

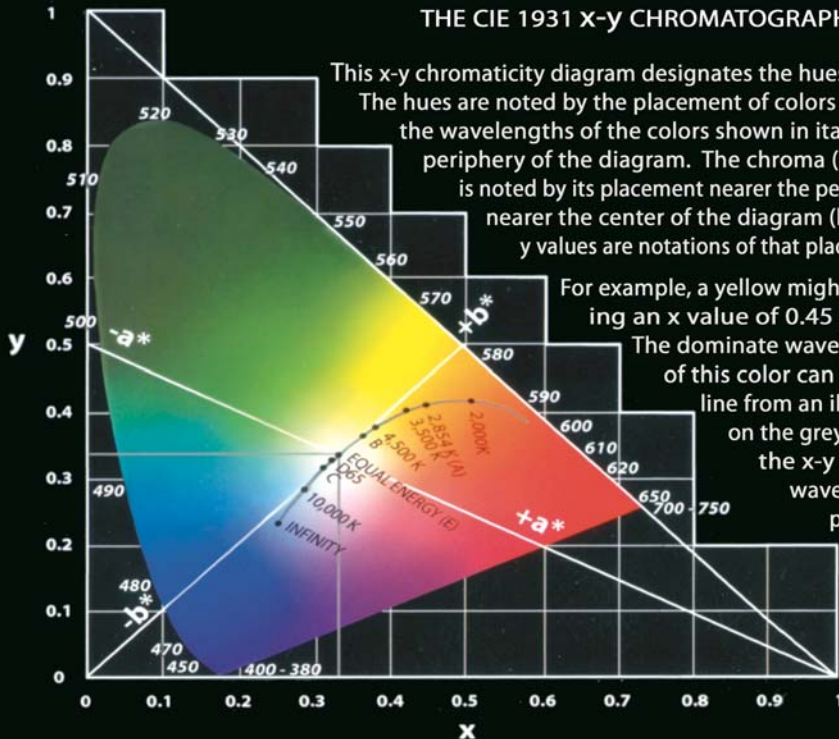
THE CIE 1931 X-Y CHROMATOGRAPHY DIAGRAM

This x-y chromaticity diagram designates the hues and chromas of colors. The hues are noted by the placement of colors in the x-y diagram, with the wavelengths of the colors shown in italic numbers around the periphery of the diagram. The chroma (or saturation) of a color is noted by its placement nearer the periphery (high chroma) or nearer the center of the diagram (low chroma). The x and y values are notations of that placement of a specific color.

For example, a yellow might be designated as having an x value of 0.45 and a y value of 0.50.

The dominate wavelength (in nanometers) of this color can be found by drawing a line from an illuminating light source on the grey line (use D65), through the x-y value (0.45, 0.50), to a wavelength notation on the periphery of the diagram.

This calculation shows a wavelength of 573 nm.



ANCAL INC