

# ***Photoshop® CS3*** FOR **DUMMIES®**

by Peter Bauer



Wiley Publishing, Inc.



# ***Photoshop® CS3*** FOR **DUMMIES®**

by Peter Bauer



Wiley Publishing, Inc.

## Photoshop® CS3 For Dummies®

Published by  
**Wiley Publishing, Inc.**  
111 River Street  
Hoboken, NJ 07030-5774  
[www.wiley.com](http://www.wiley.com)

Copyright © 2007 by Wiley Publishing, Inc., Indianapolis, Indiana

Published by Wiley Publishing, Inc., Indianapolis, Indiana

Published simultaneously in Canada

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as permitted under Sections 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the Publisher, or authorization through payment of the appropriate per-copy fee to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 646-8600. Requests to the Publisher for permission should be addressed to the Legal Department, Wiley Publishing, Inc., 10475 Crosspoint Blvd., Indianapolis, IN 46256, (317) 572-3447, fax (317) 572-4355, or online at <http://www.wiley.com/go/permissions>.

**Trademarks:** Wiley, the Wiley Publishing logo, For Dummies, the Dummies Man logo, A Reference for the Rest of Us!, The Dummies Way, Dummies Daily, The Fun and Easy Way, Dummies.com, and related trade dress are trademarks or registered trademarks of John Wiley & Sons, Inc. and/or its affiliates in the United States and other countries, and may not be used without written permission. Photoshop is a registered trademark of Adobe Systems Incorporated. All other trademarks are the property of their respective owners. Wiley Publishing, Inc., is not associated with any product or vendor mentioned in this book.

**LIMIT OF LIABILITY/DISCLAIMER OF WARRANTY: THE PUBLISHER AND THE AUTHOR MAKE NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO THE ACCURACY OR COMPLETENESS OF THE CONTENTS OF THIS WORK AND SPECIFICALLY DISCLAIM ALL WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. NO WARRANTY MAY BE CREATED OR EXTENDED BY SALES OR PROMOTIONAL MATERIALS. THE ADVICE AND STRATEGIES CONTAINED HEREIN MAY NOT BE SUITABLE FOR EVERY SITUATION. THIS WORK IS SOLD WITH THE UNDERSTANDING THAT THE PUBLISHER IS NOT ENGAGED IN RENDERING LEGAL, ACCOUNTING, OR OTHER PROFESSIONAL SERVICES. IF PROFESSIONAL ASSISTANCE IS REQUIRED, THE SERVICES OF A COMPETENT PROFESSIONAL PERSON SHOULD BE SOUGHT. NEITHER THE PUBLISHER NOR THE AUTHOR SHALL BE LIABLE FOR DAMAGES ARISING HEREFROM. THE FACT THAT AN ORGANIZATION OR WEBSITE IS REFERRED TO IN THIS WORK AS A CITATION AND/OR A POTENTIAL SOURCE OF FURTHER INFORMATION DOES NOT MEAN THAT THE AUTHOR OR THE PUBLISHER ENDORSES THE INFORMATION THE ORGANIZATION OR WEBSITE MAY PROVIDE OR RECOMMENDATIONS IT MAY MAKE. FURTHER, READERS SHOULD BE AWARE THAT INTERNET WEBSITES LISTED IN THIS WORK MAY HAVE CHANGED OR DISAPPEARED BETWEEN WHEN THIS WORK WAS WRITTEN AND WHEN IT IS READ.**

For general information on our other products and services, please contact our Customer Care Department within the U.S. at 800-762-2974, outside the U.S. at 317-572-3993, or fax 317-572-4002.

For technical support, please visit [www.wiley.com/techsupport](http://www.wiley.com/techsupport).

Wiley also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.

Library of Congress Control Number: 2006939488

ISBN: 978-0-470-11193-2

Manufactured in the United States of America

10 9 8 7 6 5 4 3 2 1



## About the Author

**Peter Bauer** is best known as the Help Desk Director for the National Association of Photoshop Professionals (NAPP), but he's also the author of a half-dozen books on Adobe Photoshop and Illustrator, the host of the video-training titles *Photoshop CS2 FAQs* and *Photoshop Filters* at Lynda.com, a contributing writer for *Photoshop User* and *Layers* magazines, a featured columnist for PlanetPhotoshop.com, and a software documentation writer for a variety of Photoshop- and Illustrator-related products. An Adobe Certified Expert, he also appears regularly as a member of the Photoshop World Instructor Dream Team. A Photoshop Hall of Fame nominee, in 2005, Pete was presented the Pioneer Award by NAPP, only the second person so honored. As NAPP Help Desk Director, Pete personally answers tens of thousands of e-mail questions annually about Photoshop and computer graphics. He has contributed to and assisted on such projects as feature film special effects, major book and magazine publications, award-winning Web sites, and fine art exhibitions. He has taught computer graphics at the university level and serves as a computer graphics efficiency consultant for a select corporate clientele. Pete and his wife, Professor Mary Ellen O'Connell of the University of Notre Dame Law School, live in South Bend, Indiana. Despite being considered a world-class technogeek, Pete still plays organized ice hockey.



## Dedication

For my wife — I am continually in awe of all you have accomplished and all you continue to accomplish! Your dedication to the law governing armed conflict makes the world a safer and more civilized place.

## Author's Acknowledgments

First, I'd like to thank Bob Woerner and Nicole Sholly of Wiley, as well as Virginia Sanders, Ron Rockwell, and the rest of the superb crew at Wiley that put the book itself together. I'd also like to acknowledge Scott and Kalebra Kelby, Jim Workman, Jean Kendra, Larry Becker, Jeff Kelby, and Dave Moser of the National Association of Photoshop Professionals (NAPP), who make my professional life what it is today. With their support, I'm the Help Desk Director for NAPP, and I get to share my Photoshop knowledge with tens of thousands of NAPP members — and with you. I also thank my Help Desk colleagues Jeanne Rubbo and Rob Sylvan for their support during the development of this book.

Another great group from whom I continue to receive support are my colleagues on the Photoshop World Instructor Dream Team. If you haven't been to Photoshop World, try to make it — soon. Rather than “Photoshop conference,” think “Photoshop *festival*.” Where else can you see suits and slackers, side by side, savoring every single syllable? It's more than just training and learning; it's a truly intellectually stimulating environment. (If only you could be a fly on the wall during the now-traditional breakfast discussions I share with the great photographers Vincent Versace and John Paul Caponigro!) Photoshop World is a collection of the world's most renowned Photoshop experts, sharing their knowledge with Photoshop users of all levels. I thank each of the members of the Dream Team for the knowledge they have shared with me over the years. I would also like to single out Robb Kerr, one of the original Photoshop World instructors, who continues to inspire me both spiritually and intellectually.

And, of course, I thank my wife, the incredible Professor Mary Ellen O'Connell of the Notre Dame Law School, for her unwavering support during yet another book project.

## Publisher's Acknowledgments

We're proud of this book; please send us your comments through our online registration form located at [www.dummies.com/register/](http://www.dummies.com/register/).

Some of the people who helped bring this book to market include the following:

### *Acquisitions, Editorial, and Media Development*

**Project Editor:** Nicole Sholly

**Senior Acquisitions Editor:** Bob Woerner

**Copy Editor:** Virginia Sanders

**Technical Editor:** Ron Rockwell

**Editorial Manager:** Kevin Kirschner

**Media Development Manager:** Laura VanWinkle

**Editorial Assistant:** Amanda Foxworth

**Sr. Editorial Assistant:** Cherie Case

**Cartoons:** Rich Tennant ([www.the5thwave.com](http://www.the5thwave.com))

### *Composition Services*

**Project Coordinator:** Heather Kolter

**Layout and Graphics:** Denny Hager,  
Joyce Haughey, Melanee Prendergast,  
Heather Ryan

**Proofreaders:** Melissa D. Buddendeck,  
Dwight Ramsey

**Indexer:** Broccoli Information Management

**Anniversary Logo Design:** Richard Pacifico

---

## Publishing and Editorial for Technology Dummies

**Richard Swadley**, Vice President and Executive Group Publisher

**Andy Cummings**, Vice President and Publisher

**Mary Bednarek**, Executive Acquisitions Director

**Mary C. Corder**, Editorial Director

## Publishing for Consumer Dummies

**Diane Graves Steele**, Vice President and Publisher

**Joyce Pepple**, Acquisitions Director

## Composition Services

**Gerry Fahey**, Vice President of Production Services

**Debbie Stailey**, Director of Composition Services



# Contents at a Glance

<b><i>Introduction .....</i></b>	<b><i>1</i></b>
<b><i>Part I: Breezing through Basic Training.....</i></b>	<b><i>7</i></b>
Chapter 1: Welcome to Photoshop!.....	9
Chapter 2: Knowing Just Enough about Digital Images .....	23
Chapter 3: Taking the Chef's Tour of Your Photoshop Kitchen.....	41
Chapter 4: Getting Images into and out of Photoshop .....	61
<b><i>Part II: Easy Enhancements for Digital Images .....</i></b>	<b><i>83</i></b>
Chapter 5: Adding Dark Shadows and Sparkling Highlights .....	85
Chapter 6: Making Color Look Natural .....	105
Chapter 7: The Adobe Camera Raw Plug-In .....	131
Chapter 8: Fine-Tuning Your Fixes.....	153
Chapter 9: Common Problems and Their Cures.....	181
<b><i>Part III: Creating "Art" in Photoshop .....</i></b>	<b><i>197</i></b>
Chapter 10: Combining Images .....	199
Chapter 11: Precision Edges with Vector Paths .....	219
Chapter 12: Dressing Up Images with Layer Styles .....	243
Chapter 13: Giving Your Images a Text Message.....	265
Chapter 14: Painting in Photoshop .....	293
Chapter 15: Filters: The Fun Side of Photoshop .....	311
<b><i>Part IV: Power Photoshop .....</i></b>	<b><i>329</i></b>
Chapter 16: Streamlining Your Work in Photoshop .....	331
Chapter 17: Introducing Photoshop CS3 Extended.....	347
<b><i>Part V: The Part of Tens .....</i></b>	<b><i>359</i></b>
Chapter 18: Pete's Top Ten Favorite Photoshop Tips and Tricks .....	361
Chapter 19: Ten Reasons to Love Your Wacom Tablet .....	371
Chapter 20: Ten Reasons to Own a Digital Camera.....	375
<b><i>Index .....</i></b>	<b><i>379</i></b>



# Table of Contents

## *Introduction ..... 1*

About This Book.....	1
How This Book Is Organized.....	3
Part I: Breezing through Basic Training.....	3
Part II: Easy Enhancements for Digital Images .....	4
Part III: Creating “Art” in Photoshop.....	4
Part IV: Power Photoshop .....	4
Part V: The Part of Tens.....	4
Conventions Used in This Book .....	5
Icons Used in This Book.....	5
How to Use This Book .....	6

## *Part 1: Breezing through Basic Training ..... 7*

### **Chapter 1: Welcome to Photoshop! ..... 9**

Exploring Adobe Photoshop.....	10
What Photoshop is designed to do .....	10
Other things you can do with Photoshop .....	13
If you don’t have specialized software .....	14
Viewing Photoshop’s Parts and Processes .....	16
Reviewing basic computer operations .....	16
Photoshop’s incredible selective Undo.....	18
Installing Photoshop: Need to know .....	20

### **Chapter 2: Knowing Just Enough about Digital Images ..... 23**

What Exactly Is a Digital Image?.....	24
The True Nature of Pixels .....	25
How Many Pixels Can Dance on the Head of a Pin?.....	27
Resolution revelations .....	27
Resolving image resolution .....	28
File Formats: Which Do You Need?.....	35
Formats for digital photos.....	36
Formats for Web graphics .....	37
Formats for commercial printing .....	38
Formats for PowerPoint and Word.....	40



**Chapter 3: Taking the Chef's Tour of Your Photoshop Kitchen . . . . . 41**

Food for Thought: How Things Work .....	42
Ordering from the menus .....	42
Your platter full of palettes .....	43
The tools of your trade.....	45
Get Cookin' with Customization.....	47
Clearing the table: Custom workspaces .....	48
Sugar and spice, shortcuts are nice.....	50
Spoons can't chop: Creating tool presets .....	51
Season to Taste: The Photoshop Settings.....	52
Standing orders: Setting the Preferences .....	52
Ensuring consistency: Color Settings .....	58
When Good Programs Go Bad: Fixing Photoshop .....	60

**Chapter 4: Getting Images into and out of Photoshop . . . . . 61**

Bringing Images into Photoshop.....	62
Downloading from your digital camera .....	63
Scanning prints .....	64
Keeping Your Images Organized.....	67
Creating a folder structure .....	67
Using Adobe Bridge.....	68
Renaming image files easily .....	71
Printing Your Images.....	71
Cropping to a specific aspect ratio .....	72
Remembering resolution .....	73
Controlling color using Print with Preview .....	74
Considering color management solutions .....	76
Printing alternatives.....	77
Sharing Your Images .....	78
Creating a PDF Presentation .....	78
Collecting thumbnails in a contact sheet.....	80
E-mailing your images.....	81

***Part II: Easy Enhancements for Digital Images .....* 83**

**Chapter 5: Adding Dark Shadows and Sparkling Highlights . . . . . 85**

Adjusting Tonality to Make Your Images Pop.....	86
Histograms Simplified.....	86
Using Photoshop's Auto Corrections .....	90
Levels and Curves and You.....	91
Level-headed you!.....	92
Tonal corrections with the eyedroppers.....	94
Adjusting your curves without dieting.....	95

Grabbing Even More Control .....	97
Using Shadow/Highlight .....	98
Changing exposure after the fact .....	101
Using Photoshop's toning tools.....	102
<b>Chapter 6: Making Color Look Natural .....</b>	<b>105</b>
What Is Color in Photoshop? .....	105
Color modes, models, and depths .....	106
Recording color in your image .....	111
Color Adjustments in Photoshop.....	111
Watching the Histogram and Info palettes.....	113
Choosing color-adjustment commands.....	114
Working with Variations .....	126
Manual corrections in individual channels.....	128
The People Factor: Flesh Tone Formulas.....	129
<b>Chapter 7: The Adobe Camera Raw Plug-In .....</b>	<b>131</b>
Understanding the Raw Facts.....	131
What's the big deal about Raw?.....	132
Working in Raw .....	134
Do You Have What It Takes? .....	135
Working in the Camera Raw Plug-In.....	136
Tools and preview options .....	136
The histogram.....	140
The preview area .....	140
Workflow options and presets .....	141
The Basic pane .....	143
Adjusting the tone curve.....	144
The Detail pane.....	147
HSL, grayscale, and split toning .....	148
Compensating with Lens Correction .....	150
Customizing camera profiles and the Presets tab.....	151
The Camera Raw buttons .....	152
<b>Chapter 8: Fine-Tuning Your Fixes .....</b>	<b>153</b>
What Is a Selection? .....	154
Feathering and Anti-Aliasing.....	157
Making Your Selections with Tools .....	158
Marquee selection tools .....	159
Lasso selection tools .....	162
The Quick Selection tool .....	164
The Magic Wand tool .....	164
Refine Selection Edge.....	165

Your Selection Commands .....	166
The primary selection commands .....	166
The Color Range command .....	167
Selection modification commands .....	169
Transforming the shape of selections .....	170
The mask-related selection commands .....	172
Masks: Not Just for Halloween Anymore .....	172
Saving and loading selections .....	172
Editing an alpha channel .....	173
Working in Quick Mask mode .....	175
Adding masks to layers and Smart Objects .....	176
Masking with vector paths .....	177
Adjustment Layers: Controlling Changes .....	177
Adding an adjustment layer .....	178
Limiting your adjustments .....	179

## **Chapter 9: Common Problems and Their Cures .....181**

Making People Prettier .....	182
Getting the red out . . . digitally .....	182
The digital fountain of youth .....	183
Dieting digitally .....	184
Deglaring glasses .....	185
Whitening teeth .....	186
Reducing Noise in Your Images .....	187
Decreasing digital noise .....	187
Eliminating luminance noise .....	188
Fooling Around with Mother Nature .....	188
Removing the unwanted from photos .....	188
Eliminating the lean: Fixing perspective .....	193
Rotating images precisely .....	195

## **Part III: Creating “Art” in Photoshop ..... 197**

### **Chapter 10: Combining Images .....199**

Compositing Images: 1 + 1 = 1 .....	199
Understanding layers .....	200
Why you should use Smart Objects .....	201
Using the basic blending modes .....	202
Opacity, transparency, and layer masks .....	205
Creating clipping groups .....	206
Making composited elements look natural .....	207
Selecting with Extract .....	208
Vanishing Point .....	209

Putting Together Images Automatically .....	214
Creating panoramas with Photomerge .....	214
Combining exposures for HDR images .....	216
<b>Chapter 11: Precision Edges with Vector Paths .....</b>	<b>219</b>
Pixels, Paths, and You.....	220
Easy Vectors: Using Shape Layers .....	222
Your basic shape tools.....	222
The Custom Shape tool .....	223
More custom shapes — free! .....	224
Changing the appearance of the shape layer .....	226
Simulating a multicolor shape layer .....	227
Using Your Pen Tool to Create Paths .....	229
Understanding paths .....	229
Clicking and dragging your way down the path of knowledge.....	230
A closer look at the Paths palette .....	232
Customizing Any Path .....	236
Adding, deleting, and moving anchor points.....	236
Combining paths .....	238
Tweaking type for a custom font.....	240
<b>Chapter 12: Dressing Up Images with Layer Styles .....</b>	<b>243</b>
What Are Layer Styles?.....	244
Using the Styles Palette.....	245
Creating Custom Layer Styles.....	247
Exploring the Layer Style menu.....	247
Exploring the Layer Style dialog box .....	249
Layer effects basics.....	250
Opacity, fill, and advanced blending.....	258
Saving Your Layer Styles .....	262
Adding styles to the Style palette .....	262
Preserving your layer styles .....	263
<b>Chapter 13: Giving Your Images a Text Message .....</b>	<b>265</b>
Making a Word Worth a Thousand Pixels .....	266
A type tool for every season, or reason .....	268
What are all those options? .....	271
Taking control of your text with palettes .....	274
The palette menus — even more options .....	278
Putting a picture in your text.....	280
Creating Paragraphs with Type Containers.....	282
Selecting alignment or justification.....	284
Ready, BREAK! Hyphenating your text .....	285
Shaping Up Your Language with Warp Text and Type on a Path .....	285
Applying the predefined warps .....	286
Customizing the course with paths .....	287