

DESN 110 Graphic Design I

Color Wheel / Color Properties Exercise

OBJECTIVE

Create tools that will be useful in the creation of the final project/ Learn how to mix the 12 hues on the color wheel from CMYK colors. Learn to create a variety of tints, shades and tones of the 12 hues using CMYK colors.

PART ONE

1. Download the color wheel template from the Dropbox link on the class website. Rename the file to remove the .ps file extension. Open the file in Illustrator.
2. Following the diagram provided, accurately fill in each of the 12 color spaces with the appropriate colors. Be careful to get the colors in the proper position on the wheel with yellow in the top space. HINT: Each hue will consist of no more than two sliders at more than 0% and each hue will have at least one slider at 100%. Fill in the center circle with 50% neutral gray.
3. Save the file along the way. Add your name to the upper left corner in the space provided. Print the file on letter size paper on the Ricoh 413 printer. Check your colors against the example for accuracy. Turn in finished page for grading.

PART TWO

1. Create an 11" x 17" document in Illustrator. Drag out margin guides to 1/2" from each side. Go to show grid under the View menu. Go to Preferences - Grids and Guides. Change gridline to every 0.13 in. Go to View menu and check on Align to Grid. Set fill color to black. Save your document after each step.
2. Draw a square that aligns to four squares on the grid. Option drag the square to duplicate straight across skipping one square. Press Command-D four times to make a total of six squares across. Select all six squares and option drag down skipping one square. Press Command-D five times to make a total of seven rows. Group the set of squares.
3. Drag off additional copies of the groups of squares as seen on the example provided. Use the align tools to make them evenly spaced and centered. Using the hues from part one, fill the squares in each group with the hue that corresponds to the hue's position on the color wheel (yellow at top, etc.).
4. Select the individual squares and create a series of tints on the top row. The upper left square will remain the original hue. Progressively subtract 15% in each square to the right. Now select each column and eye dropper the top square in each row to fill them with the tints. Now select each row starting with the second row. Add 5% black to the second row. Make the third row have 25% black added, then progressively add black to each row in increments of 15% to end with 85% in the last row. This process will create shade in the far left column and tones in the others. Neutral grays will be in the center group.
5. Continue this process until all groups are complete and correspond to the color wheel. Add your name below the center group. Save your file and print on 11" x 17" paper on the Ricoh 413 printer. Turn in print for grading. Keep a copy of the digital files and prints for future use.

GRADING

Your pages will be graded on the accuracy of the hues, tint, shades and tones. Position of hues on the wheel and chart page, alignment of squares and groups, along with the precision in following the directions will also be evaluated.