

Applied Color Management Basics

AGENDA

DAY 1

- An introduction to color. Color management basics
 - Color perception
 - Color communication
 - Device color spaces (RGB/CMYK/CMYK+Gamut extending colors)
 - How ICC profiles work
 - Rendering intents
 - Influence of light / Viewing conditions
 - Color difference metrics – What is Delta E and what does it mean?
 - How to communicate colors accurately – CMYK/RGB, Lab and spectral data
 - Communicating colors with different file types (TIFF vs. PDF vs. others)

- Color measurement
 - Overview of current devices
 - Which device should be used for certain applications.
 - Is there a “best” device? Hint: no.
 - Measurement modes and their usages

- ICC profiles
 - Input profiles for RGB, CMYK and greyscale
 - Impact of input settings (Profiles and Rendering Intents)
 - Profile Connection Space or Device Links? What are the differences, what are the benefits?
 - Output/printer profile options
 - How to setup an automated workflow.

DAY 2

- Printer calibration
 - Prerequisite: Know your printer behaviour
 - Influences of screening methods
 - Linearization / G7 calibration
 - What to look for and what to avoid in order to accurately optimise ink laydown
 - Identifying potential measurement issues
 - Profiling and profile settings
 - Black generation methods / Ink saver
 - ICC structure
 - Identifying potential problems
 - Evaluation of a profile
 - Gamut viewers and what they can be used for

- Spot colors in digital workflows
 - Dedicated ink channel vs. color replacement
 - What does Pantone coverage mean?
 - Assessing the results before printing (Color Preflight)
 - Proofing / Softproof

- Summary and Recommendations – QA

Register here:

<https://www.colorgate.com/color-management-webinar/>