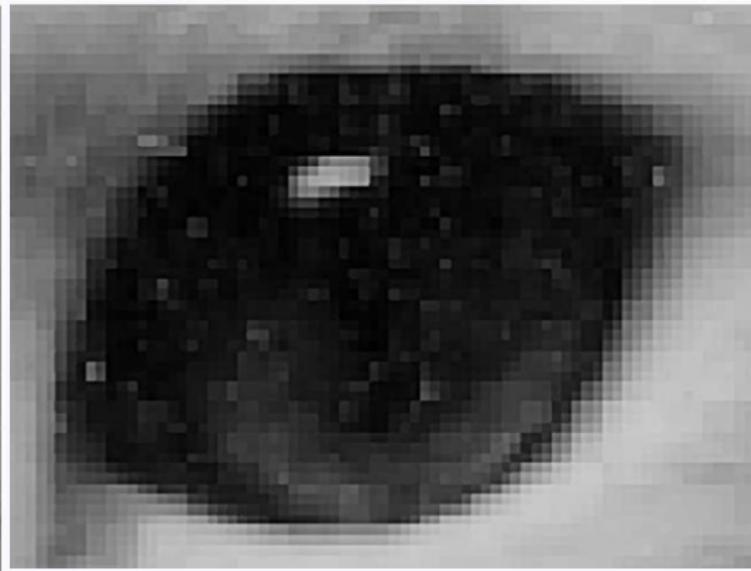
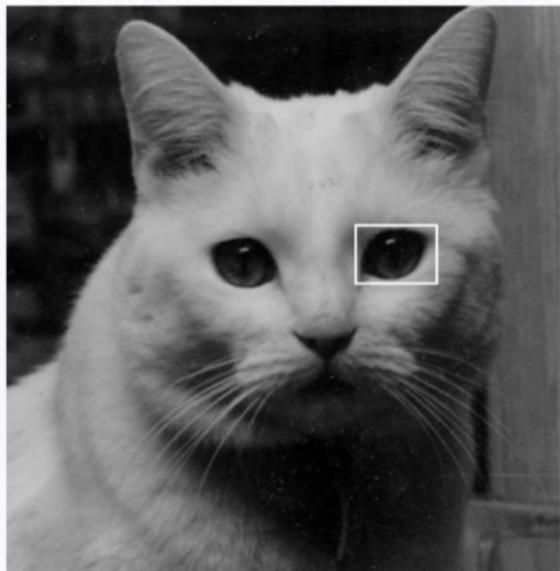


# Images and Hardware

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

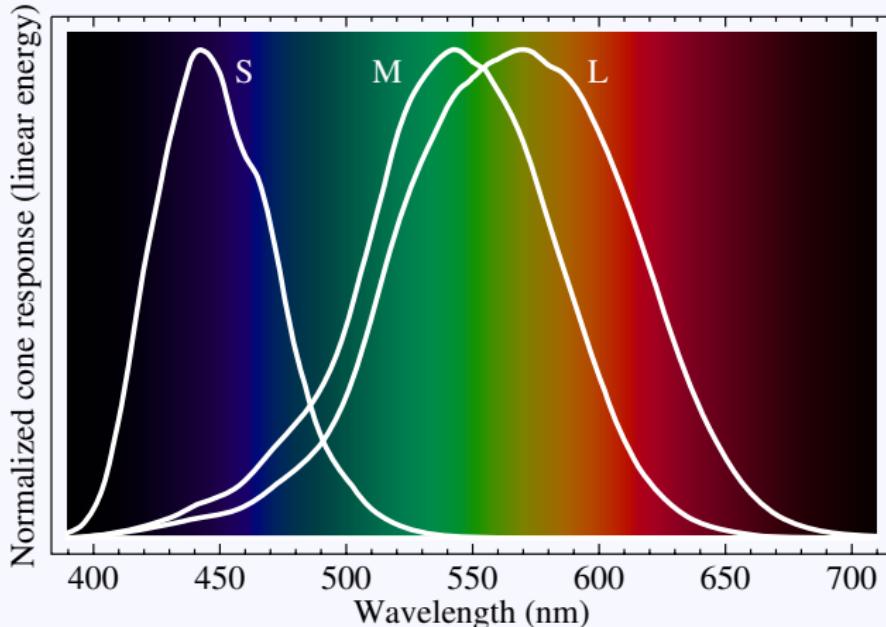
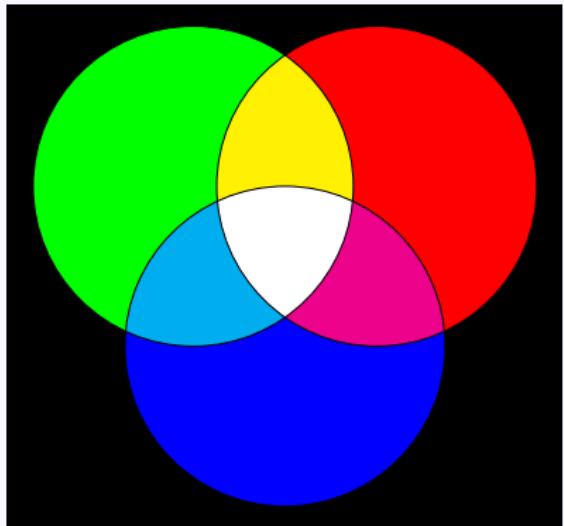
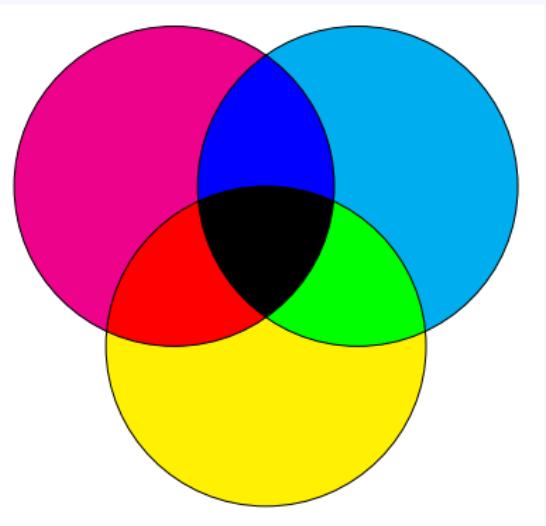


Image source: [1]

# Color representation



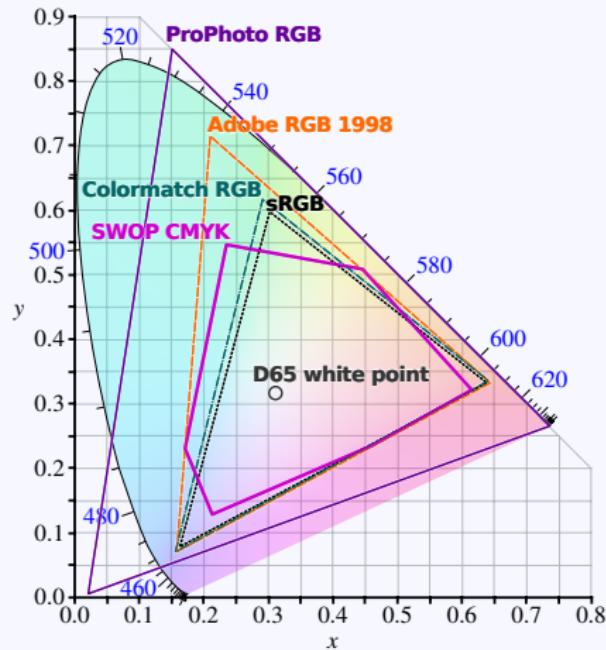
Additive  
RGB



Subtractive  
CYMK

# Human vision

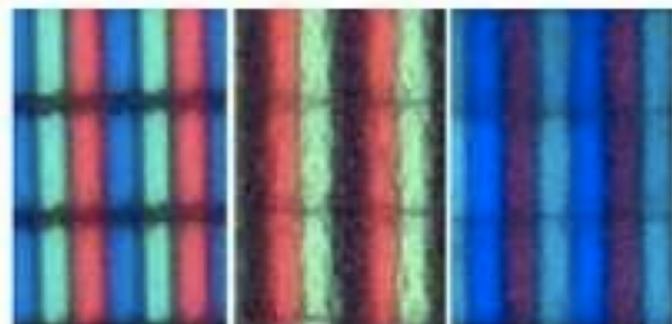
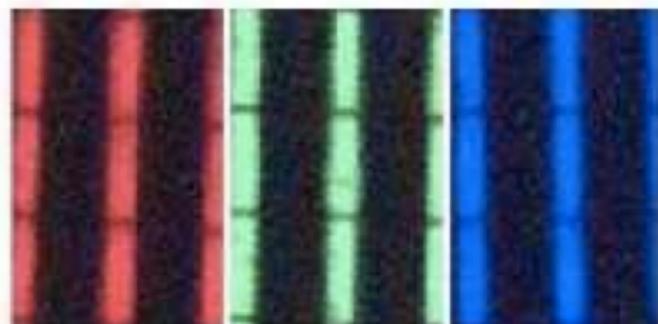
- RGB cannot represent everything



# Raster devices



# Raster display



Red

Green

Blue

White

Yellow

Image



60 x Magnification



60 x Magnification

# Attribution

- [1] BenRG. Cone-fundamentals-with-srgb-spectrum.svg.  
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