CIE Chromesity Diegrow

30 720 color space

Color models

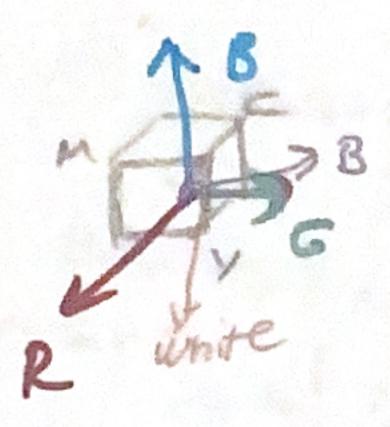
* RGB color mariters comeros

Emitted light

RGB Color Model

Based on a corresion system

* CMYK (cych magenta yellow block) prin ters Reflected light DE 1-151 Chue, somurarion, illuminance) for human



R10-257 LOY18 6:0-250 lbyte B: 0-25 5 1 byte

Emitted light

>> 1= Ecros (100,100,3)

>> 1(=1,1)=255 -> only red image

>> 1(:1:2)=255-> Made it yellow

7>1(1,1,3)=255 -> made it white

the edor layer Aself is white

CMYK Golor model

Expresses reflected light

$$\begin{bmatrix} C \\ N \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \end{bmatrix} - \begin{bmatrix} R \\ G \end{bmatrix}$$

$$\begin{bmatrix} C \\ M \\ Y \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \end{bmatrix} - \begin{bmatrix} R \\ G \\ B \end{bmatrix} \qquad \text{if } \begin{bmatrix} R \\ G \\ B \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \end{bmatrix} + \text{then } \begin{bmatrix} M \\ Y \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \end{bmatrix}$$

white