

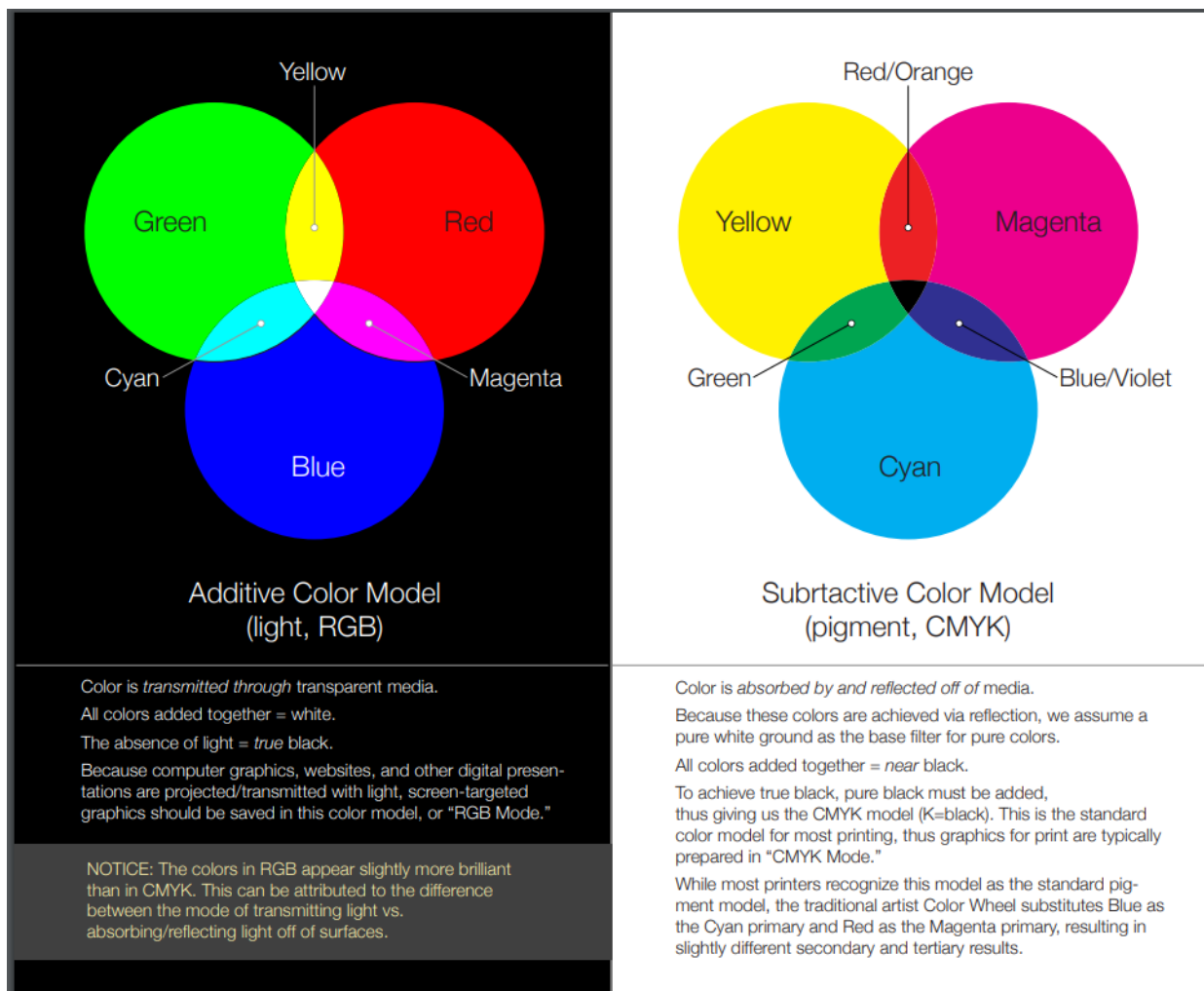
Photoshop Summer Packet 2019

Course Objective: This course will focus on photo editing and marketing design with Adobe Photoshop and similar products in individual and group assignments. This summer packet is designed to help students retain required background knowledge for the course pertaining to 2D Art and Design Concepts.

Section 1: Color Theory Basics

Instructions: Use the diagram below to fill in the blanks.

1. Light Primaries use the _____ color model.
2. The primary colors for light are _____, _____, and _____.
3. Pigment Primaries use the _____ color model.
4. The primary colors for pigments are _____, _____, _____, and _____.
5. The _____ color model is for digital images whereas the _____ color model is for printing.

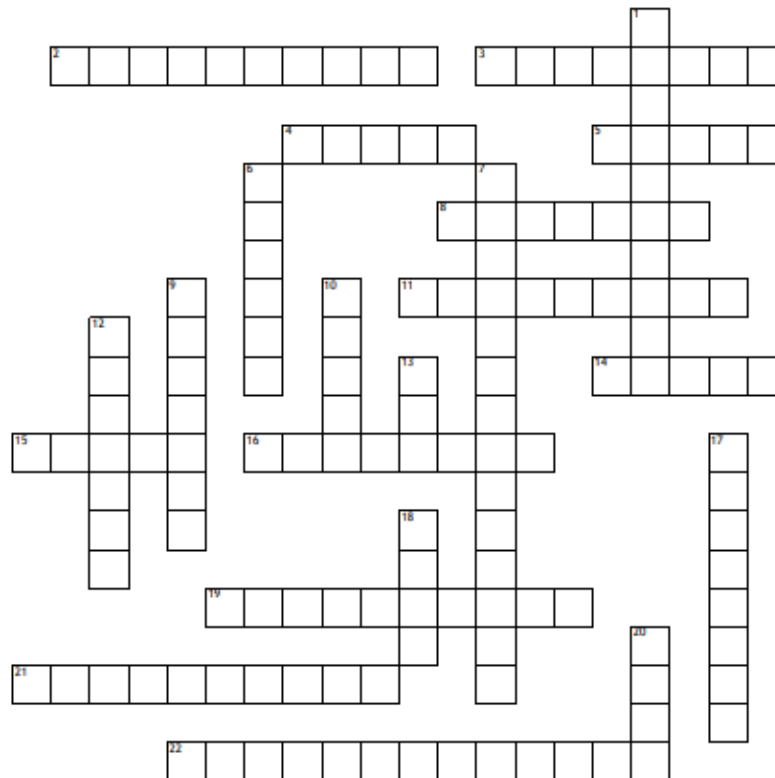


Section 2: Principles of Design and Elements of Art

Instructions: Complete the crossword for the Elements and Principles.

(Hint: Other words are foreground, background, and color)

- The Elements of Art are the building blocks to every type of work that is created. They are line, shape, value, form, tactile/visual texture, and space.
- Principles of Design are the basic principles that make art, good art. These include balance, pattern, contrast, emphasis, movement, hierarchy, rhythm, proportion, unity, and variety.



Across

2. The part of the artwork that appears furthest away from the viewer
3. Two opposites next to each other that cause each other to stand out
4. What the eye sees when light is reflected off an object
5. The area in or around an object; positive or negative
8. A repetition of shapes or colors in a certain order, over and over.
11. The brightness and dullness of a color
14. When everything in your artwork works together and has a sense of completeness.
15. Space inside an enclosed line; Two-dimensional
16. The "ingredients" that make up a piece of art
19. The part of the artwork that appears closest to the viewer
21. These are created depending on how the elements are arranged by the artist
22. How an artwork looks like it would feel

Down

1. The size relationships of one object to another in an artwork.
6. The path the viewer's eye takes throughout the artwork.
7. How the surface of an artwork actually feels
9. Using lots of different elements in one artwork
10. The lightness and darkness of a color
12. Equalizing visual components of an artwork; symmetrical or asymmetrical
13. Another word for color
17. When one part of an artwork is dominant and stands out more than the rest
18. Three-dimensional artwork
20. The path of a moving dot; a dot that goes on a walk

Section 3: File Types

Instructions: Complete the charts for file types. Use the Infographics on the next page to assist you.

Word	Definition
Bitmap	
Raster Image	<i>Image made up of individual pixels. This includes a BMP, PNG, JPG, etc.</i>
Vector Image	<i>Image created through mathematical lines and curves. This includes a EPS, SVG, PSD, Etc.</i>
PSD	
PNG	
TIFF	
JPEG	
SVG	
GIF	
PDF	

Instructions: Check all of the boxes that apply to the file types.					
	SVG	JPG	TIFF	PNG	BMP
Lossy Compression					
Lossless Compression					
Uncompressed					
Grayscale					
RGB					
CMYK					
Maintains Transparency					

WHAT IMAGE FORMAT TO USE?

There is no universal image format that is best for all scenarios. Every type of image format has their own advantages and disadvantages. Here's a summary of each format's best uses.

JPEG

WEB GRAPHICS
 Probably the most web friendly image format there is. JPEG is great for images when you need to keep the size small, such as when you need to upload it online. If you don't mind compromising the quality of the image a bit, use JPEG.

GIF

WEB GRAPHICS / ANIMATION / CLIP ART
 Out of the three formats (GIF, JPEG & PNG) GIF is the worst choice for web graphics, although file sizes are very small, and they load very fast. Plus, if you want to add animation effects, use GIF. Also great for clip art.

TIFF

PRINT GRAPHICS
 TIFF is the best and only choice for professionals when images are intended for print. Its ability to read CMYK and YCbCr color, plus its ability to store such high pixel intensity makes it the only choice for designers, photographers and publishers.

PNG

WEB GRAPHICS / LOGOS & LINE ART
 PNGs are great for web graphics. If you want to keep the size small, but still retain the image quality, use PNG. Also if you want to use transparencies, the PNG is the format for you.

BMP

PRINT GRAPHICS
 These files are large and uncompressed, but the images are rich in color, high in quality, simple and compatible in all Windows OS and programs. BMP files are also called raster or paint images.

INFOGRAPHIC BY

make a  websitehub.com

.ai

ILLUSTRATOR
 VECTOR-BASED
 FILE THAT CAN
 BE SCALED



.psd

RASTER WORKING
 FILE TO BE
 MODIFIED IN
 PHOTOSHOP



.indd

INDESIGN
 WORKING FILE
 THAT SUPPORTS
 MULTIPLE PAGES



.jpeg

LOSSY GRAPHICS
 FILE WITH SET
 DIMENSIONS



.png

NO LOSS ON
 COMPRESSION
 & TRANSPARENT
 BACKGROUNDS



.gif

SMALL FILE SIZE
 & COLOR
 PALETTE. CAN
 BE ANIMATED.



.svg

VECTOR FORMAT
 DEFINED BY XML
 FILES



.pdf

CAPTURES
 DOCUMENTS TO
 VIEW OR PRINT

