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PART 1: ELEMENTS OF DESIGN

- o Color
- 0 Line

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- O Shape
- Texture
- Watch this video on <u>Fundamentals</u> <u>of Design</u>.









- Helps identify objects in a design.
- Creates visual flow in a design.
- Communicates feelings and moods to the audience or viewer.
- Consists of hue, saturation, and brightness.
- Watch this video on <u>Color Basics</u>.







- Particular colors in a design can communicate certain moods and feelings to the audience.
- Watch this video on <u>Color Theory</u>.

RED - excitement, anger, danger, love

BLUE - calm, sadness, serenity

- GREEN envy, luck, peacefulness
- YELLOW cowardice, sympathy cheerfulness

ORANGE - liveliness, energy warmth

PURPLE - royalty, dignity mystery

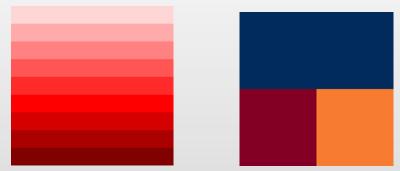
BLACK - mourning, despair sophistication

WHITE - innocence, purity, faith





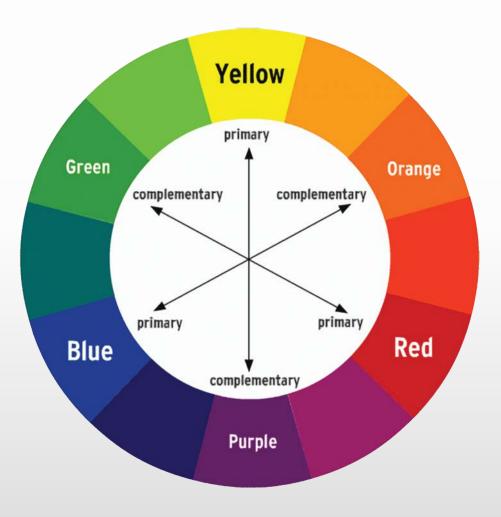
- The purposeful selection of colors for use in design.
- Sets a mood, attracts attention, or makes a statement.
- Color can be your most powerful design element if you learn to use it effectively.
- Color schemes usually are only 2 or 3 colors.





COMPLEMENTARY COLORS

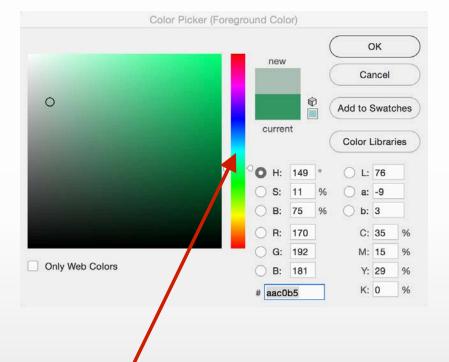
- Colors across from each other on the color wheel work well together when used in a design.
- Examples:
 - Orange and Blue
 - Red and Green
 - Yellow and Purple







- The name given to a color.
- Within a particular hue, a variety of individual colors can be created by changing saturation and brightness.



Select Hue on color bar using sliders.





The amount of hue used in a particular color.



Less saturated with the purple hue.

O Example: PURPLE



More saturated with the purple hue.





How light or dark a color appears; adding black or white changes a color's brightness.



Bright Green (white added to a green hue).



Dark Green (black added to green hue).

Example:
 GREEN



- Why would a designer want to use complimentary colors when creating a logo?
- Summarize the benefits of using color as a design element.
- Identify several ways a color scheme can impact a graphic.
- Contrast the color psychology of black and white and how this affects advertising choices.





- Give direction to a design.
- Create movement in a design.
- Thick lines show importance, thin lines demonstrate quick movement.







VERTICAL LINES-carry eye up and down-convey a feeling of aweor challenge

____ HORIZONTAL LINES

- -carry eye left and right
- -convey a feeling of calm or peacefulness



DIAGONAL LINES -slanted -add interest to a design

CURVED LINES -gently bent -give a soft, relaxed feel to a design





- The form of an object.
- When lines enclose a space.
- Can be used to help identify objects:
 - Example : circle = sun, oval = egg
- Three basic shape types:







- Combination of dots, lines, and colors used create the illusion of a surface appearance.
- Adds depth and dimension to a design.
- Look and "feel" of a surface.





- Give 4 or 5 examples of textures found in nature a designer could use.
- When would a circle be a preferred shape to a square or triangle?
- How do lines differ from shapes in graphic design?



PART 2: PRINCIPLES OF DESIGN



OProportion
OBalance
ORhythm
OEmphasis
OUnity/Harmony





- A size relationship between components of a design.
- Proportion can be:
 - Between one component of a design and another component .

OR

- Between a component and the design as a whole.
- Good proportion adds harmony, symmetry, or balance among the parts of a design.





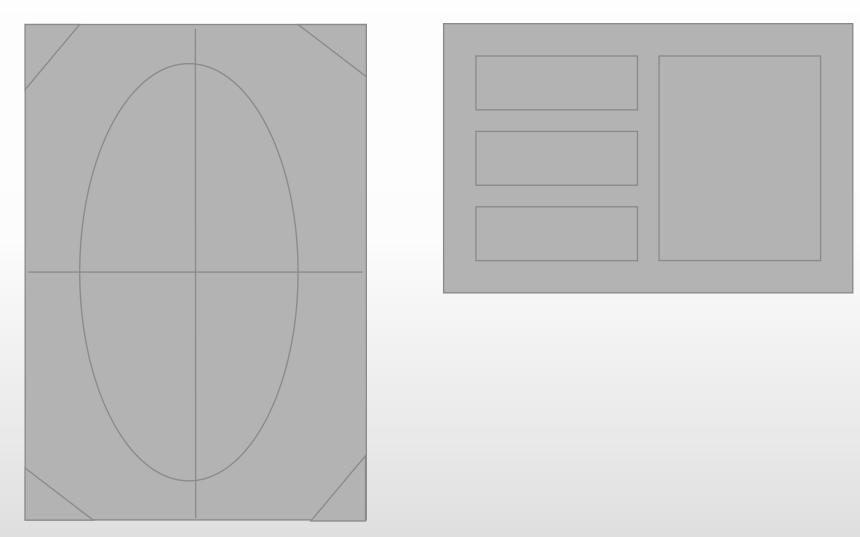
- How design elements are arranged either horizontally or vertically on the canvas.
- FORMAL BALANCE
- Also known as symmetrical balance.
- Design is exactly equal on both sides.

INFORMAL BALANCE

- Also known as asymmetrical balance.
- Both sides of the design are not equal, but are still balanced.

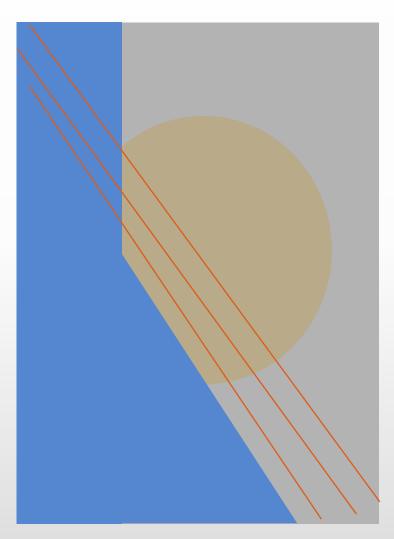


SYMMETRICAL BALANCE





ASYMMETRICAL BALANCE







- Creating the feeling of movement in a design.
- Generated through the repetition of lines, colors, shapes, and textures.

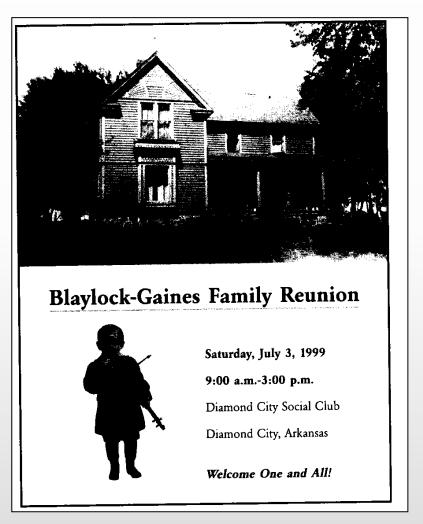






- Center of interest in a design.
- Noticed first by the audience.
- Creates visual flow or hierarchy which carries the viewer's eye through the design.
- Use differences in size, color, and type.







- When all components of a design look as if they belong together. Achieved when the Elements and Principles of Design are used effectively.
- Alignment often impacts unity/harmony.
- Arranging design components in an organized and visually appealing manner.
- White Space--The absence of text or graphics in a design; visual breathing room for the eye; helps avoid over-crowding and creates natural flow.



- Identify ways to achieve harmony in designing a layout.
- How can placement, alignment, size, and white space of text and graphic elements impact readability?
- How does balance change depending on the number and placement of graphics?



PART 3: DIGITAL GRAPHICS

Any image or design created or edited by a computer.

- Drawings
- o Logos
- 0 Photos
- O Buttons & Icons
- Diagrams
- 0 Charts





BITMAP VS. VECTOR GRAPHICS

Bitmap

- Use square pixels arranged in a grid that have assigned colors.
- Usually larger file size.
- Lose clarity when viewed up close or zoomed in.
- Also referred to as Raster Graphics.

Vector

- Use mathematical formulas to define lines, points, curves, and other attributes.
- Small file size.
- Do not lose clarity when viewed up close or zoomed in.
- Best type of graphic for printing in large scale.





- Describes the clarity of Bitmap Graphics.
- Determined and defined by the number of Pixels Per Inch (PPI).

Low Resolution

- Blurry in appearance.
- Relatively small file size.

High Resolution

- Very clear in appearance.
- Relatively large file size.



- Predict the quality of the same graphic with a small file size versus a large file size.
- Why are logos best created in a vector graphic software program?



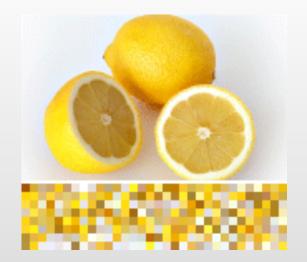


- Black & White uses only true black and true white.
- Grayscale uses true black, true white, and all shades of gray in between.
- True Color all possible color combinations.
- RGB (Red, Green, Blue) optimized for viewing on a screen.
- CMYK (Cyan, Yellow, Magenta, Black) optimized for printing purposes.





- The number of distinct colors a graphic is capable of displaying.
- Related to color mode:
 - Black & White
 - Indexed Color (256 colors)
 - True Color (16.7 million colors)





- What factors can affect the decision to use RGB or CMYK when creating a graphic?
- Why would designers prefer to use true color for high resolution photos?

