Sublimation Color Management

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



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 standarized 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

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.johnlovett.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/



Coolors - download thousands of color palettes https://coolors.co/



Sampling Colors ////

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 /////

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





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

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





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

Save in:	🌗 My Palettes	- G 🗊 📂 🖽 -		Libraries > Documents >				
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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

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Run Macro	×	Create ColorSwatch								
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Macros.CreateChart	Cancel		R:134 G:183 B.2 R134 G183 B21	R:160 G 203 B 234 R160 G 203 B 234	R-164 G-206 B-236 R164 G205 B236	R 168 G 209 B 238 R 168 G 209 B 238	R-119 G-172 B-209 R119 G172 B209	R 115 G 169 B 207 R 115 G 169 B 207	R-112 G-165 B-204 R112 G165 B204	R 81 G 141 B 183 R 81 G 141 B 183
		Open								
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Generates rectangles filled with colors from any color palette.		Spacing 5 Outline								
			R-68 G-121 B-16 R58 G121 D164	R59 G-113 B-156 R59 G113 B156	R:84 G:136 B:178 R84 G136 B178	R:113 G:161 B:200 R113 G161 B:200	R-118 G-165 B-204 R118 G165 B204	R:102 G:153 B:194 R102 G153 B194	R:107 G:157 B:197 R:107 G:157 B:197	R:134 G:178 B:213 R134 G178 B:213
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thanks for Attending.

Questions? Contact me.



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