

Sublimation Color Management

 A CorelDRAW Guide 

Finding Color, Modifying Color, Matching Color

by Shon Roti

RGB vs CMYK, Profiles, Pantone colors

Color Resources

Sampling Colors, Creating Palettes

Find and Replacing color, color modes

Color Harmony

Color Matching with the Blend tool and
Color Chart Creator

RGB vs CMYK

Colors, ICC Profiles, RIP Software, Drivers & Pantone

RGB - Red, Green, Blue

RGB colors are created by the primary colors of light.

There are over 16 million color combinations.

The human eye can see 7 million.

Cameras, scanners and monitors create colors using RGB light.

CMYK - Cyan, Magenta, Yellow, Black

CMYK colors are created with ink and have 160,000 color combinations.

ICC Profiles, RIP software, Drivers - all manage color for printing.

Converting and RGB color to a CMYK color will reduce the color data.

Pantone colors are standardized colors and typically called "spot colors". Most Pantone colors cannot be reproduced using process CMYK.

Sublimation colors are affected by many variables, including the printer/profiles, age of the ink, substrate color.

Helpful links:

https://www.hollandlitho.com/rgb_to_cmyk_what_you_need_to_know.html

<https://www.rgbworld.com/>

http://colorwiki.com/wiki/The_Color_Key

<http://www.colorguides.net/pantone.html>

Color Resources (online)

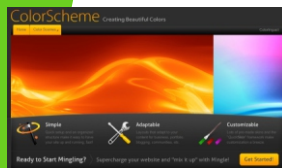
The Adobe Color Wheel - finding design color combinations
<https://color.adobe.com/create>



ColourLovers - discover palettes of color
<https://www.colourlovers.com/>



ColorScheme - creating beautiful colors
<https://colorscheme.com/>



JohnLovett - Color Explained
<https://www.johnlovet.com/color>



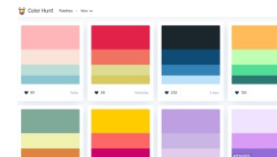
ColorMatters - Basic Color Theory
<https://www.colormatters.com/>



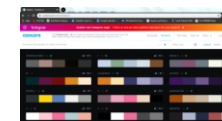
Schemecolor - download thousands of color palettes
<https://www.schemecolor.com/>



ColorHunt - download thousands of color palettes
<https://colorhunt.co/>



Colors - download thousands of color palettes
<https://colors.co/>



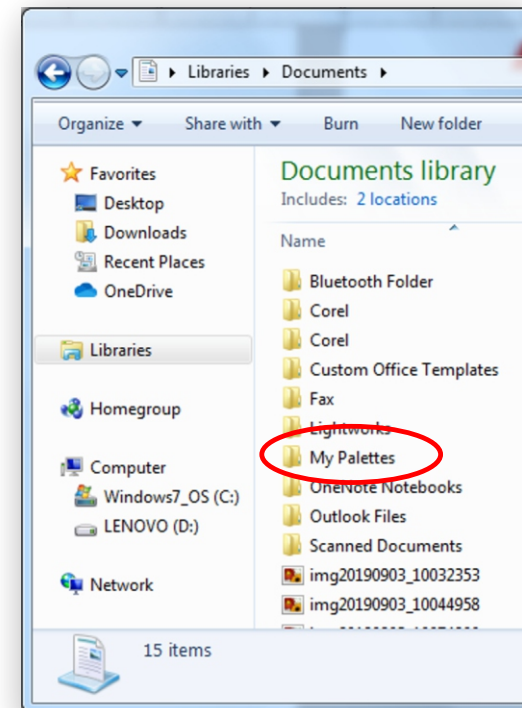
Sampling Colors & Creating Color Palettes

Locate **Color Eyedropper Tool** in the toolbox on the left side of the workspace

- Sample colors from vector graphics or images and apply them to other graphics
- Property Bar options include a sample range from one pixel to a 5x5 pixel area

Create a color palette from a selection (vector or image)

- After selecting the image or graphics, go to Windows>Color Palettes and choose **Create Palette from Selection** or **Create Palette from Document**
- Palettes will be saved in **My Palettes**, located in the Documents folder

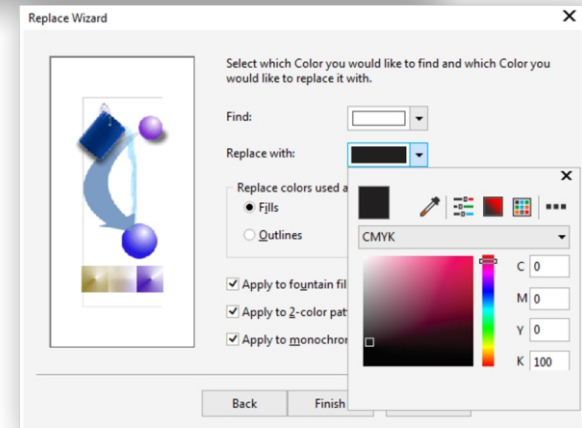
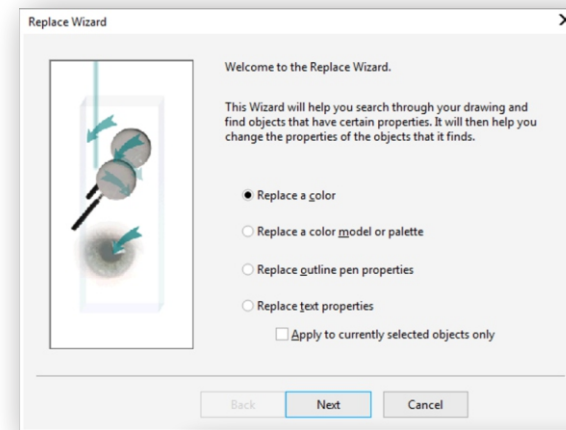


Find and Replace

A Time-Saving Tools for Replacing Color, Color Modes

Locate **Find and Replace** under Edit>Find and Replace>Replace Objects

- Replaces multiple graphics of a single color to another
- Replaces multiple graphics of a particular color mode to another
- The Eyedropper tool can be used to sample colors for replacement



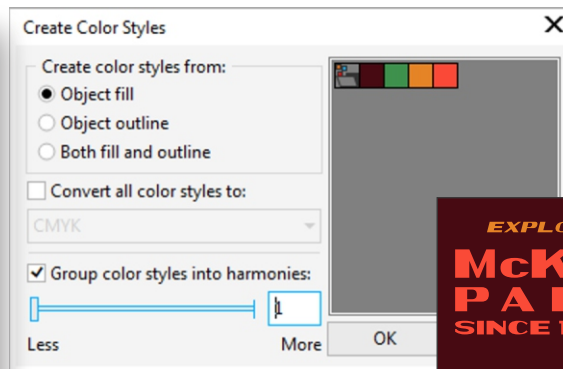
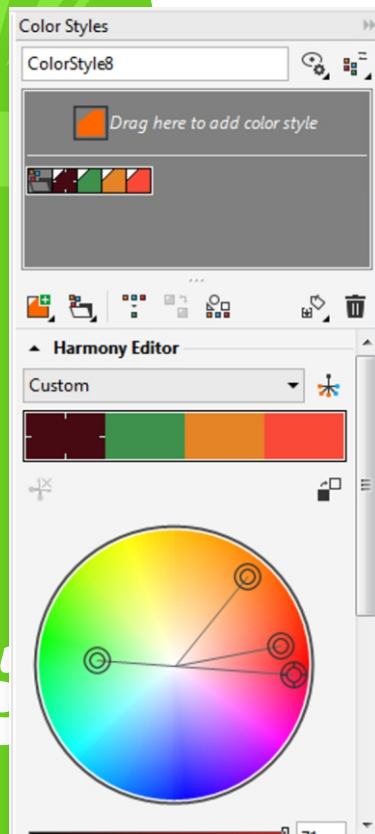


Color Harmony



Retain Color Harmony while Modifying Multiple Colors at once

- Locate **Color Harmony** under Tool>Color Styles (Ctrl+F6) or Windows>Dockers>Color Styles
- Drag vector graphics into the color style harmony generator to create a folder of colors
 - Click on the color folder to reveal color modifying options
 - Hues, tints and shades can be modified all at once or individually, changing the entire design in real time



Color Matching

The Blend Tool

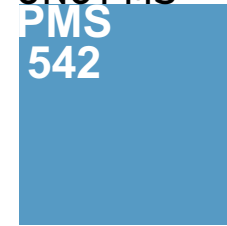
Locate the **Blend tool** under the drop-down menu of the Drop Shadow tool in the tool bar

- Click on one object/color and drag to another to produce a range
- color ranges can be blended through several color spectrums through the options in the Property Bar



CAROLINA BLUE
 PANTONE: PMS 542
 HEX COLOR: #7BAFD4;
 RGB:(123,175,212)
 CMYK: (60,19,1,4)

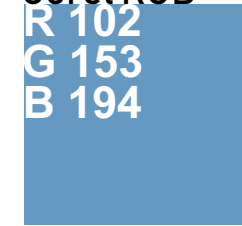
UNC PMS
 PMS
 542



UNC RGB
 R 123
 G 175
 B 212



Corel RGB
 R 102
 G 153
 B 194



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<https://enterprises.unc.edu/trademarks/prospective-licensees/>
<https://enterprises.unc.edu/files/2015/09/UNC-Logo-Sheet.pdf>
<https://teamcolorcodes.com/>
<https://teamcolorcodes.com/north-carolina-tar-heels-colors/>



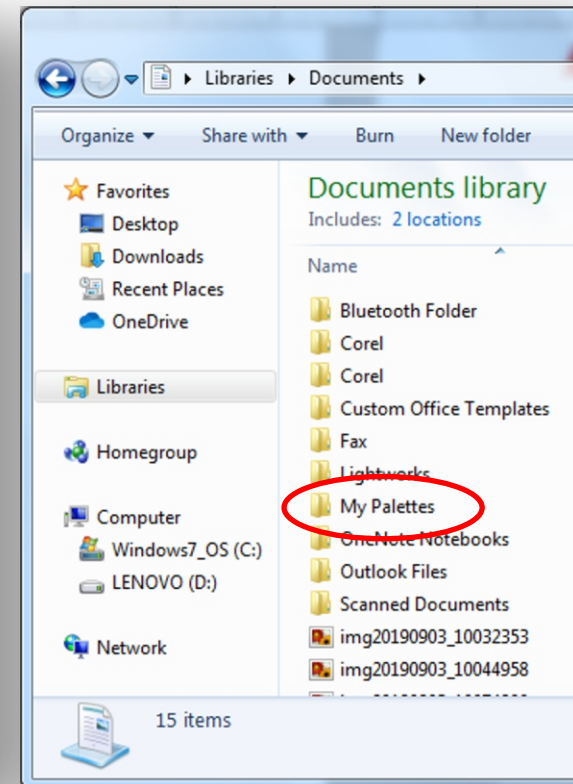
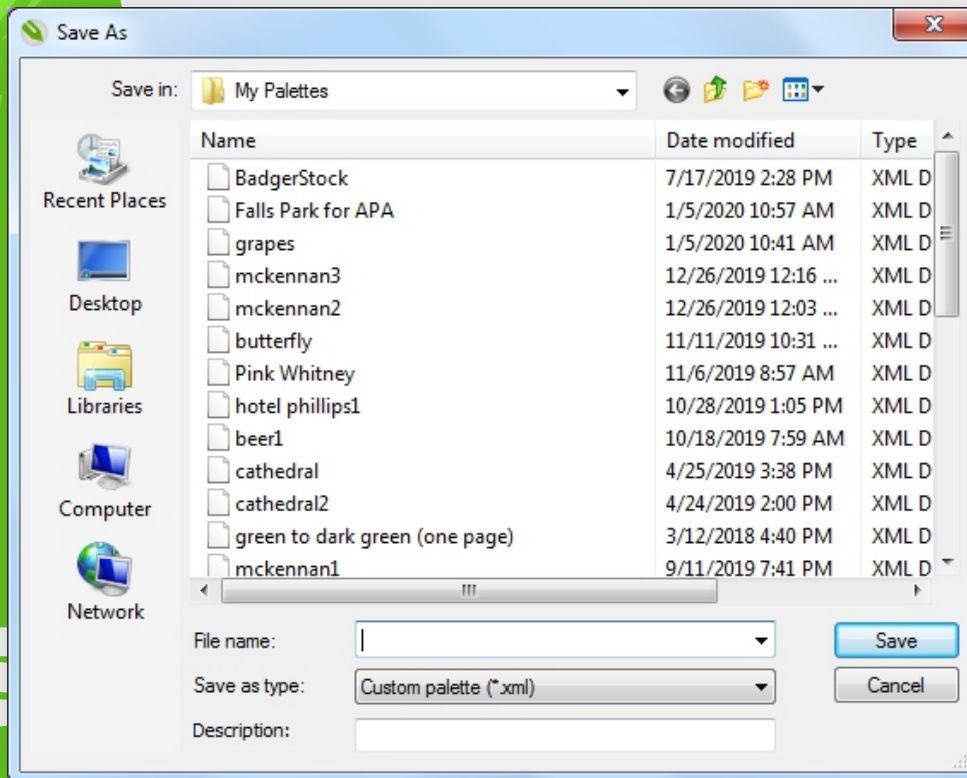
Color Matching

Creating Custom Palettes

To create a **Custom Color Palette**, select the objects/colors, go to Window>Color Palettes>Create Palette from Selection

- If using objects/colors from a Blend, first Break Apart the objects (Ctrl+K) and Ungroup the objects (Ctrl+U)

Palettes created will be saved in My Palettes located in Libraries>Documents

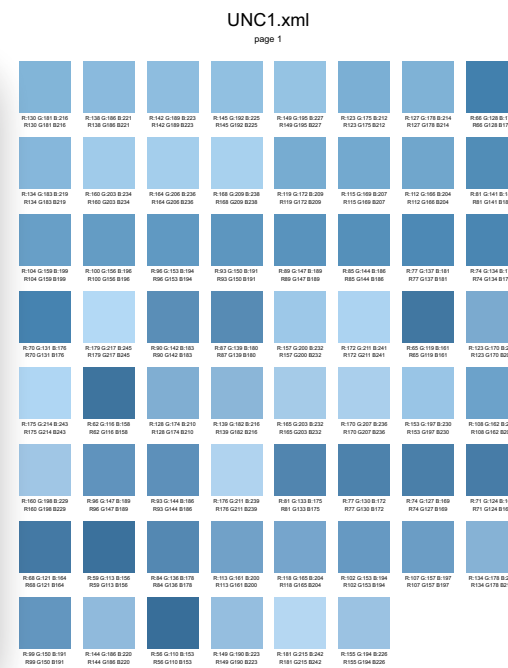
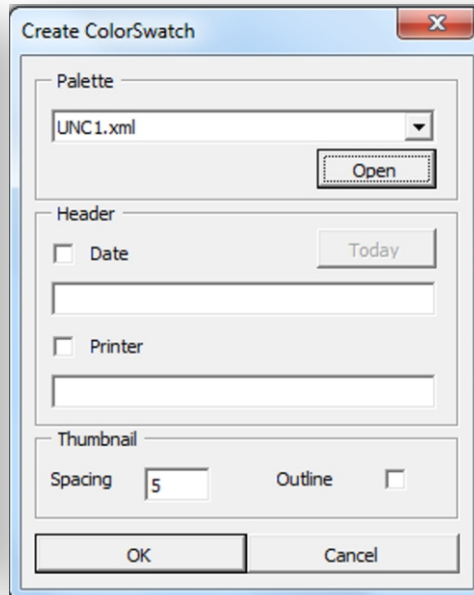
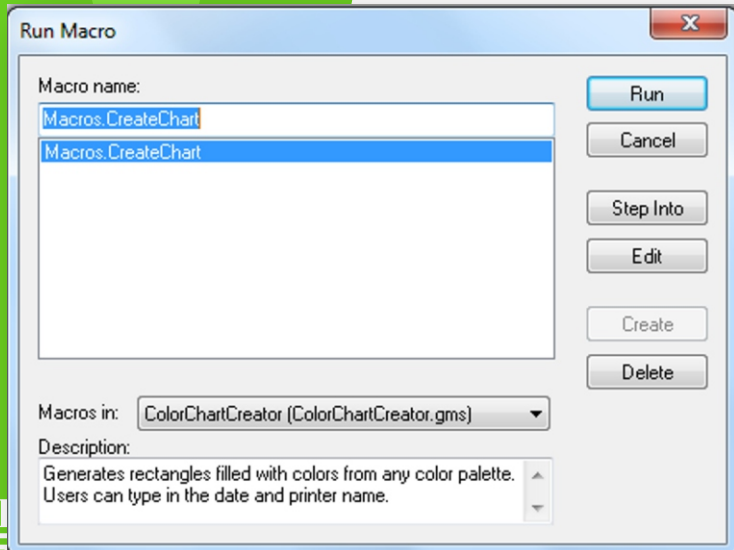


Color Matching

Color Chart Creator

Locate the **Color Chart Creator** under Tools>Macros>Run Macro

- Select ColorChartCreator from the drop down menu in the Macro window and click RUN
- Find a palette from My Palettes, change to spacing to 5, click OK
- Save the file, print and sublimate
- If you do not see the Color Chart Creator as an option, go to Launch>Get More Apps and Plug-ins>Extensions and download it for free



Thanks for
Attending!

Questions?
Contact me.

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