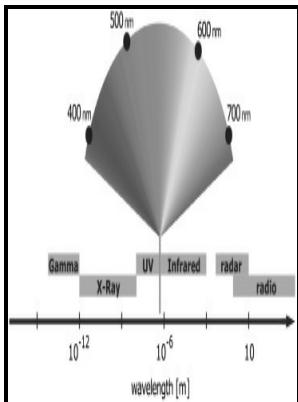


# Colour and Colour Measurement in the Graphic Industries.

## Pitman - Color Measurement



Description: -

-Colour and Colour Measurement in the Graphic Industries.

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Notes: Tr. VGW Harrison.

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## Graphics, Prints & Inks

Predictable patterns of natural light have played an important role in. Under the assumed laws of color mixture that underlie this system, the chromaticities of all mixtures of any two lights lie on the straight line connecting the chromaticities of the two lights.

## Luminance and Chromaticity

In 1924 the Commission Internationale d'Eclairage CIE adopted a standard photopic observer.

## What is CRI? The ultimate guide to the Color Rendering Index

Color is an essential component for the paints and coatings industry. The tangible colors which are on the surface of objects or on the printed page are another color system. Perhaps they are using an unusual ink or paper.

## Luminance and Chromaticity

The earliest instruments were colorimeters, which used red, green and blue filters to simulate the tristimulus response of the human eye. Part of marketing your business should be to stand out.

## The Importance of Color in Lighting

Though the TM-30-15 is new and is not used as a standard system of measurement, its successful application in delivering more detailed information regarding color rendering characterization makes it a versatile resource. This is a chromaticity diagram on which we've plotted several familiar lights. Depending on the nature of your project, a PDF could be perfectly fine.

## Color Measurement

Other factors may get in the way of accurate matching by xyY. One of the most useful properties of chromaticity diagrams is their convenient representation of mixtures of two lights.

### **Luminance and Chromaticity**

In subtractive color mixing, colored filters only allow less intense wavelengths of their own primary colors to pass through, reducing the output of the source.

### **Paint and Coatings Color Measurement**

The color temperature for the light source in question must first be determined.

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