**Analysis of Color Pt. 2**

**Chromatic Color Scale**

**Color Mixing Matrix**

**Goal:** Develop a feeling for the two elements of color: value and hue.

**Instructions:** Create a unified achromatic gray scale consisting of 10 steps. The chromatic scale of primary and secondary colors should align with the values of the grayscale.

**Limits:** You may only use Cadmium red/Alizarin, Cadmium yellow, and Cobalt blue to make all the hues in the scale. Mix secondary colors (purple, green and orange) from the primaries. Use Titanium white and Ivory black to create tints and shades. Refer to your color wheel for an example of a gray scale.

**Terms:** Value, hue, grayscale, chromatic scale, primary colors, secondary colors, tints, shades, high to low key colors, warm and cool colors

**Materials:** Pencil, ruler, 8x10 inch canvas board, oil paints, flat brushes, palette, rags, Gamsol

**1 2 3 4 5 6 7 8 9 10**

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| **1** Black | Low-low key | Low key | Low-mid key | Mid key | Mid  key | High-mid key | High key | High-high key | White |
| **2** Red  Near Black |  |  |  |  |  |  |  |  | Red  Near White |
| **3** Orange Near Black |  |  |  |  |  |  |  |  | Orange Near White |
| **4** Yellow Near Black |  |  |  |  |  |  |  |  | Yellow Near White |
| **5** Green Near Black |  |  |  |  |  |  |  |  | Green Near White |
| **6** Blue Near Black |  |  |  |  |  |  |  |  | Blue Near White |
| **7** Violet Near Black |  |  |  |  |  |  |  |  | Violet Near White |