

FROM THE BEST-SELLING AUTHOR OF *COLOR CORRECTION HANDBOOK*

COLOR CORRECTION LOOK BOOK

CREATIVE GRADING TECHNIQUES
FOR FILM AND VIDEO



ALEXIS VAN HURKMAN

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CORRECTION
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COLOR CORRECTION LOOK BOOK: Creative Grading Techniques for Film and Video

Alexis Van Hurkman

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DEDICATION

To Rod Gross, director and producer, who hired a green young editor and made him learn After Effects 3.0; I blame you for helping start me on a long and successful career.

TABLE OF CONTENTS

INTRODUCTION	viii
1 WORKING WITH LOOKS	1
Developing a Project-Specific Color Vocabulary	1
Splitting the Difference	3
Managing Style Separately	5
Saving a Library of Looks	7
Protecting Skin Tones from Excessive Adjustments	9
2 BLEACH BYPASS LOOKS	15
Simulating the Look	15
3 BLUE-GREEN SWAP	21
4 BLURRED AND COLORED VIGNETTES	23
5 CROSS-PROCESSING SIMULATION	25
Achieving the Cross-Processing Effect Using Curves	27
Tips for Cross-Processed Looks	29
6 DAY-FOR-NIGHT TREATMENTS	31
The Look of Actual Night	32
Creating an Exterior Day-for-Night Look	34
An Interior Day-for-Night Look	39
The Classic “Blue” Day-for-Night Look	43
The Look of Underexposed Video	48
7 DUOTONES AND TRITONES	49
Creating Duotones Using Color Balancing	49
Creating Tritones Using HSL Qualification	50

8 EMULATING FILM STOCKS	53
Print Emulation LUTs	54
Faking Film Emulation	60
9 FILM LOOKS OTHER THAN GRADING	65
Frame Rate and Shutter Speed	65
Interlaced vs. Progressive	68
Depth of Field	69
10 FLAT LOOKS AND FILM FLASHING	71
Film Flashing	71
Building Flat Looks	73
11 FLATTENED CARTOON COLOR	79
12 GLOWS, BLOOMS, AND GAUZE LOOKS	83
Creating Glows Using HSL Qualification	84
Creating Glows Using Matte Extraction	86
Multilevel Glows	88
Creating Glows Using Plug-Ins	90
Aggressive Glows and Broadcast Safe	91
Creating Gauzy Glows Using Superimposed Clips	92
13 GRAIN, NOISE, AND TEXTURE	95
What Is Digital Noise?	95
What Is Film Grain?	96
When Adding Grain and Noise Can Help	98
Simulating Film Grain	98
Compositing Actual Film Grain	99
Composite Modes for Adding Grain	104
Adding Texture to an Image	105
Adding Texture and Grain Using Plug-Ins	107

14 GREENSCREEN COMPOSITING GRADING WORKFLOWS	109
Pregrading Greenscreen Dailies	109
Postgrading Final Composites	110
15 LENS FLARING AND VEILING GLARE	113
Types of Flaring	115
Adding Flaring Using Plug-Ins	117
Faking Flaring Using Windows/Shapes	120
Minimizing Flaring	122
16 LIGHT LEAKS AND COLOR BLEEDS	125
Lighter “Diana Camera” Looks	126
Heavier “Holga Camera” Looks	130
Adding Light Leaks Using Composite Modes and Stock Clips	132
17 MONITOR AND SCREEN GLOW	135
Creating Monitor Glow	136
18 MONOCHROME LOOKS	137
Simple Desaturation	137
Manipulation of Black-and-White Photography	138
Custom Monochrome Using a Channel or RGB Mixer	140
Custom Monochrome Using Layered Operations	141
Different Custom Monochrome Effects	141
19 SHARPENING	145
Sharpening to Add Grit	145
Sharpen to Fix Soft Focus	147
Sharpening in DaVinci Resolve	149
Sharpening in Assimilate Scratch	151
Sharpening in FilmLight Baselight	151
Sharpening in Adobe SpeedGrade	152

20 TINTS AND COLOR WASHES	153
How Do Chromatic Lens Filters Work?	153
Tinting and Toning for Film	156
Artificial Tints and Color Washes	157
Tinting with Composite Modes	158
Creating a Color Matte for Tinting If Your Application Doesn't Have One	162
21 UNDERTONES	165
Undertones Through Careful Grading	165
Specific Undertones Using Curves	166
Specific Undertones Using Log Controls or Five- and Nine-Way Color Controls	167
Specific Undertones Using HSL Qualification	169
22 VIBRANCE AND TARGETED SATURATION	173
Vibrance	173
Targeting High Saturation	175
23 VINTAGE FILM	177
Method 1: Faded Color	178
Method 2: Distressed Dyes	180
Method 3: Dramatic Black and White	181
Method 4: Tinted Black-and-White Film Treatments	183
In Conclusion	191
INDEX	193

INTRODUCTION

Because you do not have to imitate, like painters, sculptors, novelists, the appearance of persons and objects (machines do that for you), your creation or invention confines itself to the ties you knot between the various bits of reality caught. There is also the choice of the bits. Your flair decides.

—Henri Cartier-Bresson (1908–2004)

If you're reading this in the bookstore or online to see whether this book is for you, it's important that you understand what this book is *not*. This book will not teach you the basics of color correction, nor will it teach you how to balance shots in a program to play as a seamless whole, how to isolate features of an image for specific adjustment, or how to achieve desirable skin tone. These topics are all covered in the *Color Correction Handbook: Professional Techniques for Video and Cinema*, which you're advised to read first if you're new to color grading.

This book *will*, on the other hand, show you how to have lots of visual fun stylizing the images your clients give you.

In the ideal world of some cinematographers, the photography of an image would be entirely controlled by the director of photography (DP), primarily via images captured in-camera, with whatever balance of light and shadow, interplay of glow and volume in the lighting, and intended color interaction conceived on the set, recorded faithfully, and enhanced carefully by the colorist under strict supervision for the eventual benefit of the audience. Gordon Willis, A.S.C., articulates this point of view in an interview with Casey Burchby in the May 23, 2013 *LA Weekly*:

In today's moviemaking, you have lost the integrity of the original image. You've lost the integrity of the person who's thought things out and wants a certain thing to be achieved on the screen. Because if you don't have a contract that says no one can change anything, everyone who loves a dial—and they all seem to love dials—gets ahold of it and things turn into magenta, they turn into yellow, they turn into some of the most insane applications of “creative thinking.” There are people who should know better, who have been making movies for a while, who get into this damn room with those dials and they start doing things they never would have thought of doing. They go, “Well, we're here. Let's blow up seven bridges.”

Fair enough.

However, as anyone who's been in production knows, time and budgets are the enemy of grand plans for in-camera effects, and it's often the case that the best intentions are defeated by the need to get through however many pages in a day

are necessary to get back on track. This can make the effects contributions of the grading department essential to achieving a desired look.

Cinematographers who've gone through enough digital grades usually come to understand the range of options that a skilled colorist makes possible. The prudent cinematographer learns to incorporate the knowledge of what sorts of adjustments and looks are easy in post, and—more importantly—which ones are not, and incorporates that knowledge into their shooting strategy.

Thus, the colorist's job is no longer to simply balance, fix, and optimize. Stylizations and effects once created by the film lab are no longer photochemically available. In truth, you the colorist have *become* the lab, and these sorts of image stylizations are now part of your job description.

Additionally, in a world of increasingly flawless digital reproduction of radiometric light, the quality and consistency of digital image capture threaten to become boring, and it's not uncommon for directors to long for the idiosyncrasies and imperfections of older recording methods. Or, they long for you to show them something completely different, to differentiate the look of a given project from the last 50 projects that were shot with that camera.

This book aims to present a useful collection of creative grading techniques designed to give you an arsenal of stylizations you can use when the client asks for something special, unexpected, and unique.

The techniques I present in this alphabetically organized book are the types of corrections you'll make for music videos, advertising spots, and even re-creations and dream sequences within more conventionally graded programs, all of which will benefit from your ability to create something a little more wild. This book presents a variety of strategies that you can experiment with.

And that's the key: I've worked to present techniques that are *strategies* more than they are "looks." Most of the creative techniques I've chosen to cover are highly customizable and can be tailored to suit your particular purposes. More likely, you'll find yourself mixing and matching them in order to create your own unique effects. No two movies, spots, or series will have the same needs, although many of the stylizations you create can be categorized as variations on familiar, recognizable techniques.

Have fun!

SPECIAL THANKS

I want to first extend a very deep, heartfelt thanks to the filmmakers who have graciously allowed me to abuse their work in public within this volume. All of these projects are programs that I've personally graded, and they represent a fair spectrum of what you'll see out in the real world. All were terrific clients to work with, and I sincerely appreciate their contributions to this book:

- Josh and Jason Diamond (directors) for excerpts from their *Jackson Harris* music video and their narrative short, *Nana*.
- Matt Pellowski (director) for excerpts from *Dead Rising*.
- Sam Feder (director) for excerpts from his documentary feature *Kate Bornstein: A Queer and Pleasant Danger*.
- An excerpt from my own narrative short, *The Place Where You Live* (me, Director) is featured as well, and I'd be neglectful if I didn't thank Marc Hamaker and Steve Vasko at Autodesk, who sponsored the project.
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- Jake Cashill (director), for excerpts from his feature-length thriller, *Oral Fixation*.
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I must extend additional thanks for the use of clips from programs I didn't work on but which provide unique qualities that are valuable to the examples I needed to show:

- The nice folks at *Crumplepop* including Gabe Cheifetz, Jed Smentek, and Sara Abdelaal (who shot the material), for a wealth of stock videography they provided me with, as well as other materials from Crumplepop's scanned film grain library and film LUT analyses.
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- Grant Petty, CEO of Blackmagic Design; Peter Chamberlain, Product Manager for DaVinci Resolve, and Rohit Gupta, Director of DaVinci Software Engineering, all of with whom I've been fortunate enough to work with over the years, for sharing as much as they have in both the previous edition and the current one.
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My thanks remain to the original reviewer of this material in the previous edition of *Color Correction Handbook*, Joe Owens, colorist (Presto!Digital), defender of the video engineering faith, and generous contributor to numerous online forums on the topic of grading, for reviewing my original chapters and providing terrific feedback.

I also want to personally thank Karyn Johnson (Senior Editor, Peachpit Press), who initially championed the first edition of the original *Color Correction Handbook*, went on to encourage a second edition when the time was right, and then went the extra mile in convincing Peachpit to publish a whole additional volume when I ended up writing 200 pages too much. Karyn, every colorist who buys both of these books owes you a debt.

Last, but very certainly not least, I want to thank Stephen Nathans-Kelly (Editor), who in *both* editions has gamely reviewed each increasingly enormous chapter, now in both books, for treating my prose and technical content with delicacy; this stuff ain't easy to edit. With Karyn, Stephen, and Peachpit Press's support, I've continued to create exactly the books that I wanted to, with no compromises. I hope you enjoy it.

A NOTE ABOUT IMAGE FIDELITY

In all instances, I took great care to present realistic grades within this book, and yet it's often the case that certain adjustments required exaggeration to be noticeable in print. Unfortunately, knowing that a digital edition was going to be made available, I've been in the unfortunate position of having to serve two masters with a single set of images.

I feel that the results serve the purpose of illustrating the topics admirably, although I cannot guarantee what certain images will look like on every possible digital device to come. To those of you who are reading this on your tablets, phones, smartwatches, augmented reality devices, and VR goggles, I hope you like what you see.

A NOTE ABOUT THE DOWNLOADABLE CONTENT

Throughout this book, you'll see examples of scenes in commercially produced shows that are used to demonstrate various concepts and techniques. The downloadable content includes a wide variety of corresponding QuickTime clips that you can use as a playground for experimenting with the techniques discussed. These clips are the raw, uncorrected source material for each example, and can be imported into any grading application that's compatible with Apple ProRes media. For more information about the media on the disc, please see the Read Me file that accompanies the download.

To access the download, register your book at www.peachpit.com/cclookbook. If you don't already have a Peachpit account, you will be prompted to create one. Once you are registered, go to Account, select the Registered Products tab, and click the "Access Bonus Content" link. Copy the download to any location you prefer on your system.

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CHAPTER 4

BLURRED AND COLORED VIGNETTES

This next technique is another way of using shapes/Power Windows to make some wild iris effects. The basic idea is to use a shape to add a combination of color and/or blur to the outer border of an image. I first pulled this out for a dream-sequence opening in the feature *Oral Fixation*. Shortly thereafter I also saw the same idea used in 2008's *Wanted* (Stephen J. Scott, Supervising Digital Colorist, EFILM) to indicate altered perception for a character's point of view (POV) shot. This technique works best when you're using a shape with an extremely soft edge. In the following example, a soft oval is used to limit a Gaussian blur and Gain color balance adjustment toward red to the outer edge of the image (**Figure 4.1**).

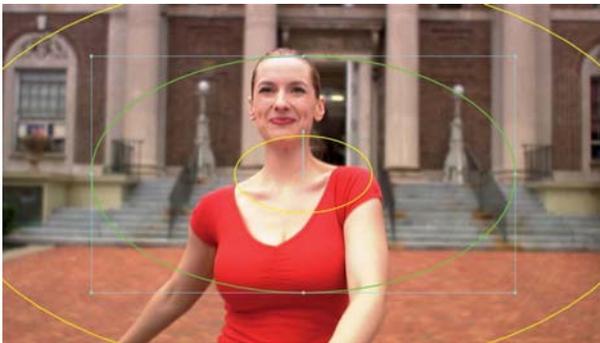


Figure 4.1 A blurred, colored vignette provides an easily altered sense of reality.

This idea can be combined with an aggressive grade inside of the shape or with the cross-processing simulation technique presented in Chapter 5 to create nonlinear alterations to image color.

In **Figure 4.2**, a seemingly innocuous establishing shot of a house is lent a faded, vintage air by virtue of two different curve operations messing with the color channels, one inside and one outside of the vignette.

Figure 4.2 Different cross-processing simulation effects applied to the inside and outside of a vignette. The blurring is already there, courtesy of the moving camera's motion blur.



Never underestimate the effectiveness of a simple vignette.

INDEX

NUMBERS

- 1984, 15
- 24 fps
 - mastering to, 65
 - alternatives to, 67
- 2001: *A Space Odyssey*, flaring in, 114

A

- Abrams, J.J., 113
- absorptive filters, 153. *See also* filters
- Adobe SpeedGrade
 - renaming layers of grades, 8
 - sharpening in, 152
 - tinging in, 163
- Albers, Joseph, 165
- Almodovar, Pedro, 71
- Assimilate Scratch
 - adding grain in, 104
 - composite modes, 19
 - sharpening in, 151

B

- Baselight
 - adding grain in, 102–103
 - Channel Weights, 151
 - Noise Filter, 151
 - Shadow Controls, 151
 - Sharpening Controls, 151–152
 - Soften operator, 94
- black-and-white look, using for vintage film, 181–183
- black-and-white stocks
 - orthochromatic, 138
 - orthopanchromatic, 138
 - panchromatic, 138, 142
 - superpanchromatic, 138
- Bladerunner*, flaring in, 114

- bleach bypass looks
 - adding sharpening, 17
 - composite modes, 19
 - creating contrast, 16–17
 - desaturated correction, 18–20
 - explained, 15
 - increasing shadow density, 19
 - Multiply composite mode, 19
 - node tree, 18
 - Overlay composite mode, 19
 - simple corrections, 16–18
 - simulating, 15–20
 - Soft Light composite mode, 19
- blue channel, noise in, 144
- blue glow, 135–136
- blue look, achieving for moonlight, 43–44
- blue-green swap, 21–22
- blurred vignettes, 23–24
- Burchby, Casey, 113–114

C

- cameras
 - Diana type, 125–129
 - Holga type, 125–126, 130–133
- cartoon color, flattened, 79–81
- chromatic lens filters. *See also* color; filters
 - impact on images, 153–154
 - optical filters, 155
- Cinegrain stock vendor, 105
- Close Encounters of the Third Kind*, 114
- color, rationalizing, 3. *See also* chromatic lens filters; *The Language of Color*
- color contrast, creating, 166
- Color Correction Handbook*, 1, 13, 17, 54, 85
- color map, creating for tinting, 162–163

color treatments, getting ideas for, 4
 color washes
 artificial, 157
 explained, 165
 color wheel
 hues and rationalizations, 3
 Sonochrome tints, 187
 colored lighting, using gels for, 156
 colored vignettes, 23–24
 complexion, integrating with background, 11. *See also* skin tones
 composite modes
 for adding grain, 104–105
 Darken, 161
 Hard Light, 161
 Lighten, 161
 Multiply, 159–160
 Overlay, 160
 Screen, 160
 Soft Light, 161
 tinting with, 158–159
 composites, postgrading, 111–112
 computer monitor, blue glow of, 135–136
 Creative Dojo, 134
 cross-processing
 color negative film, 25
 color reversal slide film, 25
 looks, 29–30
 Redscale, 25–26
 using curves for, 27–28
 curves
 using for cross-processing, 27–28
 using for undertones, 166
 custom monochrome, 140

D

dailies, pregrading greenscreen, 109–110
 Darken composite mode, 161
 DaVinci Resolve
 adding grain in, 100–101
 adding labels to nodes, 8
 Coring features, 149–151
 flare controls, 119
 Mist function for gauzy glows, 93
 omitting skin tones in, 175
 sharpening in, 149–151

 style adjustments, 7
 track grade feature, 6
 day-for-night technique
 classic “blue,” 43–47
 explained, 31
 exterior look, 34–39
 interior look, 39–42
 look of night, 32–34
 moonlight, 43–44
 underexposed video, 48

Dead Rising, 2

Delicatessen, 15

Depth of field, 68

Diana cameras, 125–129

digital noise
 adding to images, 95–96, 98
 explained, 95

distress stock vendors
 MDust dust elements, 107
 Rampant distress effects, 107
 Scratch FX film garbage collection, 107

distressed dyes, using for vintage film, 180–189

duotones, creating using balancing, 49–50

E

Eagles, Warren, 77, 106

Easy Rider, lens flares in, 114

effects, cross-processing, 27–28

Eggers, Ron, 139

environmental lighting, 32

exterior day-for-night. *See* day-for-night technique

F

film, tinting and toning for, 156–157. *See also* vintage film

film flashing, 71–73. *See also* looks

film grain. *See also* grain

 Cinegrain stock vendor, Grain35
 stock vendor

 compositing, 99–104

 during datacine transfer, 98

 Gorilla Grain stock vendor, 105

- Grain35 stock vendor, 105
 - Rgrain stock vendor, 105
 - simulating, 98–99
 - stock vendors, 105
 - during telecine transfer, 98
 - variations, 97
 - film looks
 - 24 fps, 65–66
 - alternatives to 24 fps, 67
 - depth of field, 68–70
 - frame rate, 65–66
 - HFR (high frame rate) formats, 67–68
 - interlaced vs. progressive, 67–68
 - motion blur, 66
 - shutter speed, 65–66
 - film stocks, reversal type, 96
 - FilmLight Baselight
 - adding grain in, 102–103
 - Channel Weights, 151
 - Noise Filter, 151
 - Shadow Controls, 151
 - Sharpening Controls, 151–152
 - Soften operator, 94
 - film-stock emulation
 - applying LUTs in applications, 59–60
 - faking, 61–63
 - print emulation LUTs, 54–59
 - filters. *See also* chromatic lens filters
 - absorptive, 153
 - chromatic lens, 153
 - photographic, 139
 - Wratten, 154
 - final composites, postgrading, 111–112
 - flaring. *See also* lens flares
 - in *2001: A Space Odyssey*, 114
 - in *Bladerunner*, 114
 - faking using windows/shapes, 120–122
 - minimizing, 123–124
 - presets in FX Central, 118
 - recognition by audience, 114
 - types of, 115–117
 - using, 115
 - flashing, 71–73
 - flat looks. *See also* looks
 - adding contrast, 75
 - black point, 73
 - building, 73–77
 - comparing, 76
 - highlights, 73
 - joke about, 71
 - midtone contrast, 73–74
 - saturation, 74
 - tonal range, 76–77
 - vignetting window, 74
 - flattened cartoon color, 79–81
 - flesh tones
 - aggressive grading, 12
 - against cool backgrounds, 13
 - copying forward, 12–13
 - excluding from undertone grades, 168–169
 - HSL Qualification, 10–11
 - isolating, 9
 - manipulating nodes, 12
 - monochrome looks, 143
 - omitting in DaVinci Resolve, 175
 - “orange and teal look,” 13–14
 - overprotected, 14
 - oversaturated, 14
 - protecting, 9–11
 - frame rate, 65
 - Francis, Freddie, 72
 - Freud, Lucian, 173
 - Fullerton, Matthew, 114
 - FX Central, flare presents from, 118
- ## G
- gauzy glows
 - creating, 92–94
 - Mist in DaVinci Resolve, 93
 - Soften operator in Baselight, 94
 - gels, using for colored lighting, 156
 - GenArts
 - S_RackDefocus and S_Defocus Prism, 70
 - Sapphire filters, 91, 108, 117
 - glow filters, 91
 - glows. *See also* looks
 - aggressive and broadcast safe, 91
 - blur, 85
 - “chatters,” 85
 - color balance controls, 85

- contrast controls, 85
- creating using HSL Qualification, 84–85
- creating using matte extraction, 86–88
- creating using plug-ins, 90
- gauzy, 92–94
- monitors and screens, 135–136
- multilevel, 88–90
- superimposing clips, 92–94
- types of, 83

Girls, 71

Goldwyn, Samuel, 137

Gorilla Grain stock vendor, 105

grades, renaming layers of, 8

grading effects

- tinting, 186
- toning, 186

grading workflows, 7

grain. *See also* film grain

- adding in Baselight, 102–103
- adding in DaVinci Resolve, 100–101
- adding in Scratch, 104
- adding to images, 98
- composite modes, 104–105
- plug-ins, 108

grain clips, superimposing, 100

grain layer, creating, 99

grain patterns, 97

Grain35 stock vendor, 105

greenscreen dailies, pregrading, 109–110

H

Hard Light composite mode, 161

HFR (high frame rate) formats, 67

high saturation, targeting, 175–176

Holga cameras, 125–126, 130–133

HSL Qualification

- creating glows, 84–85
- tritones, 51–52
- undertones, 169–171
- using with skin tones, 10–11

Hussey, Dave, 71

I

interior day-for-night look

- brightness, 40
- color temperature, 39
- creating, 40–42
- even lighting, 40

interlaced vs. progressive, 67–68

J

Jones, Loyd A., 184–185, 188, 192

K

Kovács, László, 114

L

The Language of Color, 2, 185. *See also* color

leaking light, building, 125–126

lens flares. *See also* flaring

- Easy Rider*, 114
- occurrence of, 114
- use in *Star Trek*, 113

light leaks

- adding, 127, 133
- animating, 129
- composite modes, 133–134
- examples, 133
- motionvfx 2k, 134
- overlapping, 128
- stock clips, 133–134
- streaks, 129

Lighten composite mode, 161

Livesey, Giles, 71, 74, 175

looks. *See also* film flashing; flat looks;

- glows; vintage film
- actual night, 32–34
- applying adjustments, 5
- big-glow effects, 83
- bleach bypass, 15–20
- blue-green swap, 21–22
- blurred vignettes, 23–24
- color treatments, 4
- color vocabulary, 1–3
- colored vignettes, 23–24

- cross-processing, 29–30
- duotones, 49–50
- exterior day-for-night, 34–39
- film other than grading, 65–70
- flattened cartoon color, 79–81
- gauze effects, 83
- grading workflows, 7
- Holga cameras, 130–133
- hues and emotions, 3
- interior day-for-night, 39–42
- light leaks, 129
- lighter “Diana camera,” 126–129
- managing style, 5–7
- monochrome, 137–144
- professional workflow, 5
- renaming layers of grades, 8
- S curves, 29
- saving library of, 7–8
- skin tones, 9–12
- splitting the difference, 3–5
- streaks, 129
- subtle glows, 83
- toy camera effects, 126
- tritones, 51–52
- underexposed video, 48
- vignettes, 23–24
- Luckiesh, Matthew, 2
- luma channel
 - extraction of, 137
 - sharpening, 151
- luminosity, 19
- LUTs
 - applying in applications, 59–60
 - print emulation, 61–63
 - using to emulate film, 55–59

M

- Maschwitz, Stu, 13
- matte extraction, 86
- Marshall, Gray, 109
- Meyer, Mark-Paul, 186
- Mindel, Daniel, 113
- Miro, Tony, 13
- Mist function, using for gauzy glows, 93
- monitor and screen glow, 135–136

- monochrome looks
 - black-and-white photography, 138–139
 - blue channel, 144
 - channels, 140–141
 - customizing, 140–144
 - desaturation, 137
 - layered operations, 141
 - luma channels, 137
 - photographic filters, 139
 - RGB Mixers, 140–141
 - skin tones, 143
 - splitting color channels, 141
 - Wratten filters, 139
- moonlight
 - creating “blue” look, 45–47
 - perceiving as blue, 43–44
- motion blur, adding, 66
- MotionBlur, 66
- motionvfx 2k light leaks, 134
- Mullen, David, 72
- Multilevel glows, 88
- Multiply composite mode, 159–160

N

- night. *See* day-for-night technique
- nodes
 - adding labels to, 8
 - manipulating for skin tone, 12
- noise
 - adding to images, 95–96, 98
 - explained, 95

O

- optical filters
 - impact on color, 155
 - impact on contrast, 155–156
 - “orange and teal look,” 13–14
- orthochromatic stocks, 138
- orthopanchromatic stocks, 138
- Overlay
 - blending mode, using for grain, 104–105
 - composite mode, 160

P

panchromatic stocks, 138, 142
 Peli, Eli, 114
Photographer's Filter Handbook, 139
 photographic filters, 139
 plug-ins, 90, 108, 117
 postgrading final composites, 111–112
 pregrading greenscreen dailies, 109–110
 Prosenc, Natasa, 69
 pull processing, 72
 Purkinje, Johannes, 43

R

Read, Paul, 186
 Redscale technique, 25–26
 ReelSmart Motion Blur, 66
 Resolve, *see* DaVinci Resolve
Restoration of Motion Picture Film, 186
 Rgrain stock vendor, 105

S

Sapphire glow filters, 91
 Sat vs. Sat curve, 173
Saving Private Ryan, 15
 scotopic vision, 44
 Scratch

- adding grain in, 104
- composite modes, 19
- sharpening in, 151

 Screen composite mode, 160
 screen glow, 135–136
 SGO Mistika, Sat vs. Sat curve in, 173
 shadow density, increasing, 19
 sharpening

- to add grit, 145–146
- adding, 17
- in Baselight, 151–152
- in DaVinci Resolve, 149–151
- fixing soft focus, 147–149
- luma channel, 151
- in Scratch, 151
- in SpeedGrade, 152
- using, 145

 Sholik, Stan, 139
 shutter speed, 65

silver retention

- adding sharpening, 17
- composite modes, 19
- creating contrast, 16–17
- desaturated correction, 18–20
- explained, 15
- increasing shadow density, 19
- Multiply composite mode, 19
- node tree, 18
- Overlay composite mode, 19
- simple corrections, 16–18
- simulating, 15–20
- Soft Light composite mode, 19

 skin tones. *See also* complexion

- aggressive grading, 12
- against cool backgrounds, 13
- copying forward, 12–13
- excluding from undertone grades, 168–169
- HSL Qualification, 10–11
- isolating, 9
- manipulating nodes, 12
- monochrome looks, 143
- omitting in DaVinci Resolve, 175
- “orange and teal look,” 13–14
- overprotected, 14
- oversaturated, 14
- protecting, 9–11

 skip bleach

- adding sharpening, 17
- composite modes, 19
- creating contrast, 16–17
- desaturated correction, 18–20
- explained, 15
- increasing shadow density, 19
- Multiply composite mode, 19
- node tree, 18
- Overlay composite mode, 19
- simple corrections, 16–18
- simulating, 15–20
- Soft Light composite mode, 19

 soft focus, sharpening, 147–149
 Soft Light composite mode, 161
 Sonochrome film stocks, 187
 “Soup du Jour,” 15
Souvenir, 69

SpeedGrade
 looks in, 54
 renaming layers of grades, 8
 sharpening in, 152
 tinting in, 163
 splitting the difference, 3–5
Star Trek, use of lens flares in, 113
 styles
 managing in looks, 5–7
 vs. neutral grades, 6
 saving variations of, 8
 superpanchromatic stocks, 138

T

targeted high saturation, 175–176
 texture, adding to images, 105–108
Thelma and Louise, 31
Three Kings, 15
 tinted black-and-white film treatments.
See also vintage film
 channel mixing, 190
 creating effects, 189–191
 moods and passions, 188–189
 overview, 183–184
 Sonochrome film stocks, 187
 “Tinted Films for Sound Positives”
 Afterglow, 188
 Amaranth, 189
 Aquagreen, 188
 Argent, 188
 Azure, 189
 Candleflame, 188
 Caprice, 189
 Firelight, 188
 Fleur de lis, 189
 Inferno, 189
 Nocturne, 189
 Peachblow, 188
 Purplehaze, 189
 Rose Dorée, 188
 Sunshine, 188
 Turquoise, 189
 Verdantè, 188
 tinting
 with composite modes, 158–159
 creating color map for, 162–163
 explained, 186

for film, 156–157
 in SpeedGrade, 163
*Tinting and Toning of Eastman Positive
 Motion Picture Film*, 156
 tints
 artificial, 157
 explained, 165
 toning
 explained, 186
 for film, 156–157
 toy camera effects, 126
 track grade feature, 6
 tritones, creating using HSL
 Qualification, 51–52

U

underexposed video look, 48
 undertones
 alternatives to green, 171
 excluding skin tones from grades, 168
 explained, 165
 five-way controls, 167–168
 HSL Qualification, 169–171
 log-style controls, 167–168
 nine-way controls, 167–168
 skin tone omission, 169
 through grading, 165–166
 using curves for, 166

V

Van Gogh, Vincent, 125
 veiling glare, occurrence of, 114
 vibrance
 achieving, 173–174
 explained, 173
 omitting skin color, 175
 Sat vs. Sat curve, 173
 vignettes, 23–24
 vintage film. *See also* film; looks; tinted
 black-and-white film treatments
 aspect ratios, 180
 distressed dyes, 180–189
 dramatic black and white, 181–183
 faded color, 178–179
 simulating look of, 177

W

websites

- Cinegrain stock vendor, 105
- distress stock vendors, 107
- film grain stock vendors, 105
- Gorilla Grain stock vendor, 105
- Grain35 stock vendor, 105
- MDust, 107
- MotionBlur, 66
- motionvfx 2k light leaks, 134
- Rampant design tools, 107

- ReelSmart Motion Blur, 66
- Rgrain stock vendor, 105
- Scratch FX film garbage collection, 107
- stock vendors, 105
- texture stock vendors, 107

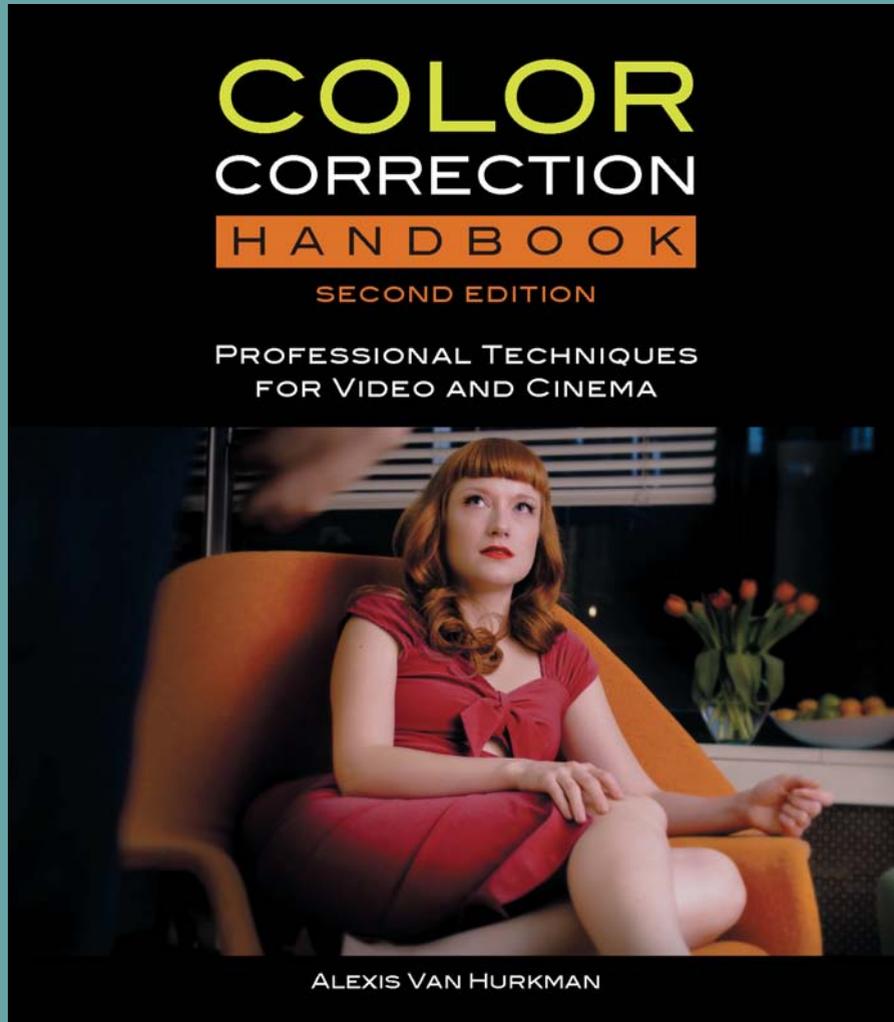
workflows

- grading, 7
- managing style, 5–7

Wratten, Frederick, 154

Wratten filters, 139

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