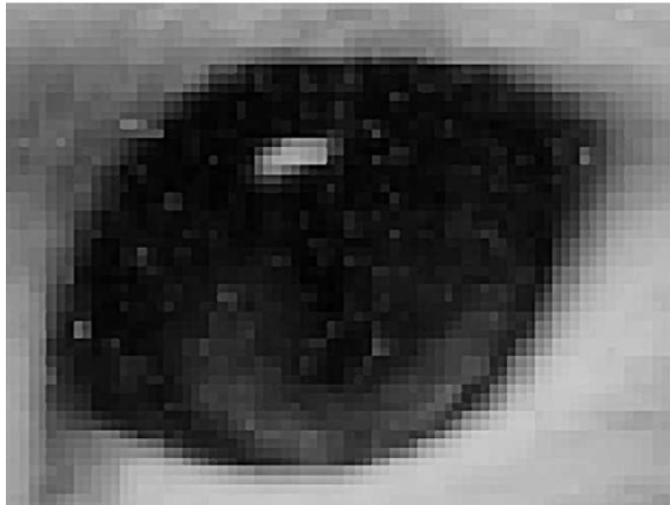
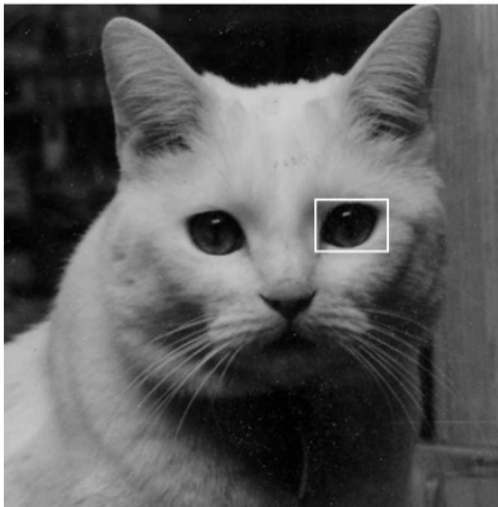


Images and Hardware

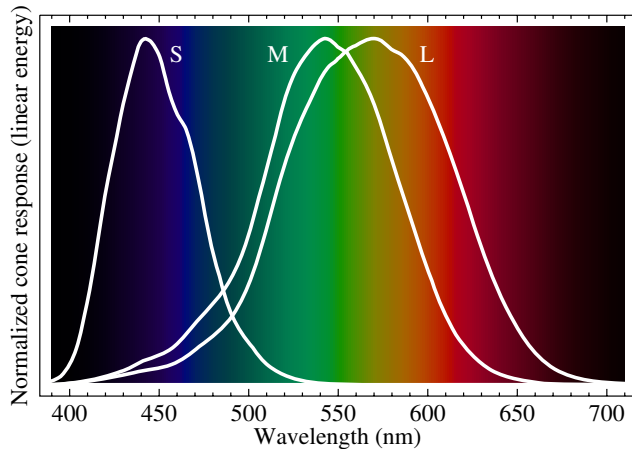
University of California Riverside

Raster image

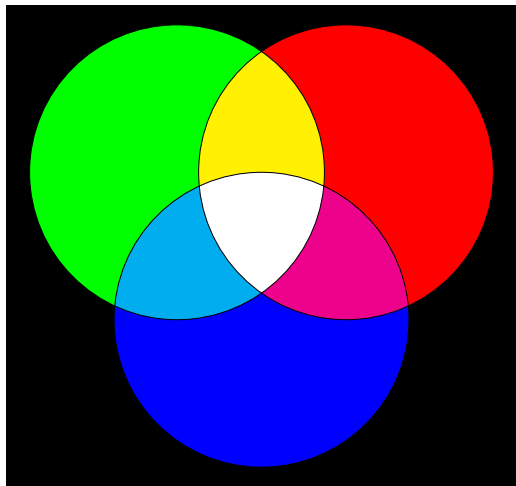


Human vision

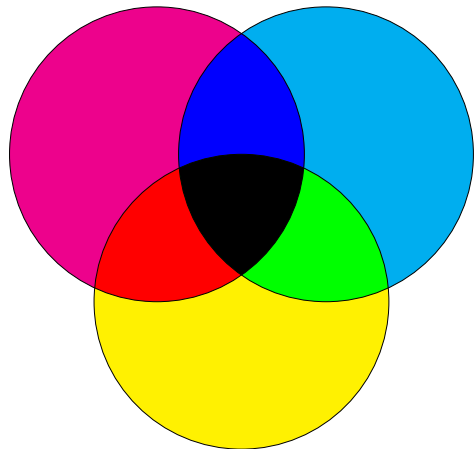
- Eye contains three types of cells (“cones”)
- Sensitive to red, green, and blue
- Other colors seen as mixtures of these



Color representation



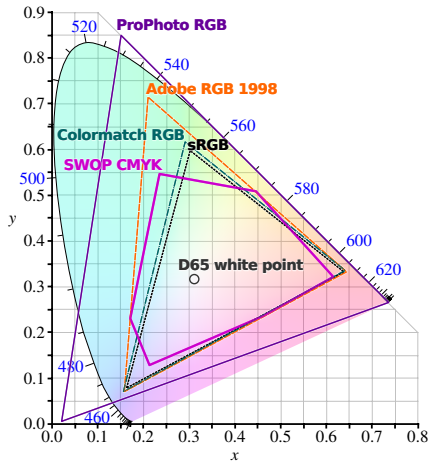
Additive
RGB



Subtractive
CMYK

Human vision

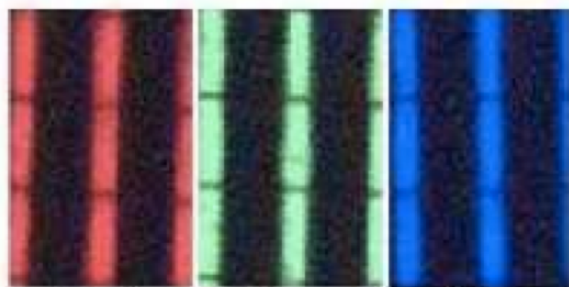
- RGB cannot represent everything



Raster devices



Raster display



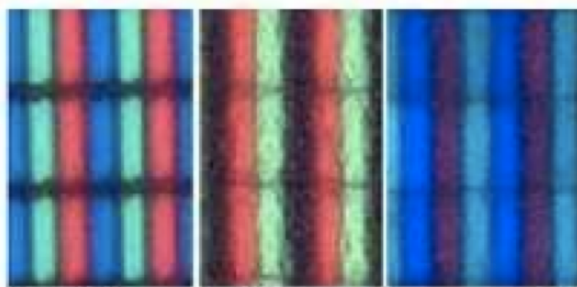
Red

Green

Blue



60 x Magnification



White

Yellow

Image



60 x Magnification