

Color And Mastering For Digital Cinema A Digital Cinema Industry Handbook

Major Label Mastering: Professional Mastering Process distills 25 years of mastering experience at Capitol Records into practical understandings and reliable systems. Containing unparalleled insights, this book reveals the mastering tricks and techniques used by Evren Göknaar at one of the world's most notable record labels. Beginning with the requisite competencies every Mastering Engineer must develop, Major Label Mastering delves into the particulars of the mastering studio, as well as fundamental mastering tools. Included among these tools is The Five Step Mastering Process, a rigorously tested system that equips the practitioner to successfully and confidently master a project to exacting standards of audio fidelity. Covering all bases, the book discusses both macro and micro considerations: from mindset approach and connecting with clients down to detailed guidelines for processing audio, advanced methods, and audio restoration. Each chapter ends with exercises intended to deepen understanding and skill, or to supplement course study. Suitable for all levels, this is a unique resource for students, artists, and recording and Mastering Engineers alike. Major Label Mastering is supplemented by digital resources including audio examples and video tutorials.

Digital Type and Colour emphasizes the importance of mastering two fundamental principles of traditional typography -- type and colour -- in order to work effectively on screen. The book opens with an examination of the basics of type and colour (with a large section of samples for quick reference). It then explores a more experimental approach to the use of colour and type, with the author detailing traditional typographic rules and investigating ways of breaking those rules to achieve new and innovative design. A wide variety of academic and professional case studies reveal the methods and rationale behind the work profiled. A useful reference book for all graphic designers, Digital Type and Colour provides a fresh set of possibilities for screen work.

* An overview of digital cinema system requirements * Post production work flow * Color in digital cinema * The digital cinema mastering process * Fundamentals of compression * Security * Basics of audio * Digital distribution * Digital projection technology * Theater systems * The international perspective: Views from Europe, Asia and Latin America * A realistic assessment of the future of digital cinema With contributions by: Richard Crudo, President, American Society of Cinematographers Leon Silverman, Executive Vice President, Laser Pacific Media Corporation Charles Poynton, Color Scientist Chris Carey, Senior Vice President, Studio New Technology, The Walt Disney Studios Bob Lambert, Corporate Senior Vice President New Technology & New Media, The Walt Disney Company Bill Kinder, Pixar Animation Studios Glenn Kennel, DLP Cinema Peter Symes, Manager, Advanced Technology, Thomson Broadcast & Media Solutions Robert Schumann, President, Cinea, Inc., -

"Mixing and mastering, the two final steps in the complex process of sound engineering, require both artistic finesse and technical facility. Even the slightest difference in the way a sound is processed can lead to a shift in the overall aesthetic of a piece, and so sound engineers must work towards an understanding of sound engineering that is particularly oriented towards the artistic and aesthetic. In order to create effective mixes, a sound engineer must maintain a distinct set of artistic goals while drawing on an in-depth understanding of the software involved in the process. Creating final masters requires specialized aural skills and a similarly advanced understanding of the software in order to fine-tune the product with respect to these goals. Mixing and Mastering in the Box addresses the practical and technological necessities of these two final steps without neglecting the creative process that is integral to the creation of high-quality recordings. Savage focuses primarily on creating mixes and masters in the Digital Audio Workstation (DAW), or "in the box," currently a popular platform in the field of sound engineering due to the creative advantages and advanced technological capabilities it offers to its users. However, much of the information presented in Mixing and Mastering in the Box is also applicable to analog mixing gear or a hybrid system of digital and analog tools. This book, which features over one hundred illustrations and a comprehensive companion website, is ideal for beginning or intermediate students in sound engineering with a focus on DAW, recording artists who do their own mixing and mastering, or musicians who wish to be better informed when collaborating on mixes and masters"--

One of the reasons knitting and colorwork master Melissa Leapman first learned to knit was her wish to make one special project—a sweater using Fair Isle technique. Now, for the first time, she brings her passion for advanced color knitting to knitters who want to knit with any and every color of yarn they can wrap around their needles. Conquer classic stranded knitting, "draw" images in yarn using intarsia, and make two projects in one with reversible double knitting. Leapman's clear instruction proves that knitting with multiple colors may appear more complex, but it doesn't have to be difficult. She includes the quickest, easiest, and most intuitive methods for each technique, using knowledge honed over years of color knitting workshops with knitters from across the country. Once you've learned the basics, practice your new skills by creating projects for yourself, your friends, and everyone on your gift list. Each chapter includes a handful of sample projects to get you started, a Designer Workshop that teaches you important concepts in every designer's toolbox, and a pattern treasury of unique patterns to apply to projects of your own creation—more than 50 patterns and 12 projects in all. Throughout, Leapman's helpful collection of how-tos, diagrams, tips, and hints (including a refresher course in color theory to help you choose the perfect color combinations) makes Mastering Color Knitting the book you'll turn to for information and inspiration time and time again.

Color and Mastering for Digital Cinema explores the implications for motion picture post production processes and changes required to the supporting equipment and software. While a new concept to the motion picture community, the selection of the wide gamut, output-referred XYZ color space for digital cinema distribution is based on decades of color science and experience in other industries. The rationale for choosing XYZ and the other color encoding parameters is explained and the book also provides a full case

study of the development of DLP Cinema® projectors by Texas Instruments. Finally, this book explores how the XYZ color encoding concept can be extended to support enhanced display technologies in the future. This book contains: * Brilliant 4-color illustrations that compliment the color science explanations * Never before published industry information from author Glenn Kennel, a world leader in digital cinema color technology * Descriptions of key issues and background on decisions that were made in the standardization process By Glenn Kennel, Glenn Kennel is VP/GM of Feature Film Services at Laser Pacific Media Corporation, a leading provider of a full range of post production services for television and feature film. Recently, he worked for the DLP Cinema group of Texas Instruments in a role that included technology and business development. Previously, in a twenty year career with Kodak, he led the development of the Cineon digital film scanners and laser recorders and the prototype HDTV telecine that became the Spirit Datacine. As a consultant, he helped DCI draft the technical specifications for digital cinema. Kennel also chairs the SMPTE DC28 Color ad hoc group and the DC28.20 Distribution working group. He is a SMPTE Fellow and has received the SMPTE Journal Award. He is also a member of the Academy of Motion Picture Arts and Sciences.

Comprehensive, heavily illustrated volume introduces the concepts and techniques of digital image capture, including exposure, composition, histograms, depth of field, advanced lighting, lens filters, shutter speed, and autofocus. Learn the core concepts and techniques you need to know to take better photos, from choosing the best lens for your stylistic goals to selecting the right camera settings for different lighting conditions. With clear explanations and highly visual examples, Sean T. McHugh takes you from basic concepts like exposure and depth of field to more advanced topics, such as how camera lenses and sensors capture light to produce images. You'll learn not only which camera settings to use in different situations but also the reasons why. Learn how to: - Choose lenses that give greater control over perspective - Minimize image noise by understanding how digital sensors work - Get the exposure you want even in fog, mist, or haze - Improve hand-held shots by mastering shutter speed and autofocus - Use tripods, lens filters, and flash to enhance image capture Whether you want to understand digital photography at a deeper level or simply want to take better photos, *Understanding Photography* will help you get the most out of your camera.

The beauty of a watercolor painting lies in its diaphanous layers, delicate strokes, and luminous washes. However, the very features that define the beauty of the medium can make it difficult to master. This complete guide to understanding the relationships between color, value, wetness, and composition unravels the mysteries of watercolor to help your practice evolve. Experienced teacher and acclaimed artist Tom Hoffmann offers a unique, inquiry-based approach that shows you how to translate any subject into the language of watercolor. With Hoffmann as your guide, you'll learn the key questions to ask yourself at every turn and time-tested methods to help you reach solutions. Hoffmann's thorough explanations and step-by-step demonstrations delineate the process of composing a painting in watercolor, while art from more than thirty-five past and present masters, including John Singer Sargent, Ogden Pleissner, George Post, Emil Kosa, Jr., Mary Whyte, Trevor Chamberlain, Lars Lerin, Torgeir Schjølberg, Piet Lap, Leslie Frontz, and Alvaro Castagnet serve to illustrate and inspire. Whether you're a serious beginner or a seasoned practitioner, this book will guide you toward the all-important balance between restraint and risk-taking that every watercolorist seeks.

Artistry is the key word here: When competent doesn't cut it. When what you're going for is museum-quality art prints, high-end advertising effects, and dizzyingly beautiful digitally manipulated images, this is the place to start. Providing a focused approach to the advanced features of Photoshop CS, this beautiful full-color guide tackles complex yet essential topics like color calibration and correction. Along the way, you'll learn how Photoshop's newest features-Photomerge technology (which allows you to create seamless panoramas from multiple images), enhanced Camera Raw support, an improved File Browser, nonsquare pixel support, and more-can aid in your quest for the perfect image. Throughout, the authors emphasize the relationship between Photoshop CS tools and traditional photography to provide essential context for complex tasks. The knowledge is sure to stick as you work your way through the detailed, step-by-step exercises and use the companion CD to view before-and-after images and access masks and tool settings for the book's tutorials.

First published in 2012. Focal Press is an imprint of the Taylor & Francis Group, an informa business.

This book provides an in-depth understanding of digital imaging tools, presenting the why as well as the how behind techniques while still presenting the photographers creative vision.

The digital colorist's job is no longer to simply balance, fix, and optimize. Today's filmmakers often want to recreate the idiosyncrasies of older recording methods, or are looking for something completely new, to differentiate the look of a given project. Furthermore, end-to-end digital shooting, postproduction, and distribution means that stylizations and effects once created by the film lab are no longer photochemically available. The color grading suite has become the lab, and these sorts of stylizations are now part of the colorist's job description. In this follow-up volume to the bestseller *Color Correction Handbook*, Alexis Van Hurkman walks you through twenty-one categories of creative grading techniques, designed to give you an arsenal of stylizations you can pull out of your hat when the client asks for something special, unexpected, and unique. Each chapter presents an in-depth examination and step-by-step, cross-platform breakdown of stylistic techniques used in music videos, commercial spots, and cinema. These customizable techniques can be mixed and matched for your own unique effects and include: • bleach bypass looks • cross-processing simulation • day-for-night treatments • emulating film stocks • flat looks • glows, blooms, and gauze looks • grain, noise, and texture • greenscreen compositing workflows • lens flaring and veiling glare • light leaks and color bleeds • monitor and screen glow • monochrome looks • sharpening • tints and color washes • undertones • vibrance and targeted saturation • and many more!

Millions of people have learned to draw using the methods of Dr. Betty Edwards's bestseller *The New Drawing on the Right Side of the Brain*. Now, much as artists progress from drawing to painting, Edwards moves from black-and-white into color. This much-awaited new guide distills the enormous existing knowledge about color theory into a practical method of working with color to produce harmonious combinations. Using techniques tested and honed in her five-day intensive color workshops, Edwards provides a basic understanding of how to see color, how to use it, and-for those involved in art, painting, or design-how to mix and combine hues. Including more than 125 color images and exercises that move from simple to challenging, this volume explains how to: see what is really there rather than what you "know" in your mind about colored objects perceive how light affects color, and how colors affect one another manipulate hue, value, and intensity of color and transform colors into their opposites balance color in still-life, landscape, figure, and portrait painting understand the psychology of color harmonize color in your surroundings While we recognize and treasure the beautiful use of color, reproducing what we see can be a challenge. Accessibly unweaving color's complexity, this must-have primer is destined to be an instant classic.

First published in 2014. Routledge is an imprint of Taylor & Francis, an informa company.

Written both for students and working professionals, this book walks readers step-by-step through the foundations of color grading for projects of any size, from music videos and commercials to full-length features. In this clear, practical, and software-agnostic guide, author Charles Haine introduces readers to the technical and artistic side of color grading and color correction. Color Grading 101 balances technical chapters like color-matching, mastering, and compression with artistic chapters like contrast/affinity, aesthetic trends, and building a color plan. The book also includes more business-focused chapters detailing best practices and expert advice on working with clients, managing a team, working with VFX, and building a business. An accompanying eResource offers downloadable footage and project files to help readers work through the exercises and examples in the book. This book serves as a perfect introduction for aspiring colorists as well as editors, cinematographers, and directors looking to familiarize themselves with the color grading process.

Color and Mastering for Digital Cinema Taylor & Francis

"Photographers learn to maximize color skills to create images that match their own unique visions with this practical and comprehensive guide to creative color photography. The science behind color—what it is, how we see it, and how it changes—is explored in depth. Presented are the scientific principles behind light; the technical aspects of film and processing; and information about how weather affects results, how to use filters and photographic gels to maximize color saturations, and how to correct unwanted color casts. An artistic study of color is also included, with commentary on the properties of color and shade, the psychological effects of color, the tenets of color harmony, and the uses of advancing and receding colors. Also discussed are alternative processes such as using daylight film in tungsten lighting (and vice versa), using extreme close-up to capture details, and using color infrared film to capture invisible light."

A book filled with over 300 dramatic images from master photographers explains how to use optical and digital filters, including post-processing filters in Photoshop, to produce stunning effects by best understanding and managing light, contrast, color, and special effects. Original.

Master composition and design to take your photos from okay to wow You already own the most important photography tool—your creative eye. With this book, you'll learn how classic design and composition principles can be applied to a wide range of photographic situations to create images with impact. Jim Miotke and Kerry Drager, both veteran photographers and experienced instructors, share time-tested design guidelines, composition techniques, even tips on when to break the rules, that will transform the way you make photographs.

The Digital Intermediate process (DI), or conversion of film to digital bits and then back to film again, has great potential to revolutionize the postproduction process. The skill set to photochemically process a movie and pop it into a canister for the postal service to send around to all of the movie houses and the skill set to digitally master and create a file that is distributed globally via the Internet and satellites are completely different. One of these entirely new processes is that of the digital intermediate. The DI has tremendous advantages, ranging from improved quality (first "print" is as good as the last) to cost savings (no re-mastering) to digital distribution (bits and bytes: no film in canisters). The DI influences everything from on set production to the delivery of content to consumers and everything in between. Digital Intermediates for Film and Video teaches the fundamental concepts and workflow of the digital intermediate process. Covers basics of film first, and then introduces the digital world—including a tutorial on digital images, asset management, online editing, color correction, restoration, film and video output, mastering and quality control. Jack's clear and easy-to-follow explanation of Hollywood buzz words and components facilitates the spill over to anyone who has a vested interest in the quality and cost of the movie.

The colorist is responsible for the critical final stage of refinement of the film and broadcast image. Using all of the controls modern color correction software provides, colorists refine the mood, create style, add polish to scenes, and breathe life into the visuals. The craft of color correction can take considerable trial and error to learn, while the art of color grading takes years to perfect. Alexis Van Hurkman draws on his wealth of industry experience to provide a thoroughly updated edition of what has become the standard guide to color correction. Using a friendly, clear teaching style and a slew of real-world examples and anecdotes, Alexis demonstrates how to achieve professional results for any project, using any number of dedicated grading applications, or even an editing program's built-in color correction tools. From the most basic methods for evaluating and correcting an overall image to the most advanced targeted corrections and creative stylizations, Color Correction Handbook, Second Edition, is your one-stop guide. Among many valuable concepts and techniques, you'll learn to:

- Set up a professional color correction environment using the latest technologies and adhere to the most up-to-date standards
- Work with log-encoded media and LUTs
- Analyze shots quickly and correct errors of color and exposure
- Create idealized adjustments for key features such as skin tone, skies, and product shots
- Develop strategies for balancing clips in a scene to match one another for continuity, and grading greenscreen clips destined for visual effects
- Master a variety of stylistic techniques used to set a scene's mood
- Apply principles of color and contrast to add depth and visual interest
- Browse valuable research about memory colors, audience preferences, and critical corrections for achieving appealing skin tones and controlled environments
- Follow along with the downloadable files that accompany this book, including HD footage, cross-platform exercises, and project files.

Renowned photographer and author Michael Freeman provides a thorough look at the essential ways of dealing with color that will help photographers create striking color digital photographs. Using helpful tips and exercises, he covers everything from capture and calibration to workflow management and output.

"A must-read for those who want to enhance their digital photography experience." —George Schaub, Editorial Director, Shutterbug and eDigitalPhoto magazines With a three or more megapixel digital camera or a good scanner, affordable image-editing software, and a photo-realistic printer, you have all the tools you need to create absolutely stunning images. But understanding all your options and getting the best possible results can be daunting. What features should you look for in a digital camera? What accessories do you need? How do you capture the best possible images with your digital equipment—and make corrections when you don't? What are the advantages of RAW capture? How can you get consistently great prints? Peter K. Burian, coauthor of the best-selling National Geographic Photography Field Guide, has taken the digital plunge and lived to write about it. The result is a practical, accessible guide that demystifies the world of digital photography and imaging—a must-read whether you're a photography enthusiast making the leap to

digital, a gadget lover looking for the latest technology, a novice photographer, or anybody who regularly works with images. Inside you'll find: A buyer's guide to the essential equipment and software: learn the pros and cons of compact digicams versus digital SLR cameras; choose a suitable scanner; find the right imaging program for your needs; select the perfect photo printer Focusing, composition, and lighting tips for making snapshots that you'll be proud of Pro tips and techniques for using all your camera's advanced features Techniques for getting scans of exceptional quality, whether you're scanning prints, slides, or negatives Recommendations on upgrading your computer and peripherals for digital imaging Professional methods for fine-tuning your images in the digital darkroom Techniques for creating color or black-and-white prints of exhibition quality Tips on optimizing your images for use in e-mail, online albums, and web pages

Offering a thorough introduction to the digital color process, a comprehensive manual furnishes essential information on digital color control for imaging, photography, digital photography, and computer graphics and covers such topics as color theory, color workflow models, lighting, RGB, digital capture control, the calibration of monitors, output systems, color control for black-and-white images, and more. Original. (Intermediate)

New York Times Bestseller Over 2.5 million copies sold For David Goggins, childhood was a nightmare - poverty, prejudice, and physical abuse colored his days and haunted his nights. But through self-discipline, mental toughness, and hard work, Goggins transformed himself from a depressed, overweight young man with no future into a U.S. Armed Forces icon and one of the world's top endurance athletes. The only man in history to complete elite training as a Navy SEAL, Army Ranger, and Air Force Tactical Air Controller, he went on to set records in numerous endurance events, inspiring Outside magazine to name him The Fittest (Real) Man in America. In this curse-word-free edition of Can't Hurt Me, he shares his astonishing life story and reveals that most of us tap into only 40% of our capabilities. Goggins calls this The 40% Rule, and his story illuminates a path that anyone can follow to push past pain, demolish fear, and reach their full potential.

In Drawing with a Tablet: Easy Techniques for Mastering Digital Drawing on Location, readers will learn step by step how to create amazing drawings while on the go. In the sixth volume of the Urban Sketching Handbook series, popular artist and workshop instructor Uma Kelkar shows sketchers how to take their digital drawing to the next level. Whether you are new to sketching or wish to try the latest technology, this useful guide share expert tips and techniques for drawing on a tablet. With a focus on using the ProCreate tool, but with information that is relevant to other digital platforms, you will start with the basics, such as opening your file, choosing your resolution, determining your palette, and how to simplify your tools by creating a preferred set of brushes. The book also covers using layers and groups of layers, and shows you how to create a sketch from start to finish. Whether you are drawing at home, en plein air, on the go, or even at night, learn how to enliven your digital drawings and enhance your skills.

The whole world of photography is here presented in a single volume, allowing amateur and professional alike to develop their craft and get the perfect picture in any situation. Covering digital technology and techniques from a photographers perspective, the book will guide the reader through every aspect of photography: there are tips and techniques for studio and location shooting, plus advice on managing light and manipulating your original capture to obtain the best possible result. Mastering Digital Photography, first published in hardback in 2008, has established itself as one of the most succesful popular references in the field. This new paperback, accessibly priced, is sure to bring Michael Freemans work to a new, and keen, audience of readers.

In its 114th year, Billboard remains the world's premier weekly music publication and a diverse digital, events, brand, content and data licensing platform. Billboard publishes the most trusted charts and offers unrivaled reporting about the latest music, video, gaming, media, digital and mobile entertainment issues and trends.

Black and white has an enduring appeal that just keeps on growing. Above all, it's a medium for the fine print--one that benefits immeasurably from digital technology and inkjet printers. Written by a photographer well-known for his ability to explain complex digital concepts to a variety of audiences, this essential guide on the art of black and white is packed with information, hints, and tips, along with a plethora of stunning images. Discover how our colorful world translates into black and white and how to create a stunning monotone image. See how to render colors as gray tones and how to manipulate the tonality for dramatic effect. Experiment with high contrast, infrared, and pseudo non-silver looks. You won't believe the wonderful results you'll achieve.

Learn to create any color from a basic palette of just 11 colors!

What if you could create any color you wanted, from a basic palette of just 11 colors? That is what the art of color mixing is all about. And once you master it, you will be able to create a broad range of all the colors you might need. Your options will be limited only by your imagination.

In this color mixing book, Isabelle Roelofs and Fabien Petillion first walk you step by step through the basics of watercolor pigments, paper, and color mixing techniques. Using just 11 colors, you'll learn to bring more variety to your primary colors, create basic colors (such as Payne's Gray and Van Dyke Brown), and create your own secondary colors. This approach works no matter what brand of paints you use, as each of the 11 colors is identified by its universal pigment color (such as PY154).

