

CMSC 435

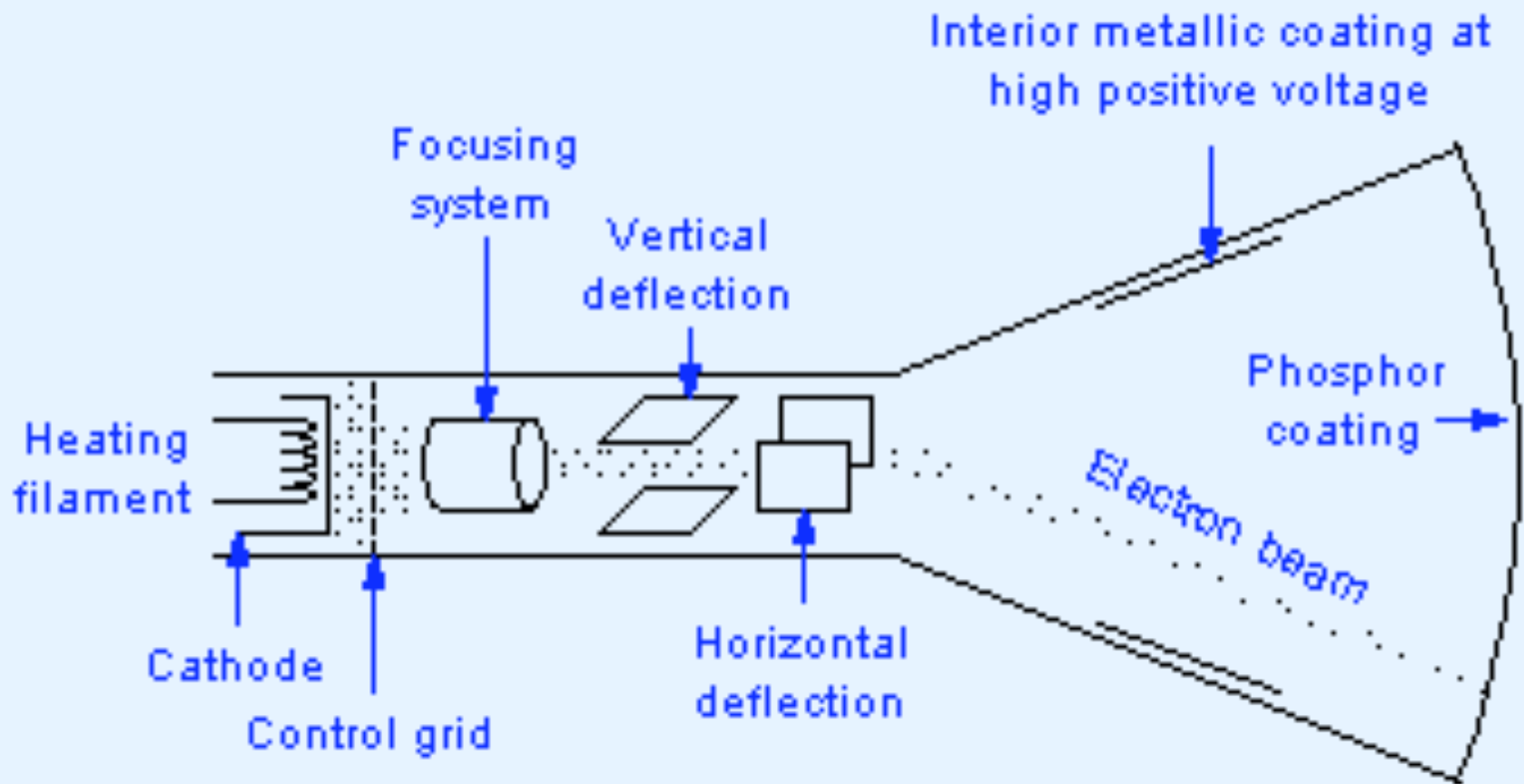
Introductory Computer Graphics  
Display Technology

Penny Rheingans

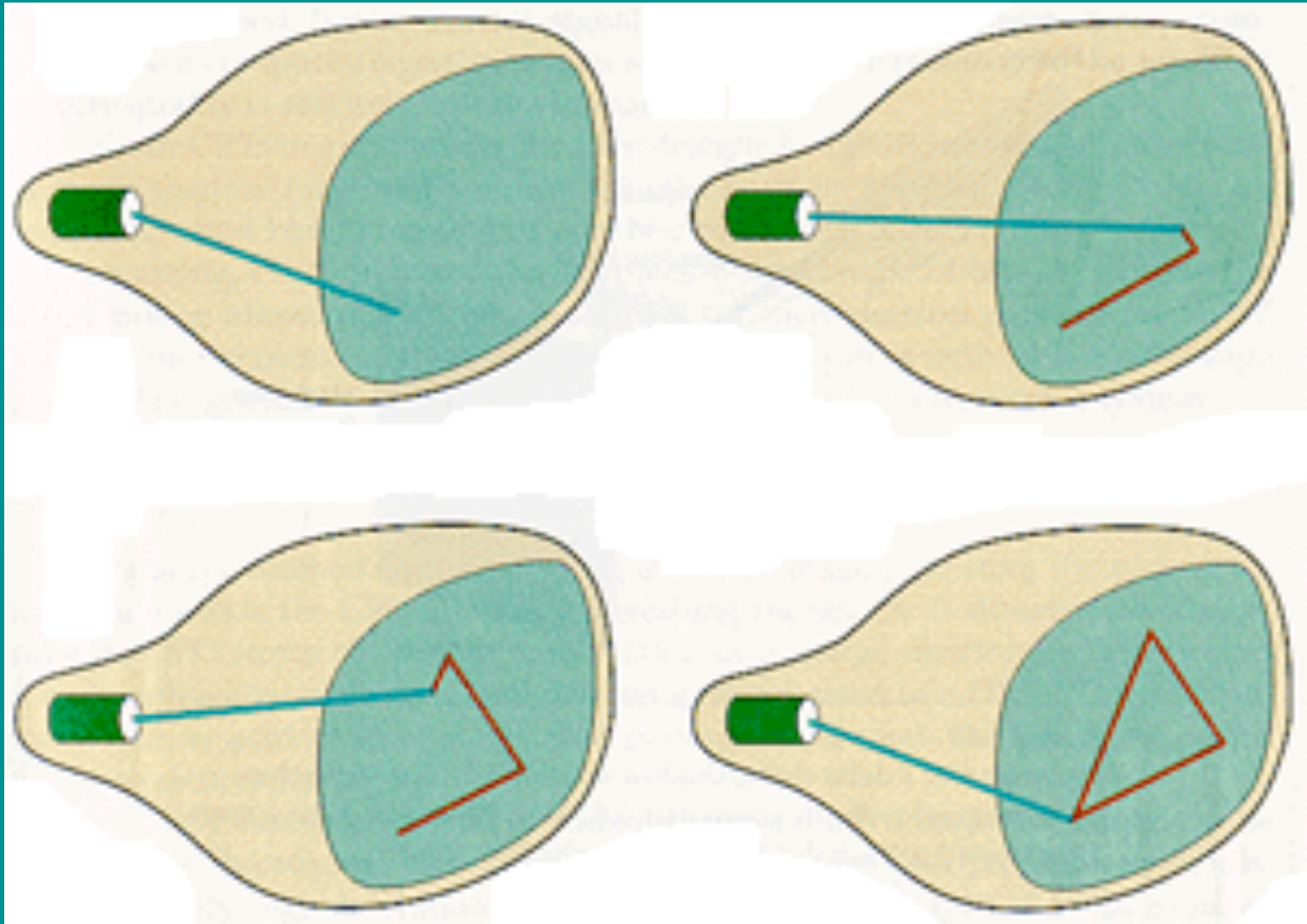
UMBC

# CRT Tube

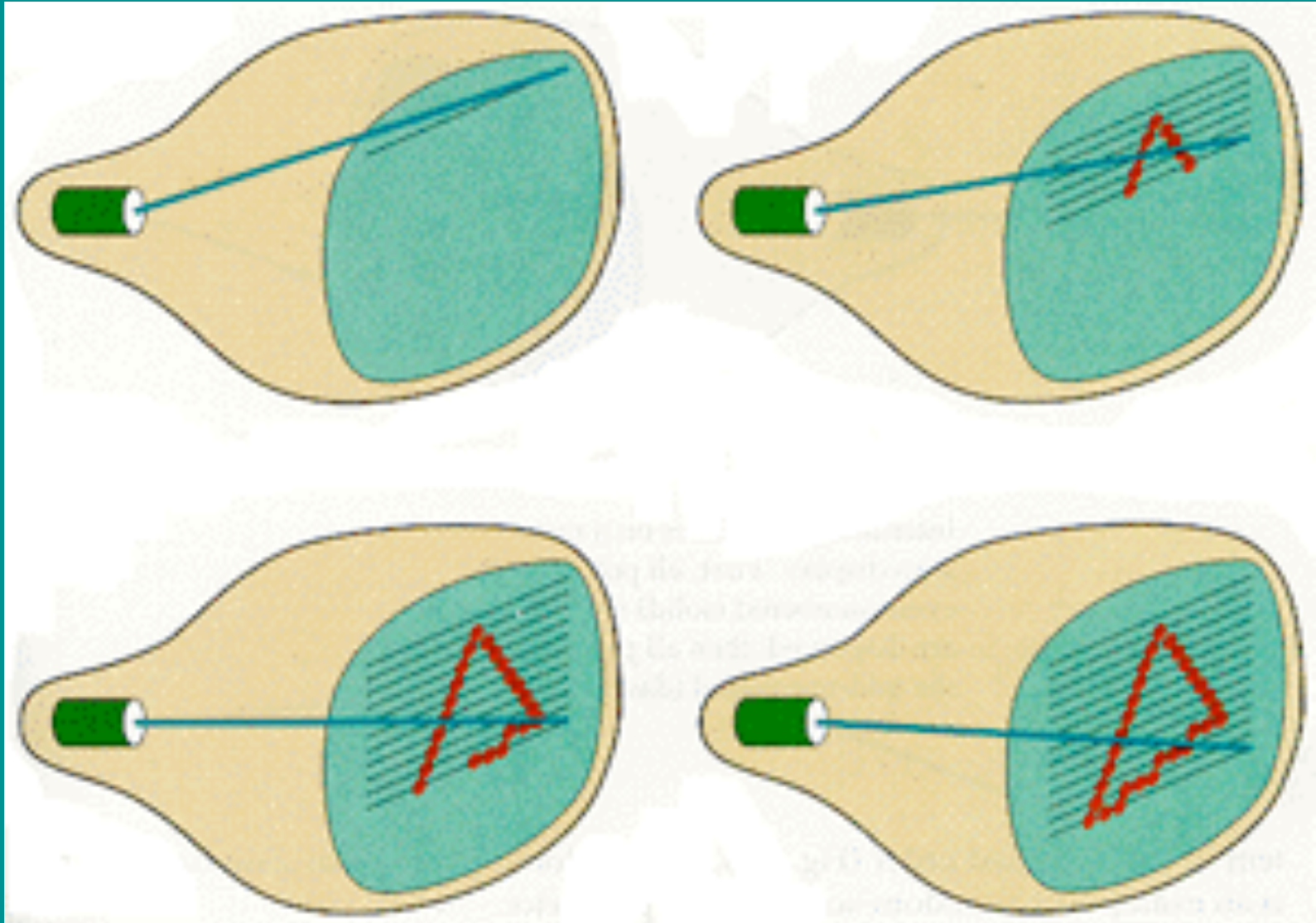
## Basic Design of a CRT Tube



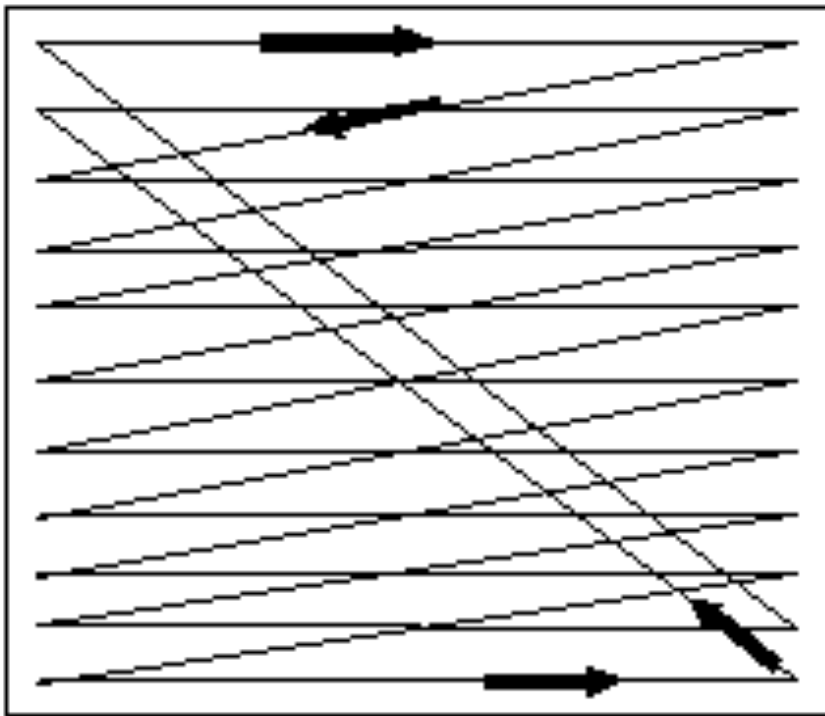
# Random Scan



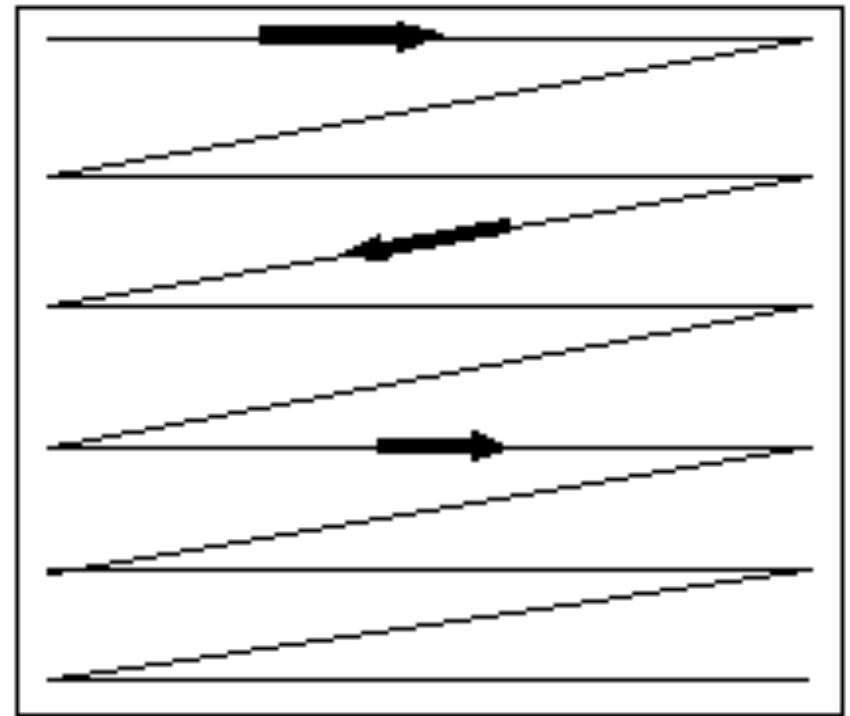
# Raster Scan



# Interlace Options

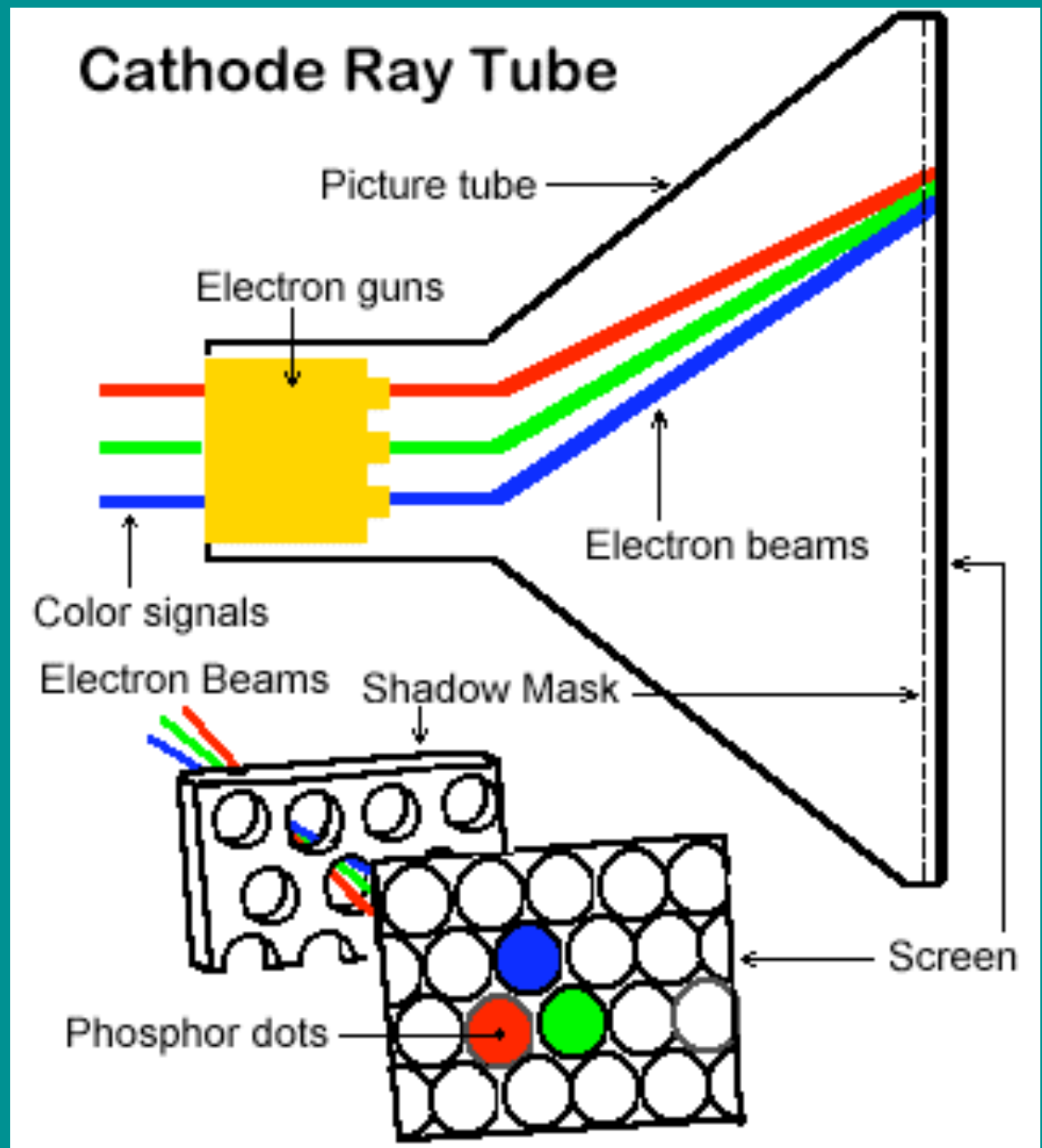


Interlaced

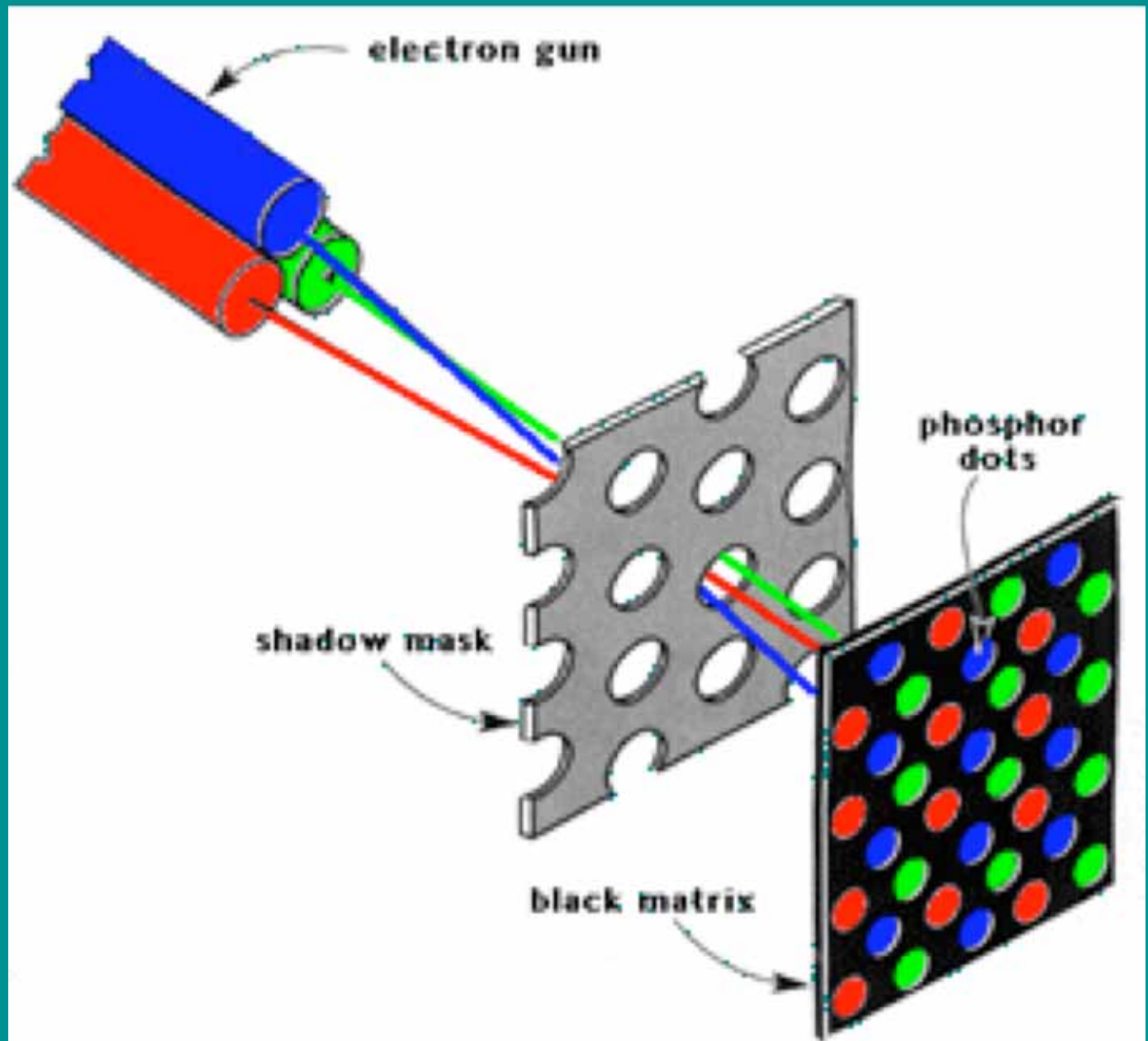


Non-Interlaced

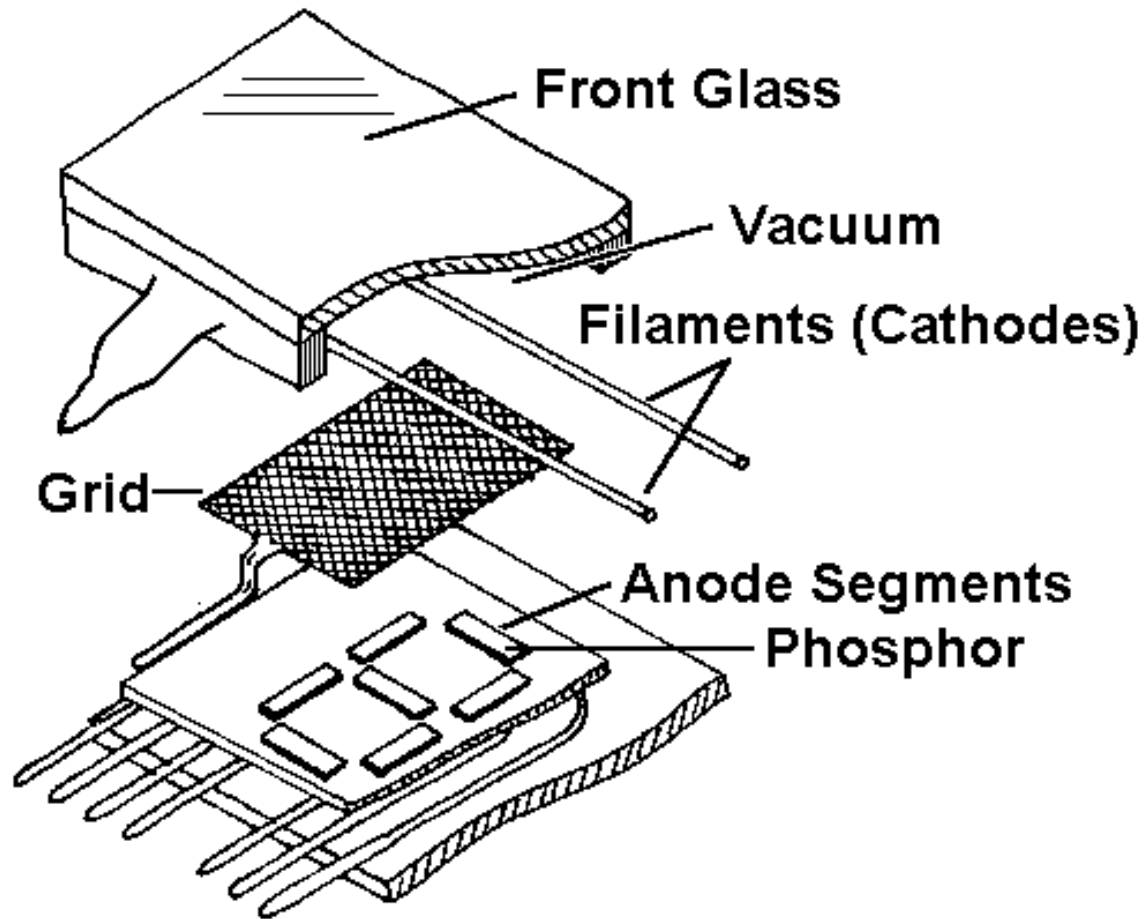
# Color CRT



# Shadow Mask

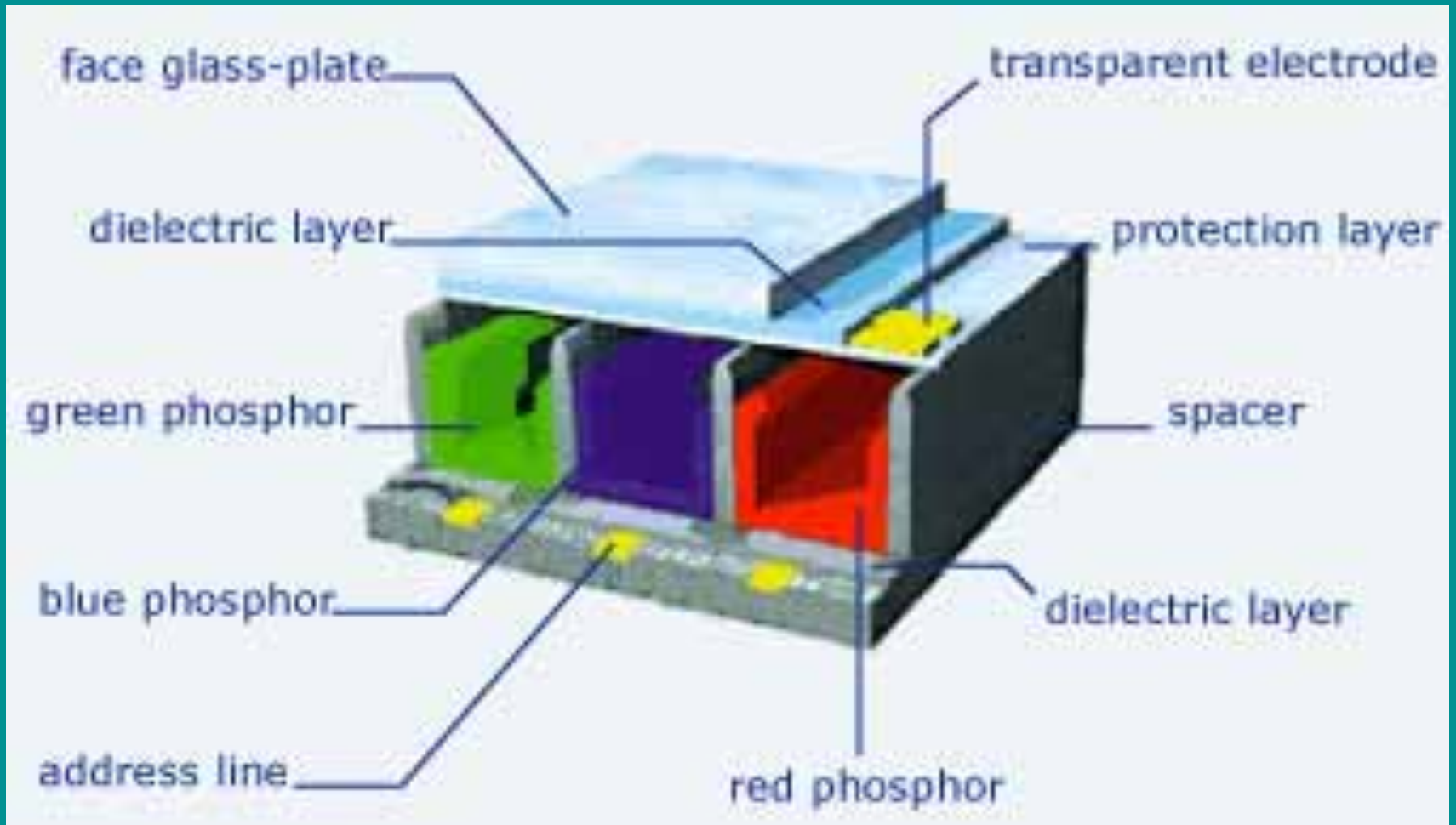


# Plasma Display

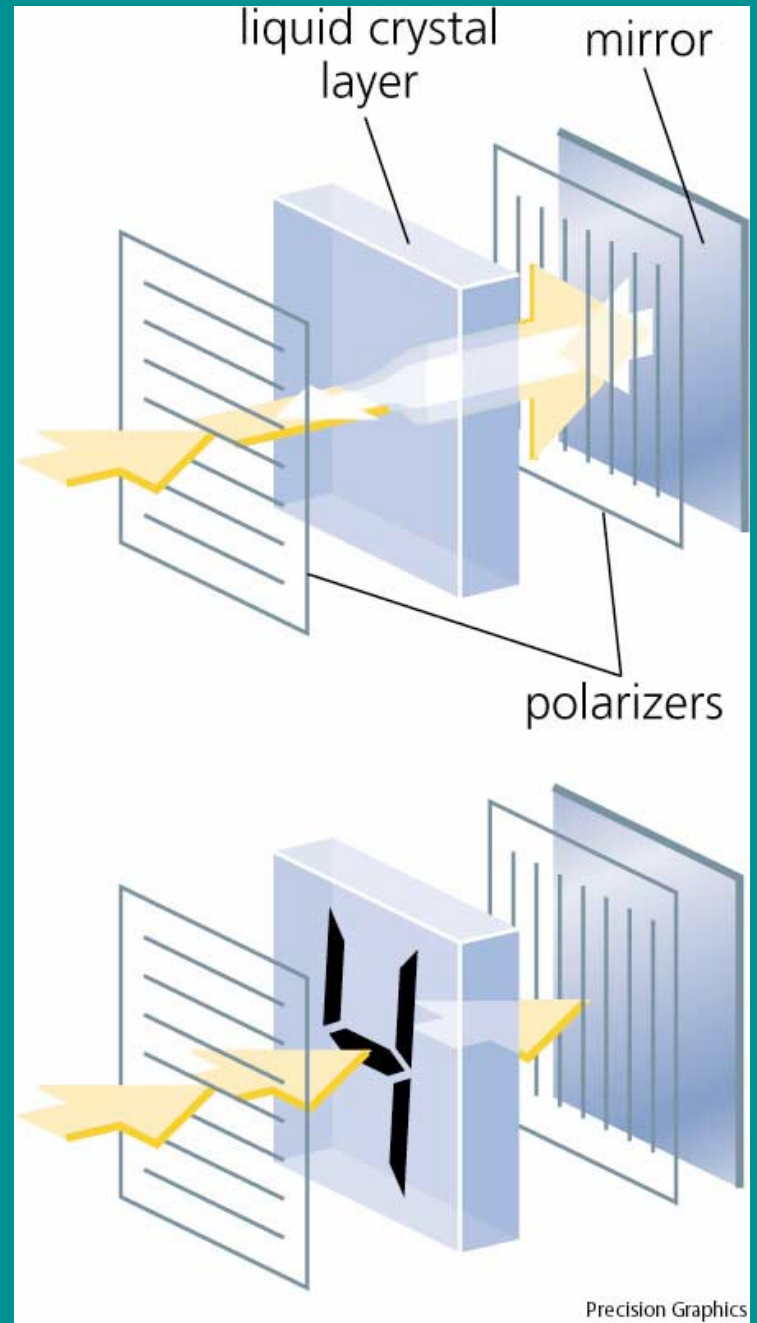
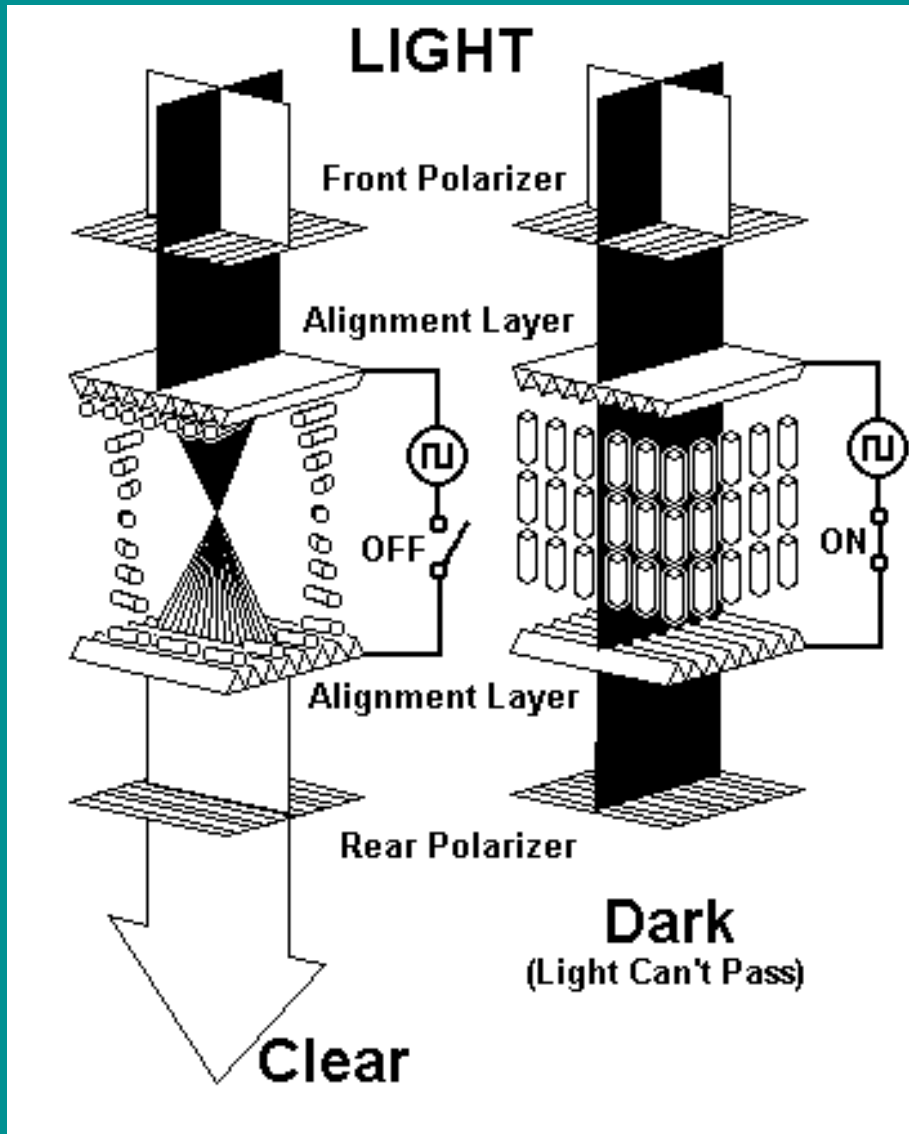




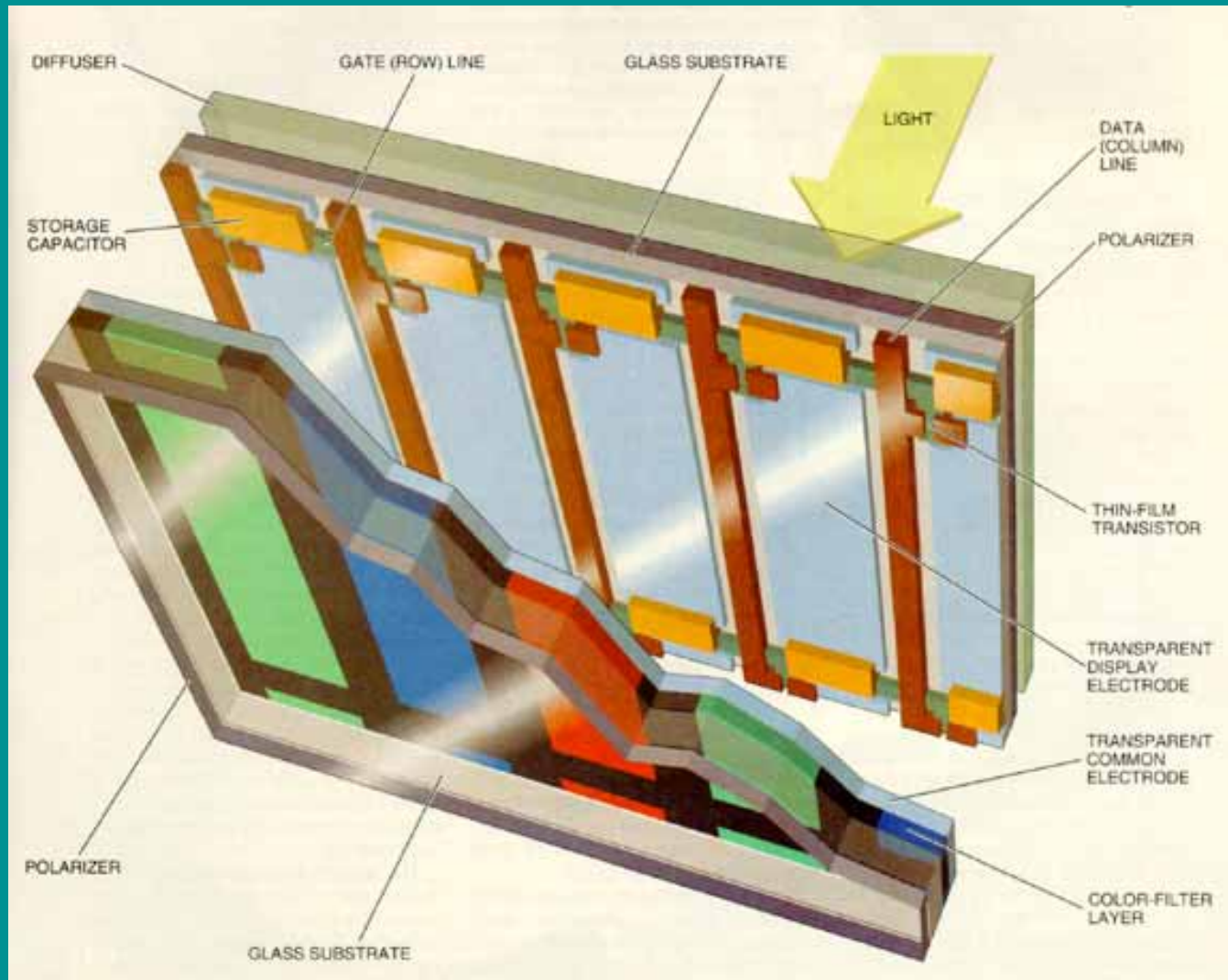
# Plasma Display



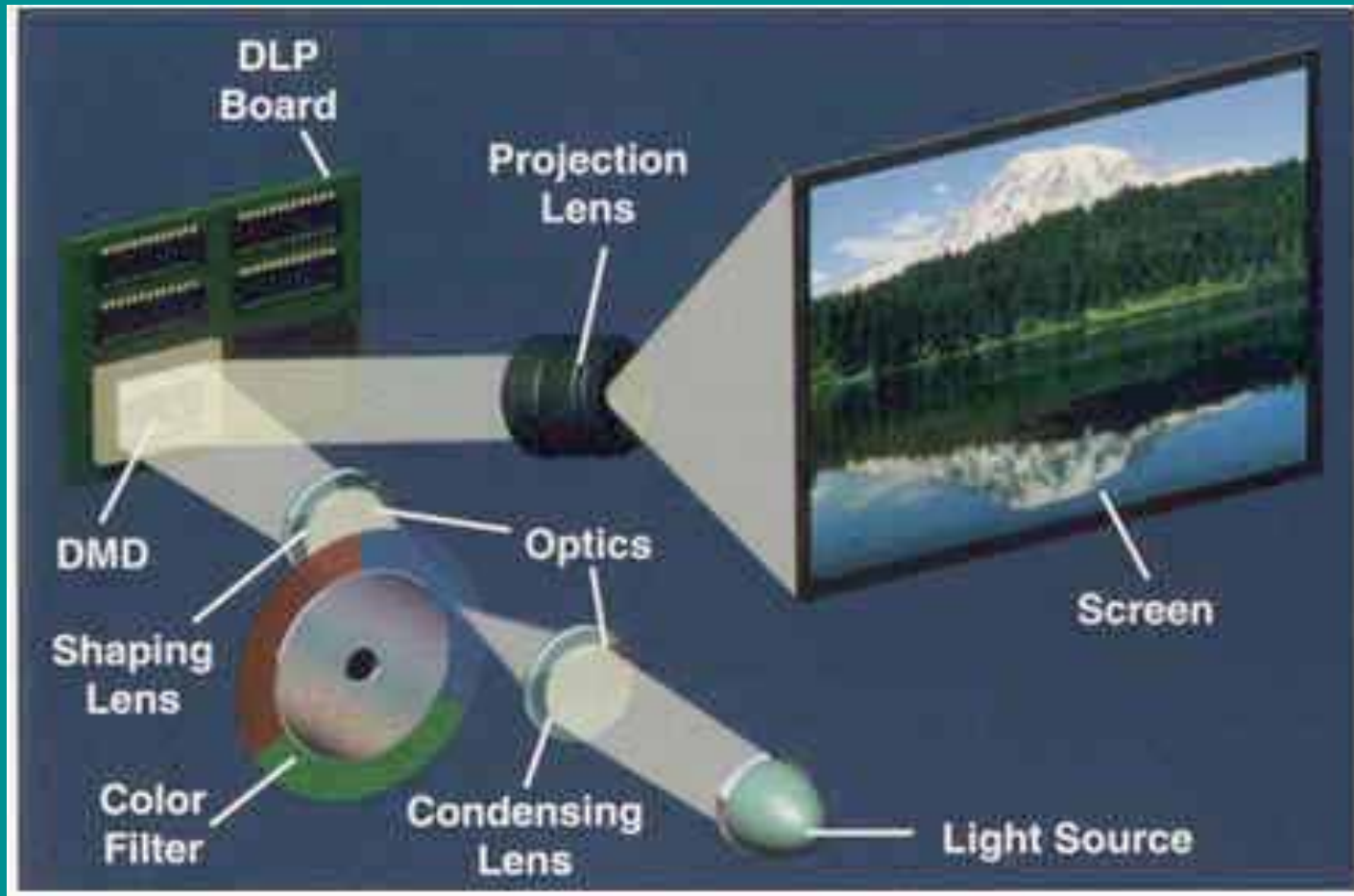
# LCD



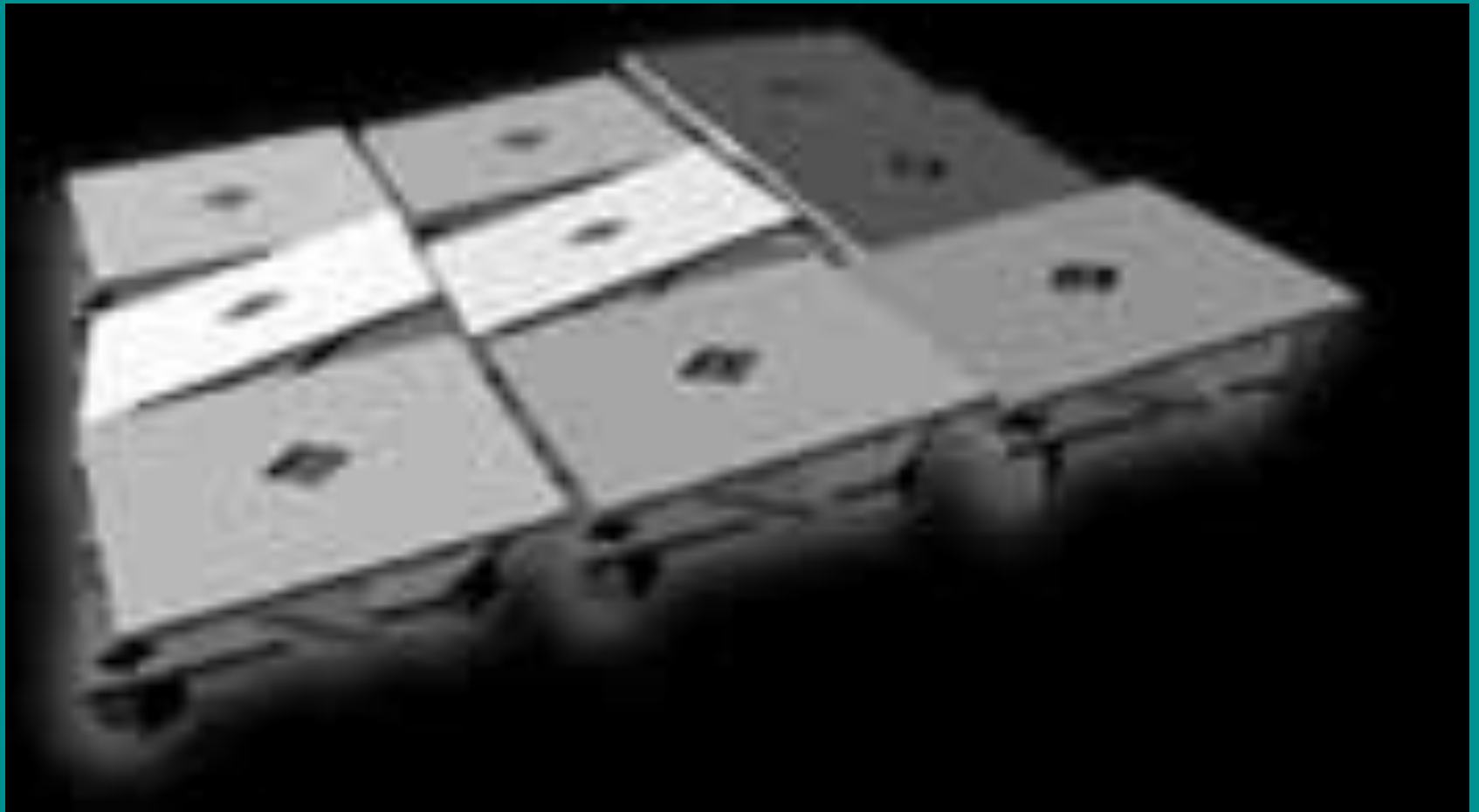
# Color LCD



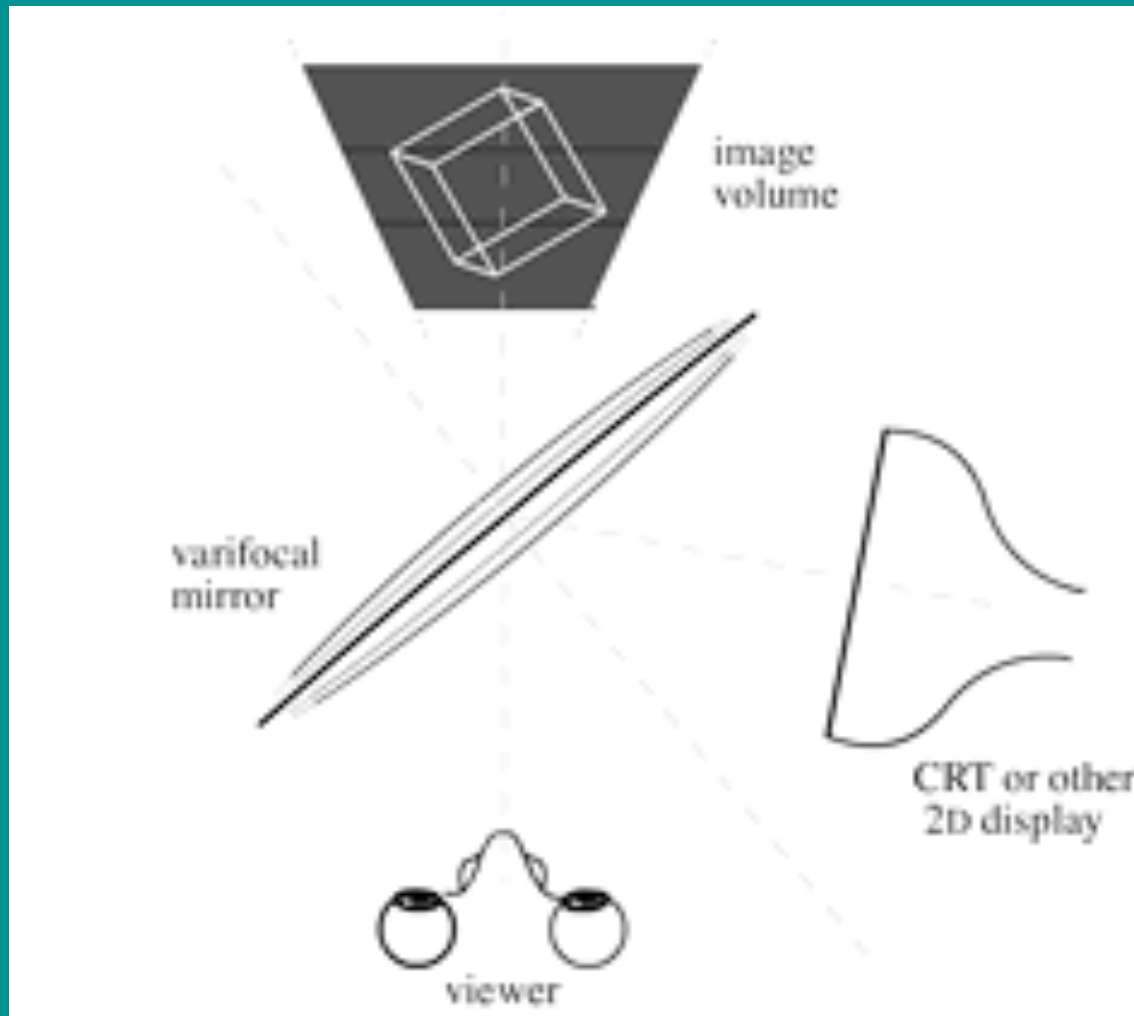
# DLP Projector



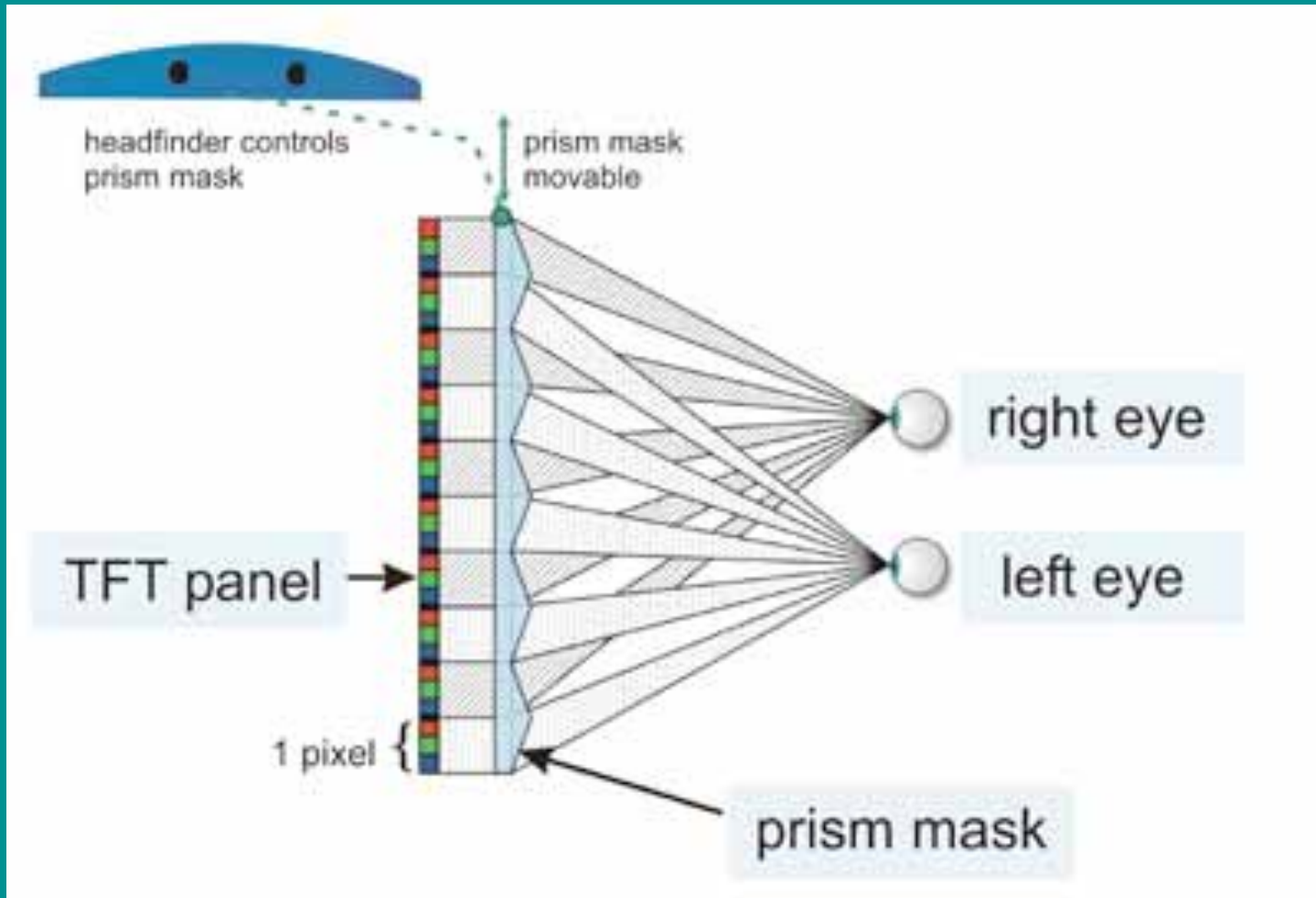
# DLP Projector



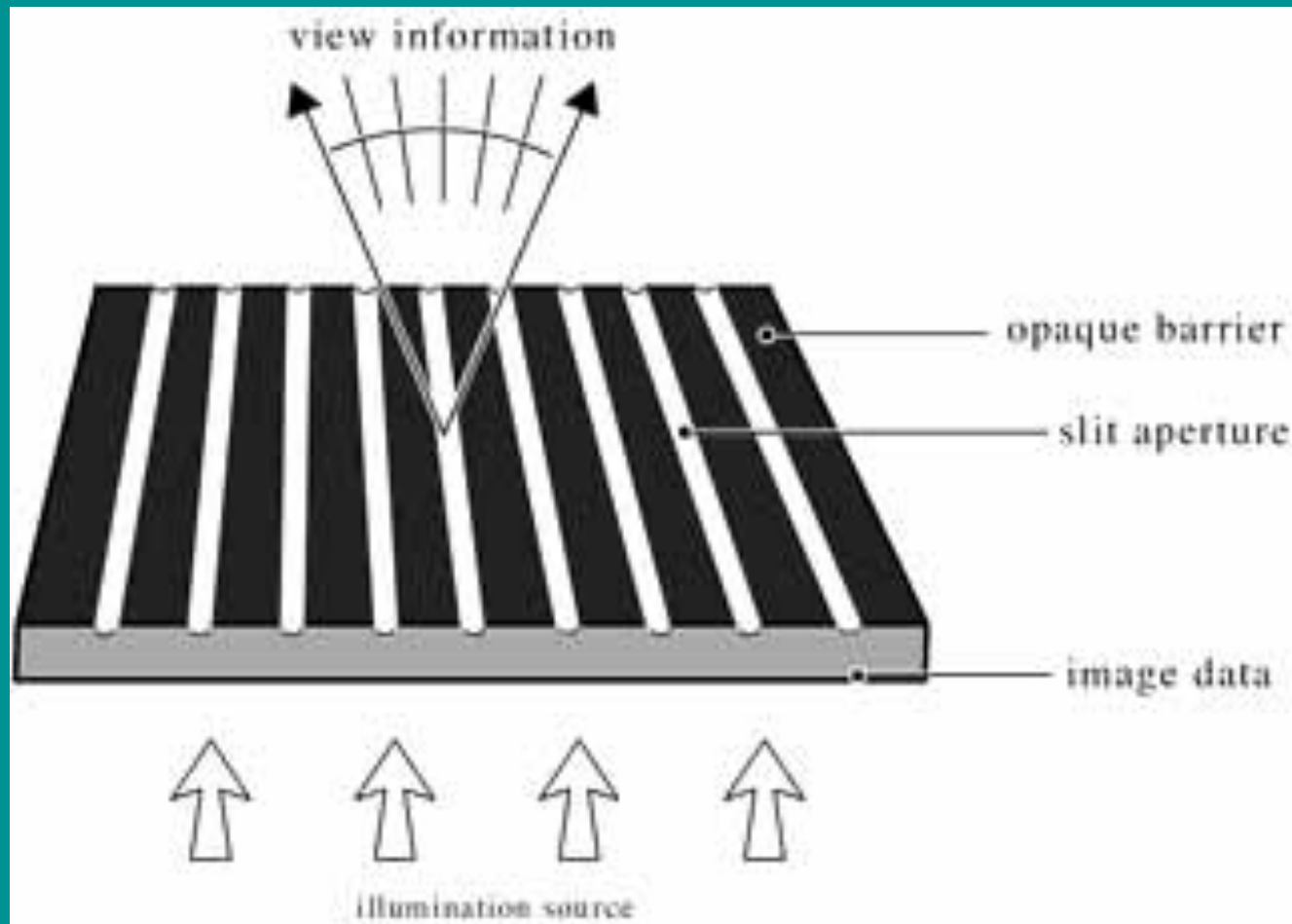
# Volumetric Display



# Auto-stereo Display

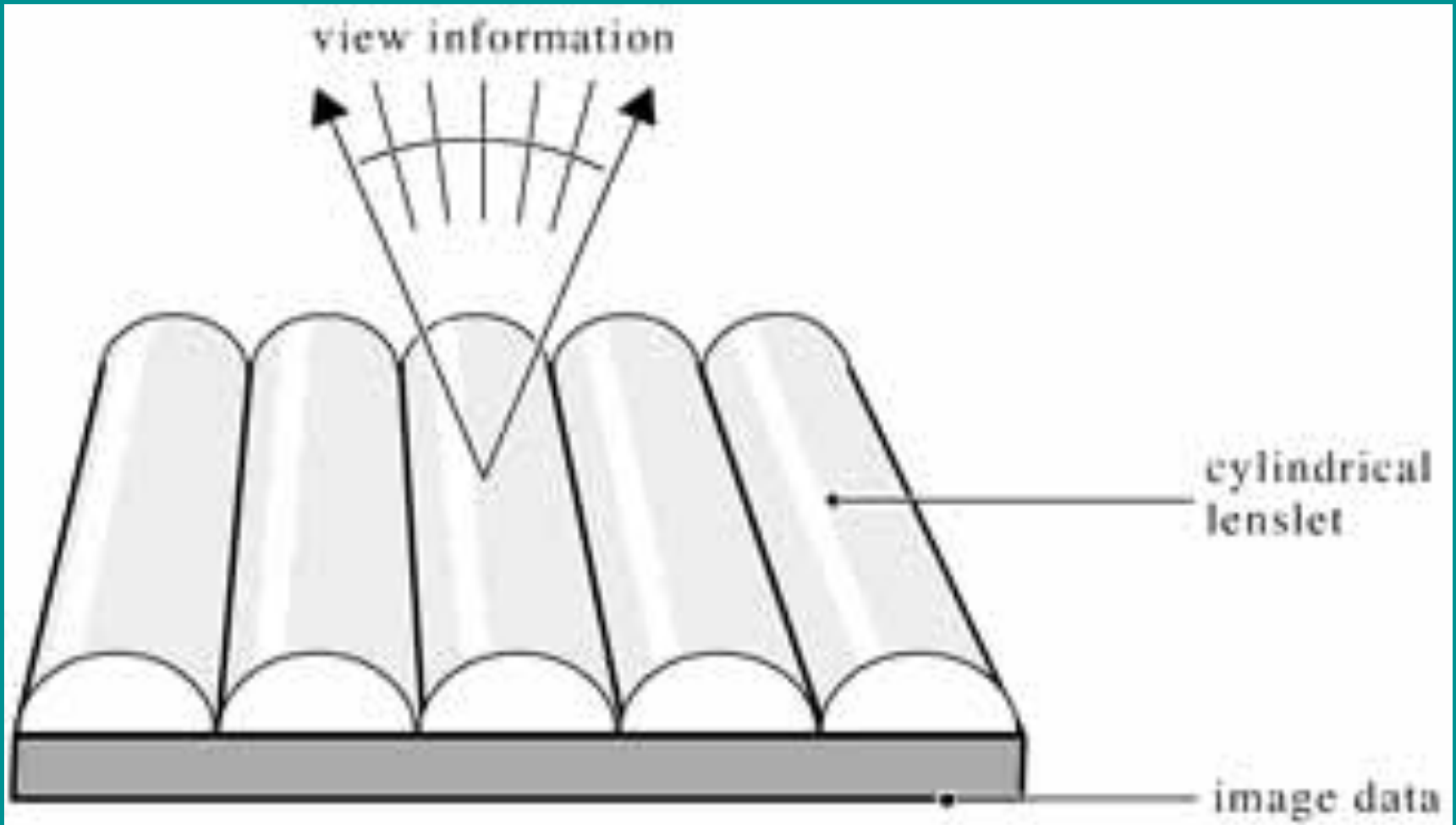


# Auto-stereo Display: Barrier



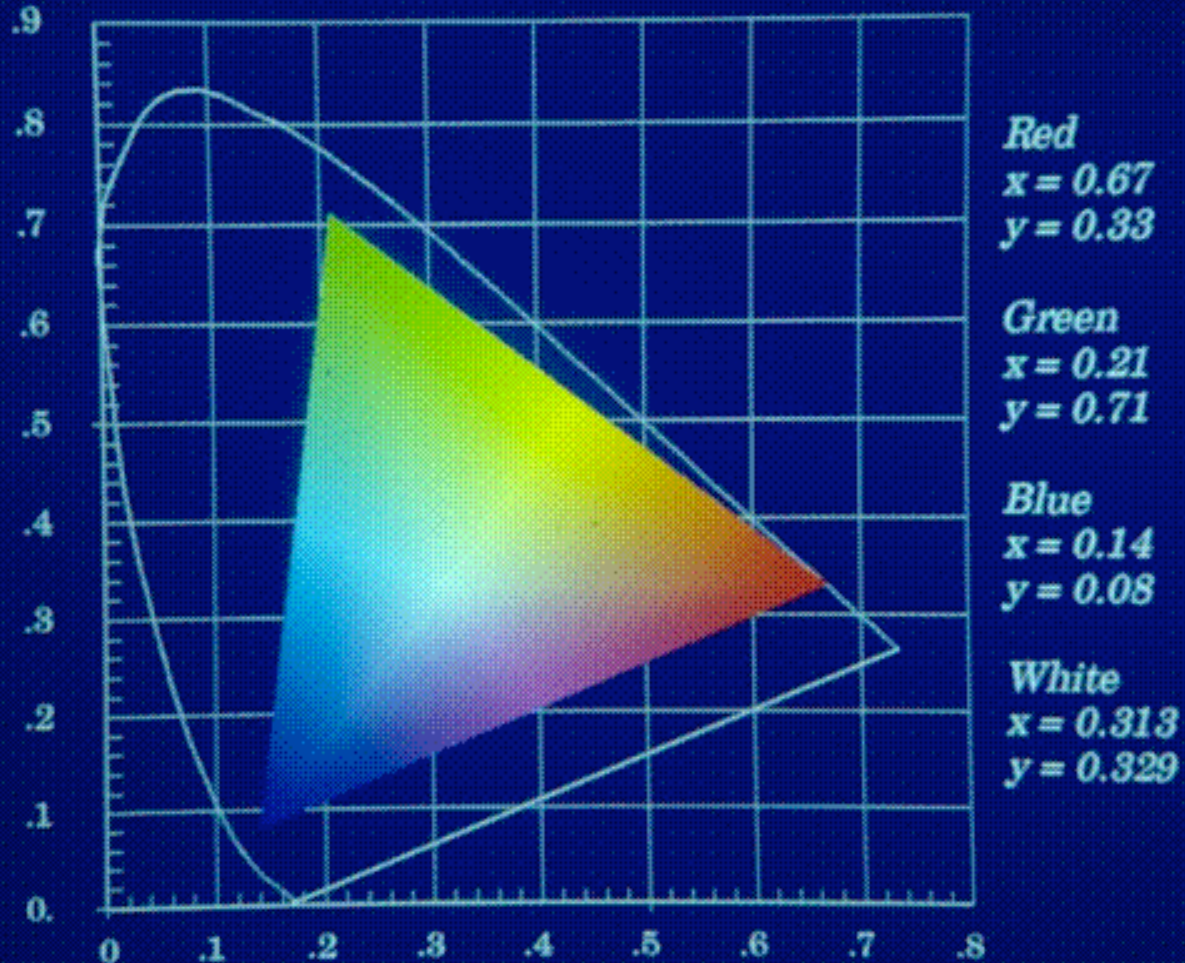


# Auto-stereo Display: Lenticular



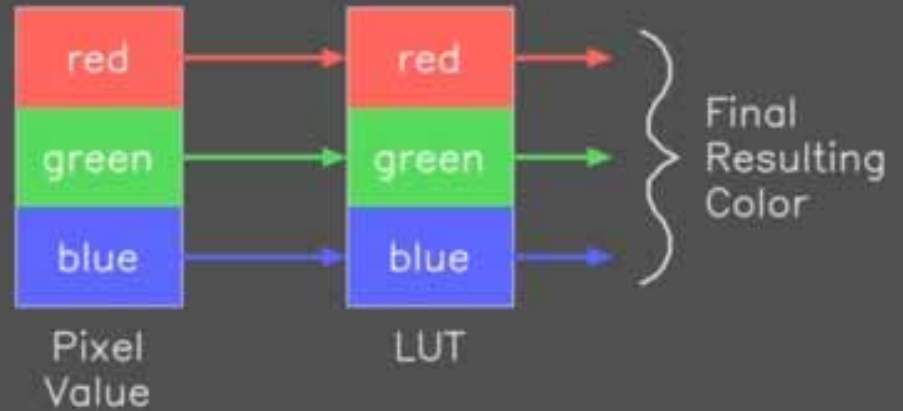
# Monitor Gamut

*CIE xy Diagram*

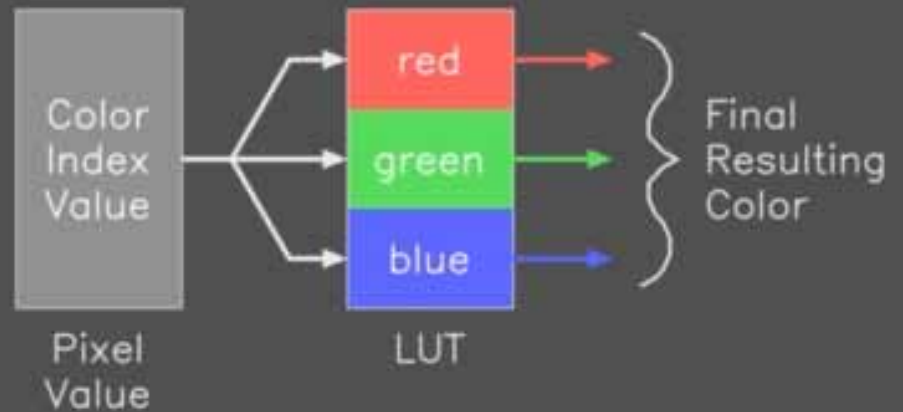


# Color Options

## True Color



## Pseudo Color



# Gamma Correction



# Gamma Correction

