



# Adobe Photoshop for Printing with Colour Management

**Duration:** 1 Day

**Pre Requisites:**

Baic understanding of Photoshop and Students must have good working knowledge of the operating system.

**Colour Workflows**

Colour Modes: RGB/ CMYK/ LAB  
What is Colour management  
The Colour management workflow

**Colour by Numbers**

Numerical values versus perceptual values  
Hexadecimal Colour values  
HTML Colour Values  
Hybrid Workflows

**Calibration and Profiling**

Calibrate and Profile your Monitor  
Gamma values  
White Point Values  
Adobe Gamma Control Panel

**Selecting a Working Colour Space in Photoshop**

Preparing images for the Web  
Preparing images for Desktop Printing  
Preparing images for Commercial Printing  
Colour Settings

**Open and Convert Images**

Opting not to Colour manage your Mismatched Images  
Discarding Profiles  
Converting to a Particular Colour Space  
Converting to working space  
Converting Untagged Images Manually

**Printing and Colour Management**

Downloading and Installing ICC Profiles

**Proof setup and proof Colours**

Printing with Colour Management  
Converting Profiles when printing

# **Adobe® Photoshop CS4 - Photo Printing and Colour**

## **RGB Colour Adjustments**

Meet Colour Correction Objectives  
Create as much contrast while remaining believable  
maximize highlights without 'blowing them out'  
maximize shadows without 'blocking' them  
use the info palette to set Colour samples and saturation  
Eliminate Colour casts  
Adjust for 'memory Colours'  
Adjust Saturation by using the Gamut Warning Command

## **Locate Shadows/ Midtones and Highlights**

Use Photoshop's Image adjustments for Image correction:  
The Histogram

## **Working with the Levels palette**

Using The Sliders option  
Determining And Correcting possible saturated/ Clipped areas  
Using the Eyedroppers

## **Working with the Curves palette**

Input and Output settings  
Photographers grey card simulation  
Making basic Curves Adjustments  
Marking Points on Curves  
Working with RGB vs CMYK images  
Adjusting shadow areas independantly –reducing blocking  
Using In Context editing  
Eliminating Colour casts  
Saving Presets

## **Creating CMYK Separations**

Colour Settings for Prepress  
Choosing a RGB Colour space for printing  
Custom CMYK ink settings  
Adjusting Dot Gain  
Setting Separation Options  
Setting Conversion Options

## **Calibrating a Proof**

Calibrating by Number values  
Adjusting Out of Gamut Colours  
Colour Separating Images

## **Greyscale and Spot Colours**

About Greyscale mode and conversions  
Maximizing contrast when Converting from RGB to Greyscale/ Adjustments

## **Duotones**

Creating a Duotone  
Modifying the Duotone Curve

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## **Spot Colour Images**

- Creating a spot Colour channel
- Converting RGB Colours to Spot Tints
- Trapping Spot Colours
- saving the DCS File Format

## **Appendix A: Commercial Printing Conditions**

- Conditions Affecting Print Output:
  - Paper Type
  - Press Type
  - Dot Gain
  - Ink Limits
  - Halftone Frequency
  - Trapping

## **Appendix B: Choosing Image resolution**

- Typical Printing Conditions and Appropriate Screens and Resolutions:
  - Image Type
    - Line art/ Black and White/ Greyscale Halftoned/ CMYK
  - Output Type – Halftone and Press Printer/ Internet/ Slide

## **Colour Management**

- Colour Managing The Suite through Adobe Bridge
- Colour Managing various applications with the Colour Settings Dialog Box
- Setting up Working Spaces
- Setting up Colour Management Policies and Warnings
- Understanding Colour Conversion Options

## **Colour Profiles**

- Understanding Colour Profiles
- Understanding the critical nature of management, Profiles and Workflow
- Proof SetupProofing an Image against various profiles
- Simulating a Printer on screen
- Assigning a Colour Profile
- Converting a Colour Profile
- Working with Imported Colour Profiles

## **Working with Custom CMYK Profile setup**

- Under Colour Removal
- Grey Component Removal