days



LOCATION: TORC WATERFALL, KILLARNEY NATIONAL PARK, IRELAND

This is another one of those things that may initially elicit a “Duh” response, but I’ve been out shooting with more photographers than I can think of who didn’t think of this simple concept when shooting on gray, overcast days—shoot to avoid the sky. I know, it sounds silly when you’re reading it here, but I’ve heard it time and time again, “Ah, the sky is so gray today, I’m not going to shoot.” Baloney. Just take shots that limit the amount of visible sky. That way, if you make a tonal adjustment later in Photoshop (that’s a fancy way of saying, “I’m going to make the sky look bluer than it really was on that gray, overcast day”), you won’t have to work very hard. This just happened on my last shoot, where we’d have 20 minutes of blue sky and then an hour and a half of gray, overcast sky. I just really limited the amount of sky in my photos (I was shooting urban city photos), and then it took just seconds to fix in Photoshop. Here’s what I did:

- Step One:** I opened one of the photos where the sky looked nice and blue, then took the Eyedropper tool (I), and clicked on the blue sky to make that my Foreground color.
- Step Two:** I then opened a photo with small amounts of gray, overcast sky and with the Magic Wand tool (W) clicked in the sky to select it (which took all of two seconds).
- Step Three:** I added a new blank layer above my Background layer and filled the selection with my Foreground color. That’s it—my gray sky was blue.

Tips for Shooting Panoramas, Part 1



MIKE KUBEISY

There is something so fascinating about what happens when you stitch together five or six (or more) landscape photos into one long, single image. It's as close as you can get (with a photograph anyway) to recreating the experience of being there. Now, although this will take more than one page to describe, shooting panos right is easy, so if you're serious about panos, follow these rules. However, if you have Photoshop CS4 or higher (or Elements 6 or higher), Photomerge is so vastly improved, you can simply just overlap each shot by 20% when you shoot your pano.

- (1) **Shoot your pano on a tripod.** (Note: Panos work best shot on a tripod, and if you're shooting at sunrise or sunset, they're a must. That being said, you can shoot handheld if the light is bright enough, like if you're shooting in daylight or really bright cloudy light.)
- (2) **Shoot vertically** (in portrait orientation) rather than horizontally (in landscape orientation). It'll take more shots to cover the same area, but you'll have less edge distortion and a better looking pano for your extra effort.
- (3) **Switch your camera's white balance to Cloudy.** If you leave it set to Auto, your white balance may (will) change between segments, which is bad, bad, bad.
- (4) **There's more**—go to the next page...

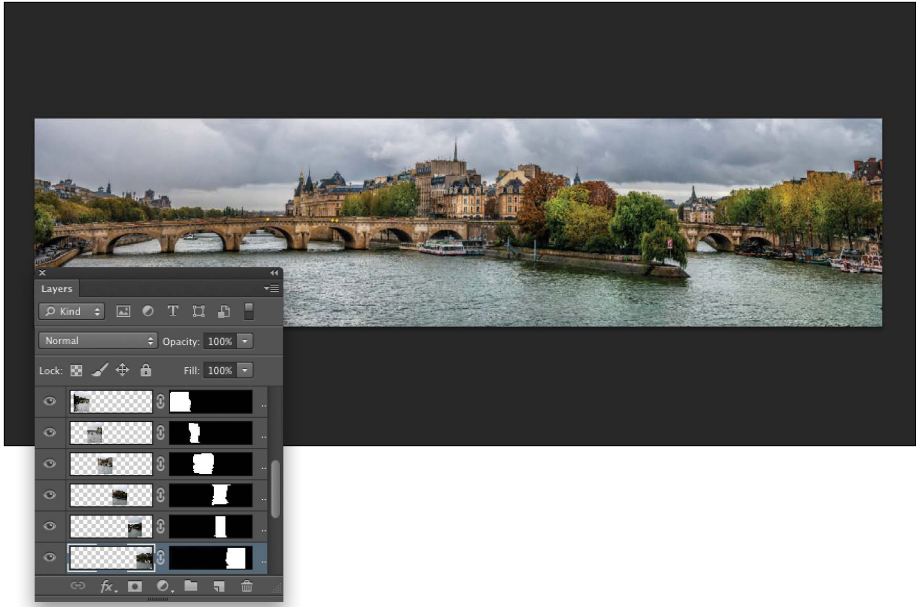
Tips for Shooting Panoramas, Part 2



MIKE KUBEISY

- (5) **Press your shutter button halfway down** to set your exposure, then look in your viewfinder and make note of the f-stop and shutter speed. Now switch your camera to manual mode and dial in that f-stop and shutter speed. If you don't, and you shoot in an auto exposure mode of any kind, your exposure may (will) change for one or more of the segments.
- (6) **Once you focus on the first segment**, turn off auto focus for your lens. That way, your camera doesn't refocus as you shoot the different segments.
- (7) **Overlap each segment by 20–25%**. That's right, make sure that about 1/4 of your first shot appears in the second shot. Each segment needs to overlap by at least 20% so Photoshop's stitching software can match things up. This is very important.
- (8) **Shoot fairly quickly**—especially if clouds are moving behind your landscape. Don't be lollygagging for two minutes between each shot. Git'er done, or something could change (lighting, clouds, etc.) in your pano, which will really mess things up.
- (9) **Use a shutter release**, or at the very least a self timer, so you don't have any camera movement as you're shooting each segment. Nothing's worse than one segment that is blurry.

Tips for Shooting Panoramas, Part 3



LOCATION: SEINE RIVER AND ÎLE DE LA CITÉ, PARIS, FRANCE

Now, if you followed the rules set out on the previous two pages, the rest is easy:

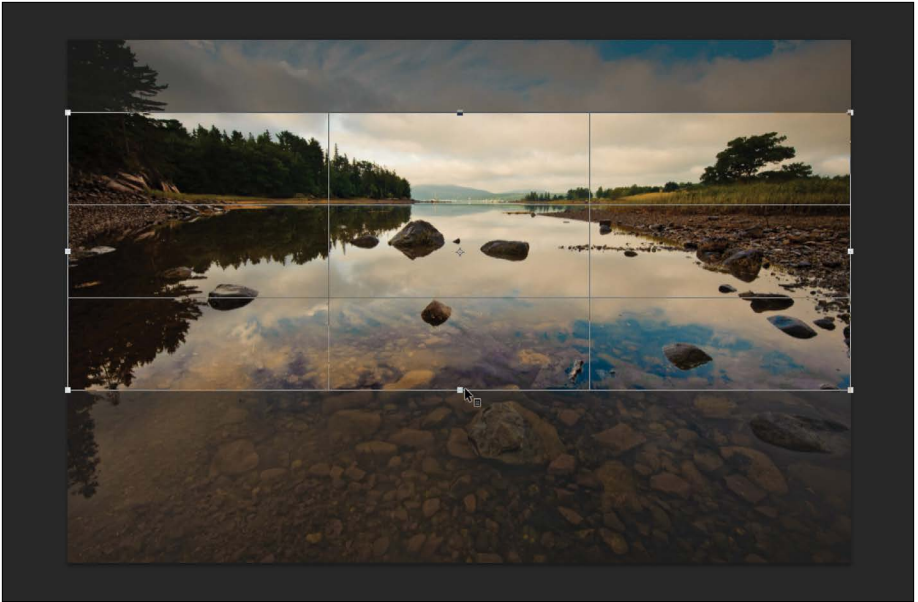
Step One: Open Photoshop and then go under Photoshop's File menu, under Automate, and choose Photomerge.

Step Two: In the resulting dialog, click the Browse button in the center, navigate to your pano photo segments, choose them all, and click Open.

Step Three: At the bottom of the Source Files section, make sure the Blend Images Together checkbox is turned on and turn on Vignette Removal. Leave the Layout set to Auto and click OK.

Step Four: Photoshop will then stitch the photos together into one seamless panorama (you may need to crop off any transparent areas). If you see a small seam at the top, between two segments, use the Clone Stamp tool (S) to cover it by pressing-and-holding the Option (PC: Alt) key and clicking in a nearby area of sky that looks similar to sample that area. Then, choose a soft-edged brush from the Brush Picker and clone (paint) over the little seam to hide it. If you still have some gaps in the corners, select them, then go under the Edit menu and choose Fill. In the Fill dialog, change the Use pop-up menu to Content-Aware and click OK. Use the Clone Stamp tool to clean up any problems.

Faking Panoramas



If you have Photoshop or Photoshop Elements, there's a great way to create a fake panorama: crop the photo so it becomes a panorama. Just get the Crop tool (C) and click-and-drag so it selects only the center of your photo, cropping off the top and bottom (as shown above). Then press Return (PC: Enter) and the top and bottom are cropped away, leaving you with a wide panoramic crop of your original photo. Hey, don't knock it until you've tried it.

Why You Need a Wide-Angle Lens



If you're shooting landscapes, you've probably come back from a shoot more than once and been disappointed that the incredible vista you saw in person didn't transfer to your photos. It's really tough to create a 2D photo (which is what still photos are—two-dimensional) that has the depth and feeling of being there. That's why I recommend one of two things:

- (1) **Don't try to capture it all.** That's right, use a zoom lens and deliberately capture just a portion of the scene that suggests the whole. These can often be much more powerful than trying to fit everything into one photo, which can lead to a photo without a clear subject, and with distracting images and backgrounds. This is why I often shoot with a 70–200mm lens—to get in tight on a portion of the scene.
- (2) **Buy a super-wide-angle lens.** Not a fish-eye lens—a super-wide-angle (like a 12mm). If you're trying to capture it all, a super-wide-angle (sometimes called ultra-wide-angle) lens is often just the trick you need to take in the big picture. My favorite outdoor lens is my 14–24mm zoom lens (which is also a good sports shooting lens, by the way). I must admit, I rarely use the 24mm end, because I use this lens when I'm trying to get "the big picture," so I use the 14mm end most of the time. You'll love what it does to clouds, almost giving them a sense of movement along the edges.

Want to Take Things Up a Notch? Shoot Low



When you're setting up your tripod at some famous landscape location, look at all the other people setting up their tripods. What do they all have in common (take a look at the image on page 65 again)? They're all standing behind their tripods, right? So, what's about to happen? They're all about to take a shot with pretty much the same vantage point and perspective. So, how do you make yours have more impact and stand out? Shoot down low. That's right—rather than extending the legs of your tripod all the way out, set up your tripod fairly low to the ground, to where you'll be shooting either sitting down or kneeling down (in some situations you might even want to lay down). This will give you a different perspective and it will accentuate the foreground. These two will often give your images more impact. Remember, if you just do what everybody else is doing, your shots will pretty much look like those of everybody else shooting right beside you. This is one way to tip the scales in your favor.

WHAT TO DO IF THE COLOR IN YOUR SHOT DOESN'T LOOK GOOD

Okay, this one's an "if all else fails" tip, but if you have a landscape shot that is well composed, and otherwise looks good, but the color is kind of lame, consider converting the image to black and white (using Photoshop, Elements, Lightroom, etc.). This can sometimes save a shot that has a lot going for it photographically, but the color just isn't compelling. Hey, it's worth a try.

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Index

1.4x teleconverter, 93, 94

7/8 portraits, 51

8x10" prints, 185

13x19" prints, 186

17x22" prints, 187

500px.com website, 165, 208

A

about this book, 2, 7

accessories. *See camera gear*

action photography

burst mode for, 102

freezing motion in, 98, 216

panning motion in, 104

pre-focusing in, 105

See also sports photography

Adams, Ansel, 63, 82

Adler, Lindsay, 195

Adobe Camera Raw. *See Camera Raw*

Adobe Photoshop. *See Photoshop*

Adobe Photoshop Book for Digital Photographers, The (Kelby), 181

Adobe Photoshop Elements. *See Photoshop Elements*

Adobe Photoshop Lightroom. *See Photoshop Lightroom*

Adobe Photoshop Lightroom Book for Digital Photographers, The (Kelby), 181

AI Servo Mode, 216

airplane photography, 219

angles

for flower photography, 24

for mountain photography, 71

aperture priority mode

flower photography and, 25

landscape photography and, 66, 68

nighttime photography and, 173

portrait photography and, 115, 218

sports photography and, 98, 216

aperture setting

car detail shots and, 215

concert shots and, 222

fireworks shots and, 174

landscape photography and, 66, 212

low-light situations and, 39, 99

macro shots and, 225

portrait photography and, 115, 223

sharpness related to, 14

shutter speed and, 101

sports photography and, 101, 216

Apple Aperture, 199

archival-quality inks, 186

arena lighting, 100

Artistic Photo Canvas service, 153

athletes

composing shots of, 110

facial expressions of, 108, 109

See also sports photography

atmospheric effects, 79

auto focus, 85, 105

Auto White Balance, 61, 132

B

B&H Photo, 5

baby portraits, 125

backgrounds

black, 30

blown-out look for, 220

blurred, 101, 104

canvas or muslin, 117

flower photography, 30–31

lighting rule for, 118

outdoor, 53, 118

out-of-focus, 25, 101, 118, 216, 218, 221

portrait photography, 53, 116–118, 218

seamless paper, 116

shower curtain, 31

tip on varying, 53

white, 31

backing up photos, 60, 175

backup batteries, 133

backup memory cards, 59

ballheads, 9

baseball caps, 80

batteries

cold weather shooting and, 133

LCD monitor and life of, 140

beauty dish, 213, 223

beauty style shots, 213, 223

Becker, Larry, 195

BKT button, 141

Black, Dave, 195

black backgrounds

- flower photography and, 30
- portrait photography and, 116

black-and-white images

- landscape photos converted to, 89
- papers recommended for, 189
- printer recommended for, 186
- wedding photos as, 220

blinkies, 73, 74, 149**blinking subjects**, 49**blown-out background look**, 220**blurred images**

- background blur, 101, 104
- dancing people and, 54
- low-light situations and, 38
- sharpening, 18–19
- sports and, 101, 104
- wind and, 34

books in this series, 194**border of viewfinder**, 150**borderless prints**, 185**bracketing**, exposure, 141**bridal shots**

- composing, 218
- importance of, 55
- lighting, 44
- posing, 48

See also wedding photos

Brush Picker (Photoshop), 86**budget considerations**, 4**bulb mode**, 174**burst mode**

- hand-held shots and, 20
- sports photography and, 102, 104

C**cable release**, 10, 11, 85, 174**calibrating your monitor**, 190**camera gear**

- accessories, 3
- budget considerations, 4
- Gear Finder suggestions, 8, 9, 60, 95
- protecting, 79, 134, 138, 139
- recommended source for, 5
- sports photography and, 92–96
- used by author, 193
- webpage about, 4

See also specific gear

Camera Raw, 132, 155, 181

See also RAW format

camera shake

- cable release and, 10, 11
- hand-held cameras and, 13, 20–21
- mirror lock-up and, 12
- self timer and, 11
- shutter speed and, 16
- VR or IS lenses and, 13

cameras

- accessories for, 3
- buying considerations, 157, 198
- cost related to features of, 198
- digital vs. film, 145, 146, 151
- hand-holding, 13, 20–21

See also digital cameras

candid shots, 113, 121**Canon cameras**, 6

- bulb mode on, 174
- burst mode on, 102
- exposure bracketing on, 141
- exposure compensation on, 74, 149
- highlight warnings on, 73
- Image Stabilization lens, 13
- lenses made for, 13, 15, 94
- Mirror Lockup feature, 12
- sports photography and, 92
- sunrise/sunset photos and, 72
- zoom button on, 17

Canon Close-Up Lens, 27**canvas backgrounds**, 117**car photography**, 215**carbon fiber monopods**, 95**carbon fiber tripods**, 65, 168**children**

- shooting portraits of, 120, 125
- travel photos of, 161

chimping behavior, 140**church interiors**, 38–39**cities**

- concerns about shooting in, 136
- rooftop shots of, 176
- showing movement in, 169
- times for shooting in, 163
- tourist-free shots in, 177

See also urban photography

Clone Stamp tool (Photoshop), 86

close-up shots

- close-up lenses for, 26, 27
- macro lenses for, 26, 225
- zoom lenses for, 25

cloudy days

- flower photography and, 28
- landscape photography and, 83

Cloudy white balance, 72, 84, 212, 221**cold weather shooting**, 133**collapsible reflectors**, 127**color balance filters**, 97**color cast**, 132**color management**, 190, 191**color profiles**, 191**colors**

- bold/vivid in urban shots, 164
- capturing richness of, 77

combining photos, 173**CompactFlash cards**, 60**composing**

- airplane shots, 219
- beauty style shots, 213, 223
- bridal shots, 51, 218
- car detail shots, 215
- concert shots, 222
- flower shots, 25
- food shots, 221
- formal shots, 51, 52, 218
- jewelry shots, 225
- landscapes, 67, 89, 212
- nighttime building shots, 217
- portraits, 51, 121, 122, 213, 223
- sports shots, 110, 216
- urban shots, 217
- water shots, 214
- wedding shots, 51, 52, 218, 220

computer monitor, 182**Concepcion, RC**, 195**concert photography**, 222**Condé Nast Traveler**, 159**Continuous Focus mode**, 216**continuous shooting mode**

- hand-held shots and, 20
- sports photography and, 102, 104

contrast

- color used for, 164
- increasing in images, 220

Crop tool (Photoshop), 87**cropping**

- fake panoramas, 87
- sports photos, 107

crowd shots, 161**custom white balance**, 132**D****darkening filters**, 68, 69**Datacolor Spyder4ELITE calibrator**, 190**dawn**

- landscape photography at, 64, 67, 68
- urban and travel shots at, 163

Daylight white balance, 61**Death Grip**, 21**deleting photos**, 148**depth of field**

- background blur and, 101, 222
- macro lenses and, 26, 225
- sports photography and, 101

details

- urban photography, 166
- wedding photography, 56

Dewis, Glyn, 195**Dfine 2.0 plug-in**, 41**diffused lighting**, 32, 41–42, 124**digital cameras**

- accessories for, 3
- backup batteries for, 133
- buying considerations, 157, 198
- cable release for, 10, 11
- conserving batteries in, 140
- cost related to features of, 198
- deleting photos on, 148
- experimenting with, 151
- film cameras vs., 145, 146, 151
- hand-holding, 13, 20–21
- LCD monitors on, 140, 147, 150
- megapixels in, 184
- mirror lock-up on, 12
- most popular, 6
- pop-up flash on, 142
- program mode on, 160
- protecting from weather, 79, 134
- quick zoom settings on, 17
- rain gear for, 79, 134
- red-eye reduction mode on, 142
- self-timer on, 11
- viewfinder borders on, 150
- zoom button on, 17

Digital Photography Book series, 194**digital photos**

- backing up, 60, 175
- combining, 173
- deleting, 148
- film photos vs., 146
- off-site storage of, 175
- organizing with Lightroom, 183
- portfolios created from, 208
- poster-sized prints of, 153
- printing, 185–191, 204
- recipes for shooting, 211–225
- requirements for taking good, 207
- selling online, 192
- sharpening, 18–19
- underexposed vs. overexposed, 155

directional lighting, 42**double exposures**, 173**double level**, 82**dusk**

- airplane photography at, 219
- landscape photography at, 64, 68
- urban and travel shots at, 163
- water shots at, 214

dusty weather, 134**E****edge darkening**, 224**edit-as-you-go method**, 148**electronic cable release**, 11**Elements**. *See* **Photoshop Elements****Epson papers**, 188–189, 191**Epson printers**, 185–187

- Epson Artisan 50 printer, 185
- Epson Stylus Photo R3000 printer, 186
- Epson Stylus Pro 3880 printer, 187

equipment/gear. *See* **camera gear**; **Scott's gear finder****Eraser tool (Photoshop)**, 54**event photography**, 222**Excel, Laurie**, 205**EXIF data**, 14**experimenting**, 151**exposure bracketing**, 141**exposure compensation control**, 74, 149, 201**Exposure Delay Mode**, 12**external flash units**, 42, 142**external hard drives**, 60, 175**Eyedropper tool (Photoshop)**, 83**eyes**

- focusing on, 50, 119, 218
- positioning in the frame, 121
- preventing blinking of, 49

F**facial expressions**, 108, 109**fake panoramas**, 87**fast lenses**, 39, 40, 99**fill flash**, 43**film cameras**, 145, 146, 151**film speed**, 16*See also* **ISO setting****filters**

- close-up, 26
- color balance, 97
- neutral density gradient, 81
- polarizing, 69, 77
- stop-down, 68
- UV, 139

filters (Photoshop)

- Motion Blur, 54
- Unsharp Mask, 18, 19

fireworks, 174**flash**

- diffused light with, 41–42
- directional light with, 42
- exposure compensation for, 43
- external flash units, 42, 142
- fill light using, 43
- outdoor shots with, 43
- red eye and, 142
- white balance for, 61

flash diffusers, 41**flash exposure compensation**, 43**Flash white balance setting**, 61**Flexible Program Mode**, 160**florists**, 33

flower photography, 23–35

- backgrounds for, 30–31
- best times for, 28
- black background for, 30
- close-up view for, 35
- composing shots in, 25
- fake rain for, 29
- getting flowers for, 33
- lighting for, 32
- macro lenses and, 26
- non-typical angles for, 24
- printer paper for, 189
- white background for, 31
- wind and, 34
- zoom lenses and, 25

flowing water, 68**Fluorescent white balance**, 97, 132**focal length**, 114**focus**

- for flowers, 25
- for group shots, 50
- for portraits, 50, 119
- for sports photos, 105, 216

fog, shooting in, 79**Fong, Gary**, 41**food photography**, 221**forest scenes**, 69**formal portraits**, 45–53

- backgrounds for, 53
- blinking subjects in, 49
- bridal shots and, 44, 48, 55
- composing, 51, 52, 218
- framing, 52
- popular format for, 47
- posing people for, 48
- positioning camera for, 51
- shooting sequence for, 46
- where to focus for, 50

Fortney, Bill, 67, 72, 106, 134, 167, 168**framing portraits**, 52, 122**freezing motion**, 34, 98, 216, 222**frosted shower curtain**, 124**f-stop**, 14, 39, 115

See also aperture setting

full-length portraits, 51**G****gaffer's tape**, 154**Gary Fong's Lightsphere Collapsible**, 41**gear/equipment**. *See* camera gear;**Scott's gear finder****getting "the shot"**, 160, 211–225**Getty Images**, 192**glass**. *See* lenses**Golf Digest magazine**, 209**government buildings**, 135, 136**gray backgrounds**, 116**Grid, The talk show**, 195**Grimes, Joel**, 195**group photos**

- wedding formals as, 47, 48, 50
- where to focus for, 50

H**hand-held shots**

- continuous shooting mode for, 20
- low-light situations and, 38–39
- shutter priority mode for, 16
- tricks for steadying, 21
- VR or IS lenses for, 13

hard drives, 60, 175**head and shoulders shots**, 51**high vantage point**, 57**high-contrast look**, 220**highlight warnings**, 73, 74, 149**histograms**, 205**horizon line**, 70, 82**horizontal orientation**, 106, 203**I****Image Stabilization (IS) lenses**, 13**images/photos**. *See* digital photos**Incandescent white balance**, 61, 97, 132**inclines**, shooting on, 137**indoor lighting**

- for portraits, 124, 213, 223
- for sports photography, 97, 99, 100
- for weddings, 38, 41–42

instant creative feedback, 147

Internet resources. See web resources**ISO setting**

- concert photography and, 222
- landscape photography and, 212
- sports photography and, 99, 216
- studio portraits and, 213
- travel moments and, 224
- tripod shots and, 16
- wedding photography and, 38

iStockphoto website, 192**J****jewelry photography, 225****Johnson, Stephen, 67****JPEG format**

- preset white balance and, 61
- RAW format vs., 103, 180
- sports photography and, 103

K**kelbytraining.com website, 4, 173****kelbytv.com website, 195****Kloskowski, Matt, 181, 195****knee pads, 25, 219****L****landmarks, 172****landscape photography, 63–89**

- aperture priority mode and, 66, 68
- atmospheric effects and, 79
- black-and-white images from, 89
- cloudy days and, 83
- color richness in, 77
- composing shots in, 67, 89, 212
- dawn and dusk for, 64, 67
- exposure compensation and, 74
- fake panoramas from cropping, 87
- forest scenes in, 69
- golden rule of, 64
- highlight warnings and, 73, 74
- horizon line in, 70, 82
- lens flare and, 80
- lighting for, 64, 68
- low perspective for, 89

- masters of, 67
- mountain shots in, 71
- neutral density gradient filter and, 81
- non-typical angles for, 71, 76
- panoramas and, 84–87
- polarizing filters and, 69, 77
- printer papers for, 189
- showing size in, 75
- shutter priority mode and, 68
- silky water effect in, 68, 69
- skies in, 70
- sunrises and sunsets in, 72
- tripods used for, 65, 68, 76, 84
- water shots in, 67, 68
- weather considerations, 78, 83
- wide-angle lenses and, 88

laptop computers, 175**large-format printing, 187****LCD monitor**

- battery life and, 140
- blinkies in, 73, 74, 149
- border of image shown in, 150
- comparing with computer monitor, 182
- instant creative feedback using, 147
- viewing shots in, 17, 43, 147, 150
- zooming in on, 17, 147

lens flare, 80, 138**lens hood**

- protecting lenses with, 138
- securing to your lens, 154

lenses

- close-up, 26, 27
 - dusty weather and, 134
 - fast, 39, 40, 99
 - Image Stabilization, 13
 - macro, 26, 225
 - portrait photography, 114
 - protecting, 79, 134, 138, 139
 - quality considerations, 15
 - sharpest aperture on, 14
 - sports photography, 92, 93–94
 - Vibration Reduction, 13
 - wedding photography, 39, 40, 218, 220
- See also telephoto lenses; wide-angle lenses; zoom lenses**

light

- diffused, 41–42, 124
- directional, 42
- natural, 31, 32, 44, 124, 127–129
- soft, 41–42, 124, 129

lighting

- for airplane shots, 219
- for backgrounds, 118
- for beauty style shots, 213, 223
- for car shots, 215
- for concert shots, 222
- for flower shots, 32
- for food shots, 221
- for indoor sports, 97, 100
- for landscapes, 64, 68, 212
- for portraits, 123–124, 127–129, 142, 213, 223
- for still water shots, 214
- for wedding photos, 41–44, 218, 220

Lightroom. *See* **Photoshop Lightroom**

Lightsphere Collapsible diffuser, 41

Lipovetsky, Joel, 21

low-light photography

- fast lenses and, 39
- hand-held shots and, 13, 38
- ISO setting and, 16, 38, 99
- sporting events and, 99
- VR or IS lenses and, 13

See also **nighttime photography**

low-perspective shots, 89, 215, 219

M

macro lenses, 26, 225

Magic Wand tool (Photoshop), 83

Maisel, Jay, 3

managing your photos, 183

Manfrotto Pro Photo Vest, 93

manual mode

- consideration about, 202
- fireworks shots and, 174
- nighttime shots and, 217
- panoramas and, 85

Mautner, Cliff, 195

McNally, Joe, 64, 195, 205

megapixels, 184

memory cards

- backing up, 60, 175
- card holder system for, 156
- deleting photos from, 148
- preventing erasure of, 156
- RAW format and, 152, 180
- size considerations for, 152
- sports photos and, 92
- wedding photos and, 59, 60, 152

Micro Apollo Softbox, 41

mirror lock-up, 12

models, hiring, 162

monitor calibration, 190

monopods, 92, 95, 171

moon photos, 173

motion

- blurring, 54
- freezing, 34, 98, 216, 222
- panning, 104

Motion Blur filter (Photoshop), 54

motion trails, 169

mountain shots, 71

mounting board, 31

Mpix.com photo lab, 153

Muench, David, 67

multiple exposures, 173

museum photography, 135

muslin backgrounds, 117

N

National Geographic Traveler, 159

natural light

- for flowers, 31, 32
- for food shots, 221
- for portraits, 124, 127–129, 218
- for wedding photos, 44, 218

See also **sunlight**

neutral density gradient filter, 81

neutral gray card, 132

newborn babies, 125

nighttime photography

- building shots and, 217
- including the moon in, 173
- manual mode for, 217
- sporting events and, 99, 100
- urban motion trails and, 169

See also **low-light photography**

Nik Software

- Dfine 2.0 plugin, 41
- Snapseed app, 175

Nikon cameras, 6

- bulb mode on, 174
- burst mode on, 102
- Canon Close-Up Lens and, 27
- exposure bracketing on, 141
- exposure compensation on, 74, 149
- Exposure Delay mode on, 12
- highlight warnings on, 73
- lenses made for, 94
- program mode on, 160
- sports photography and, 92
- sunrise/sunset photos and, 72
- Vibration Reduction lens, 13
- Virtual Horizon feature, 82
- zoom button on, 17

noise

- ISO setting and, 38, 39, 99
- software for reducing, 222
- underexposed photos and, 155

Notre Dame Cathedral, 166**O****off-site storage, 175****old people in travel photos, 161****online resources. See web resources****open shade, 123, 163, 164****organizing photos, 183****Outdoor Photographer, 211****outdoor shots**

- backgrounds for, 53, 118
- flash used for, 43
- flower photography and, 34
- portraits as, 53, 118, 123, 218
- weather considerations for, 78
- wedding photos as, 43, 53
- white balance for, 61
- wide-angle lenses for, 88
- windy days and, 34

out-of-focus backgrounds, 25, 101, 118, 216, 218, 221**overcast days**

- flower photography and, 28
- landscape photography and, 83

overexposed photos, 155**P****panning, 54, 104****panoramas, 84–87**

- creating fake, 87
- Photomerge feature and, 84, 86
- tips for shooting, 84–86

paper

- color profiles for, 191
- printer, 188–189, 191
- seamless background, 116

Paris Opera House, 177**people photography. See portraits****permits, tripod, 135****perspectives**

- flower photography, 24
- low-perspective shots, 89, 215, 219
- mountain photography, 71

Peterson, Moose, 27, 67, 195, 205**photo labs, 153****photo shoots, 2****photo vest, 93****photography**

- flower, 23–35
- landscape, 63–89
- low-light, 13, 16
- portrait, 113–129
- sports, 91–111
- travel, 159–177
- urban, 159–177
- wedding, 37–61

See also digital photos**Photography Tips and Tricks show, 195****photojournalism, 56****Photomerge feature (Photoshop), 84, 86****Photoshop**

- Camera Raw and, 132, 155, 181
- cloning images in, 86
- color management system in, 191
- combining photos in, 173
- creative use of, 155
- cropping photos in, 87
- Dfine 2.0 plugin for, 41
- EXIF data viewed in, 14
- Lightroom compared to, 183
- motion blur added in, 54
- Photomerge feature in, 84, 86
- processing RAW photos in, 132, 155, 181

removing red eye in, 143
 resource for learning about, 181
 sharpening photos in, 18–19, 199
 tonal adjustments in, 83

Photoshop Elements, 18–19, 87, 143, 181, 199

Photoshop Elements Book for Digital Photographers, The (Kelby & Kloskowski), 181

Photoshop Lightroom, 143, 181, 182, 183, 199

polarizing filters, 69, 77

pop-up flash, 142

portfolios, 208

portraits, 113–129
 aperture setting for, 115, 218
 backgrounds for, 53, 116–118, 218
 beauty style shots as, 213, 223
 camera position for, 120
 composing, 51, 121, 122, 213, 223
 focal length for, 114
 focusing for, 119
 framing shots for, 52, 122
 lenses recommended for, 114, 218
 lighting for, 123–124, 127–129, 142, 213, 223
 of newborn babies, 125
 outdoor, 53, 118, 123, 218
 positioning subjects for, 121
 printer paper for, 189
 red eye in, 142–143
 reflectors used for, 127–129
 studio setup for, 213
 sunsets and, 126
 Unsharp Mask settings for, 18
 wedding, 45–53

See also formal portraits

Post Crop Vignetting option, 224

poster-sized prints, 153

practice, importance of, 209

pre-focusing action shots, 105

preset white balance, 61

printers
 color management system of, 191
 recommendations for, 185–187

printing, 185–191
 8x10" prints, 185
 13x19" prints, 186
 17x22" prints, 187
 black-and-white, 186
 borderless, 185
 color profiles for, 191
 importance of, 204
 large-format, 187
 megapixels related to, 184
 monitor calibration for, 190
 paper recommended for, 188–189
 poster-sized, 153

professional photographers
 equipment used by, 3, 81, 91, 92
 local models hired by, 162
 problem avoidance tips of, 131–143
 quality of photos shared by, 200

Professional Photographers of America (PPA), 162

profiles, color, 191

program mode, 160

Q

quick zoom settings, 17

R

rain

flower shots after, 28
 landscape shots and, 78
 protecting gear from, 79, 134
 simulating, 29

See also weather considerations

RAW format

advantages of shooting in, 180
 exposure bracketing and, 141
 JPEG format vs., 103, 180
 memory cards and, 152, 180
 Photoshop processing and, 132, 155, 181
 resources for learning about, 181
 sports photography and, 103
 white balance and, 61, 97, 132

RAW+JPEG option, 103

reception, wedding, 54

recipes, photo, 211–225

red eye

avoiding, 142

removing, 143

Red Eye tool (Photoshop), 143

reflections

filter for reducing, 69, 77

water shots and, 67, 214

reflectors, 42, 127–129

aiming at subjects, 128

benefits of using, 127

improving flat light with, 129

positioning for softer light, 129

release forms, 162

resized photos, 19

resolution adjustments, 19

resources

books in this series, 194

RAW photo processing info, 181

weekly talk shows, 195

See also web resources

rooftop city shots, 176

S

Sanho HyperDrive, 60

scale, showing, 75

Scott's gear finder

for ballheads, 9

for hard drives, 60

for monopods, 95

for tripods, 8

See also camera gear

seamless backgrounds, 116

seeing-the-wind trick, 34

self timer, 11, 85

Shade white balance, 221

shadows

directional light and, 42

fill flash used for, 43

noise appearing in, 155

outdoor portraits and, 123

sharp photos, 8–21

after-the-fact sharpening for, 18, 199

aperture setting and, 14

cable release and, 10, 11

continuous shooting mode and, 20

hand-held cameras and, 13, 20–21

importance of, 1

IS lenses and, 13

ISO setting and, 16

lens quality and, 15

mirror lock-up and, 12

Photoshop tips for, 18–19

self timer and, 11

tack sharp shots as, 1, 8

tripods and, 8

VR lenses and, 13

zooming to check for, 17

Shaw, John, 67, 76

sheer curtains, 124

shower curtains, 31, 32, 124

shutter priority mode

flower photography and, 34

hand-held shots and, 16

landscape photography and, 68

urban photography and, 169

shutter release, 11, 85

shutter speed

aperture setting and, 101

camera shake and, 16

fireworks shots and, 174

freezing motion with, 34

motion trails and, 169

silky water effect and, 69

sports photography and, 98, 104, 216

Shutterbug magazine, 211

signs, shooting, 168

silky water effect, 68, 69

simplicity, 170

size

print, and megapixels, 184

showing scale and, 75

skies

horizon line and, 70

neutral density gradient filter and, 81

Photoshop adjustments, 83

pre-storm, 78

sunset portraits and, 126

SLR cameras, 6

Snapseed app, 175

soft light, 41–42, 124, 129, 223

softbox, 213

Sony cameras, 6**sports photography, 91–111**

- aperture setting for, 101, 216
- blurring backgrounds in, 101, 104, 216
- burst mode for, 102, 104
- camera gear for, 92–96
- composing shots in, 110, 216
- facial expressions in, 108, 109
- getting the shot in, 111
- indoor, 97, 99, 100
- ISO setting for, 99, 216
- learning the game for, 111
- lenses for, 92, 93–94, 216
- monopods for, 95
- nighttime, 99
- panning motion in, 104
- pre-focusing shots in, 105
- professional, 91, 92
- RAW vs. JPEG format for, 103
- shutter speed for, 98, 104, 216
- stadium lighting and, 100
- story-telling with, 109
- tripods and, 95
- vertical vs. horizontal, 106
- white balance for, 97

See also action photography**spray bottles, 29****Spyder4ELITE color calibrator, 190****squarespace.com website, 208****stadium lighting, 100****standing portraits, 51****stock photos, 192****stop-down filter, 68****story-telling angle, 109****strip bank, 215****studio lighting, 124, 213****studio portraits, 213****sunlight**

- diffusing, 32
- fill flash and, 43
- reflectors and, 127

See also natural light**sunny days, 28****sunrises, 72, 212****sunsets**

- portraits and, 126
- trick for warmer, 72
- water shots and, 214

super-sharpening settings, 18**super-wide-angle lenses, 77, 88****sweeping landscape shots, 212****sweet spot, 14****symbols used in book, 4****T****tablet computers, 175****tack sharp photos, 1, 8****teleconverters, 93, 94****telephoto lenses**

- moon photography and, 173
- portrait photography and, 114, 218
- quality considerations, 15
- sports photography and, 92, 93, 216

textured backgrounds, 117**textured paper, 189****TFP (Time for Prints), 162****Think Tank Photo belt system, 93****timer, self, 11****tonal adjustments, 83****tourist-free shots, 177****touristy landmarks, 172****Travel + Leisure magazine, 159****travel photography, 159–177**

- backing up, 175
- bold/vivid colors in, 164
- capturing details in, 166
- children and old people in, 161
- crowd shots in, 161
- famous landmarks in, 172
- fireworks in, 174
- getting “the shot” in, 160, 224
- hiring models for, 162
- including the moon in, 173
- laptops or tablets for, 175
- monopods used in, 171
- presenting different views in, 167, 172
- printer papers for, 189
- rooftop shots in, 176
- showing movement in, 169
- sign shots in, 168
- simplicity in, 170
- times for shooting, 163
- tourist-free shots in, 177
- Unsharp Mask settings for, 18
- web resource on, 165

tripods

- alternatives to using, 16, 21
- ballheads for, 9
- carbon fiber, 65
- cost considerations, 8
- fireworks shots and, 174
- inclines and, 137
- ISO setting and, 16
- landscape photography and, 65, 68, 76, 84
- macro lenses and, 26
- monopods vs., 95, 171
- motion trails and, 169
- multiple exposures and, 173
- panoramas and, 84
- permits for using, 135
- portraits and, 120
- sports photography and, 95
- stable shooting with, 137
- substitutes for, 21
- tack sharp photos and, 8
- VR or IS feature and, 13
- weight and quality of, 168

Tungsten white balance, 97

two-element close-up diopters, 26

two-light studio setup, 213

U

UltraChrome K3 inks, 186

ultra-wide-angle lenses, 88

underexposed photos, 155

Unsharp Mask filter (Photoshop), 18, 199

urban photography, 159–177

- bold/vivid colors in, 164
- capturing details in, 166
- composing shots in, 217
- famous landmarks in, 172
- fireworks in, 174
- getting “the shot” in, 160, 224
- including the moon in, 173
- monopods used in, 171
- presenting different views in, 167, 172
- printer papers for, 189
- rooftop shots in, 176
- showing movement in, 169
- sign shots in, 168
- simplicity in, 170

times for shooting, 163

tourist-free shots in, 177

Unsharp Mask settings for, 18

web resource on, 165

See also travel photography

UV filters, 139

V

Versace, Vincent, 30, 146, 205

vertical orientation, 106

Vibration Reduction (VR) lenses, 13

viewfinder borders, 150

Virtual Horizon feature, 82

W

Wallace, Tim, 215

water shots

composing, 214

printer paper for, 189

shooting at dawn, 67

silky effect in, 68, 69

waterfalls, 68, 69

weather considerations

backup batteries and, 133

cold weather shooting and, 133

dusty environments and, 134

landscape photos and, 78, 83

See also rain

web images, 18, 19, 203

web resources

camera gear, 4

kelbytraining.com, 4, 173

online photo labs, 153

photo models, 162

stock photography, 192

travel photography, 165

weekly talk shows, 195

wedding photos, 37–61

backgrounds for, 53, 218, 220

backing up, 60

black and white, 220

bouquet/garter toss, 58

bridal shots, 44, 48, 55, 218

church interiors, 38, 58

composing, 51, 52, 218

details in, 56

- Dfine 2.0 plugin for, 41
- flash used for, 41–43
- formal portraits, 45–53, 218
- high vantage point for, 57
- ISO settings for, 38
- lenses for, 39, 40, 218, 220
- lighting conditions for, 38, 41–44, 218, 220
- low-light situations for, 38–39
- memory cards for, 59, 60, 152
- number of shots for, 59
- outdoor shots, 43, 53, 218
- popular format for, 47
- posing people for, 48
- reception photos, 54
- ring photos, 225
- soft light for, 41–42
- white balance for, 61
- wide-angle lens for, 58

Westcott collapsible reflector, 127

Westcott Micro Apollo Softbox, 41

white backgrounds

- flower photography and, 31
- portrait photography and, 116, 213, 223

white balance

- Auto White Balance, 61, 132
- avoiding problems with, 132
- experimenting with, 214
- indoor sports and, 97
- JPEG format and, 61
- panoramas and, 84
- presets for, 61
- RAW format and, 61, 97, 132
- sunrises/sunsets and, 72
- wedding photos and, 61

wide-angle lenses

- airplane photography and, 219
- landscape photography and, 88, 212
- moon included in photos using, 173
- polarizing filters and, 77
- sports photography and, 93
- wedding photography and, 58

wind, shooting flowers in, 34

window light

- indoor portraits using, 124
- wedding shots using, 44, 220

Woods, Tiger, 3

Z

Ziser, David, 125

zoom button, 17

zoom lenses

- close-up lens added to, 26, 27
- concert shots and, 222
- fireworks shots and, 174
- flower photography and, 25
- landscape photography and, 88
- moon included in photos using, 173
- portrait photography and, 114
- quality considerations, 15
- sports photography and, 93, 94

zooming the LCD monitor, 17, 147