

# Spectacolo Project

## Light Design Workshop

# 4

Centre of Higher education in **theatre** studies

## Software ...and the color

# The software we use

Vectorworks Spotlight

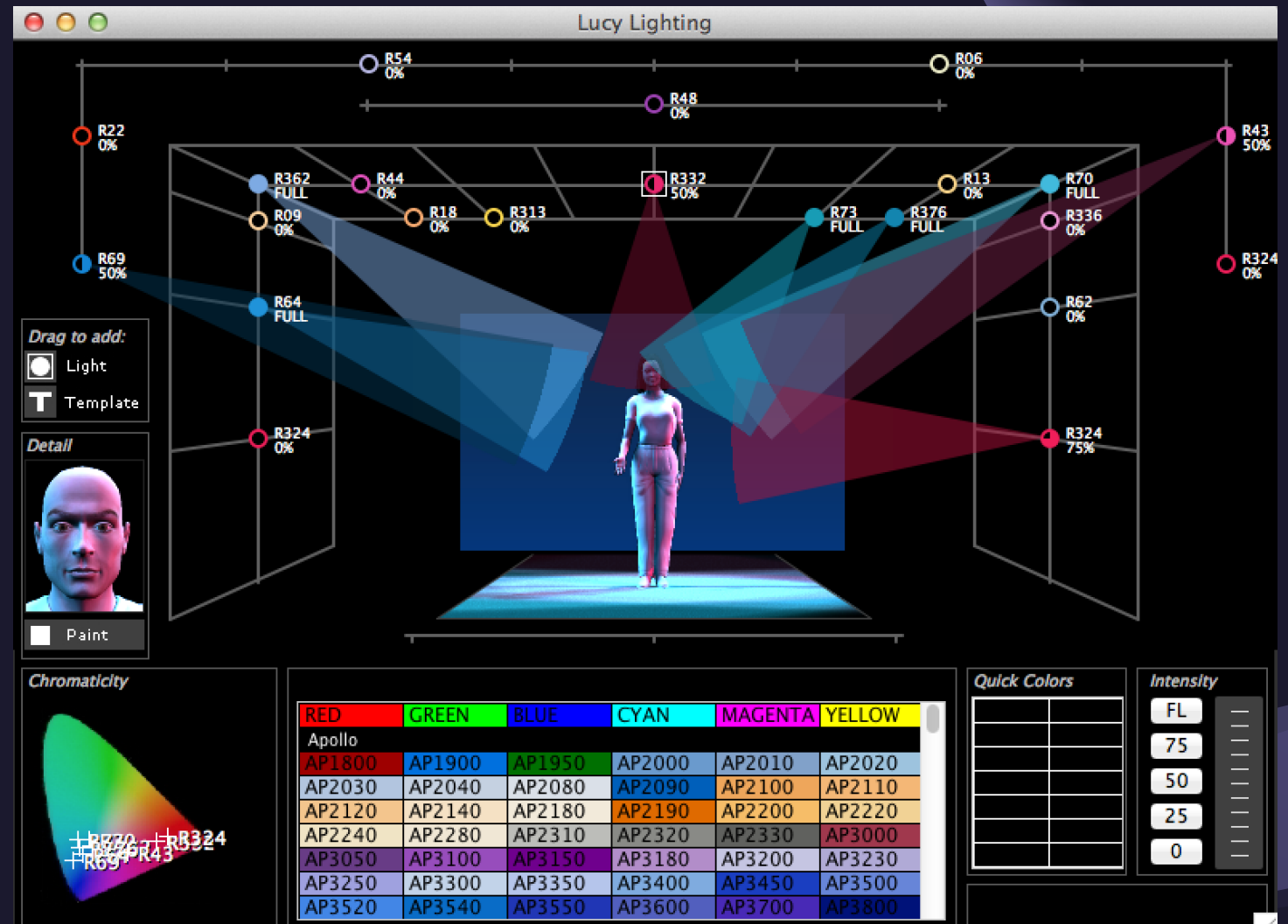
Lightwright

Capture

ETC EOS Family

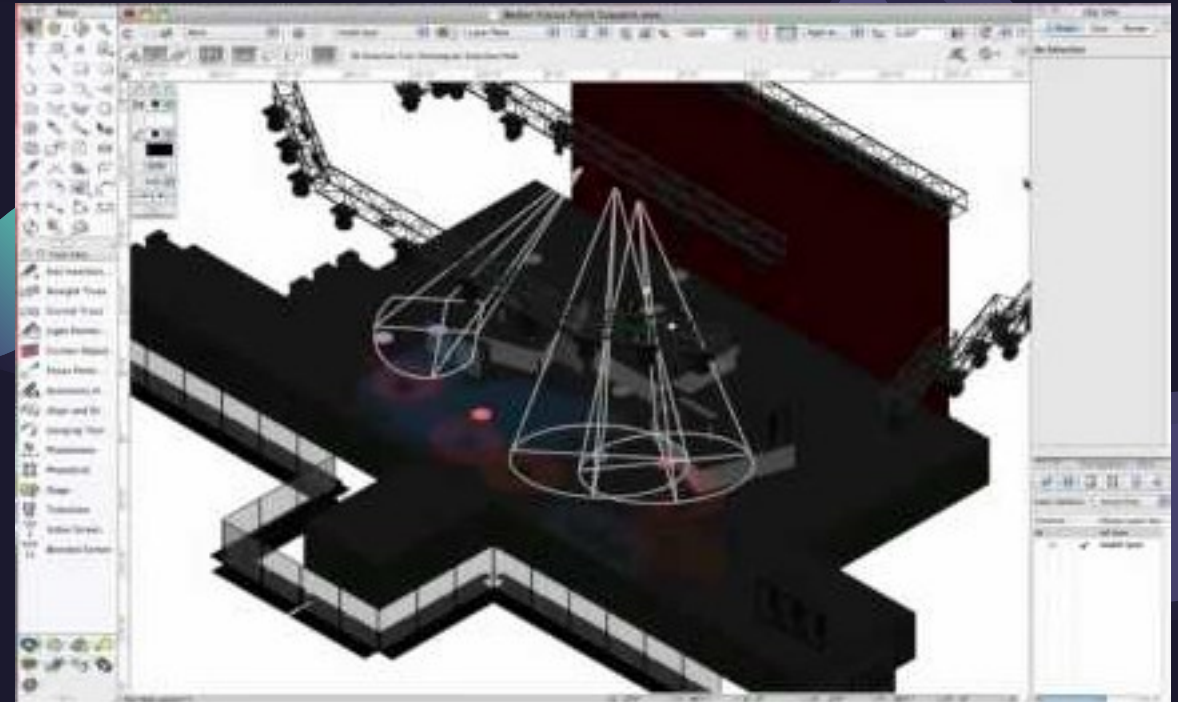
Qlab

My DMX



# Vectorworks Spotlight

a specialized software  
solution, designed  
specifically for  
professionals working  
in the entertainment  
and lighting industries.



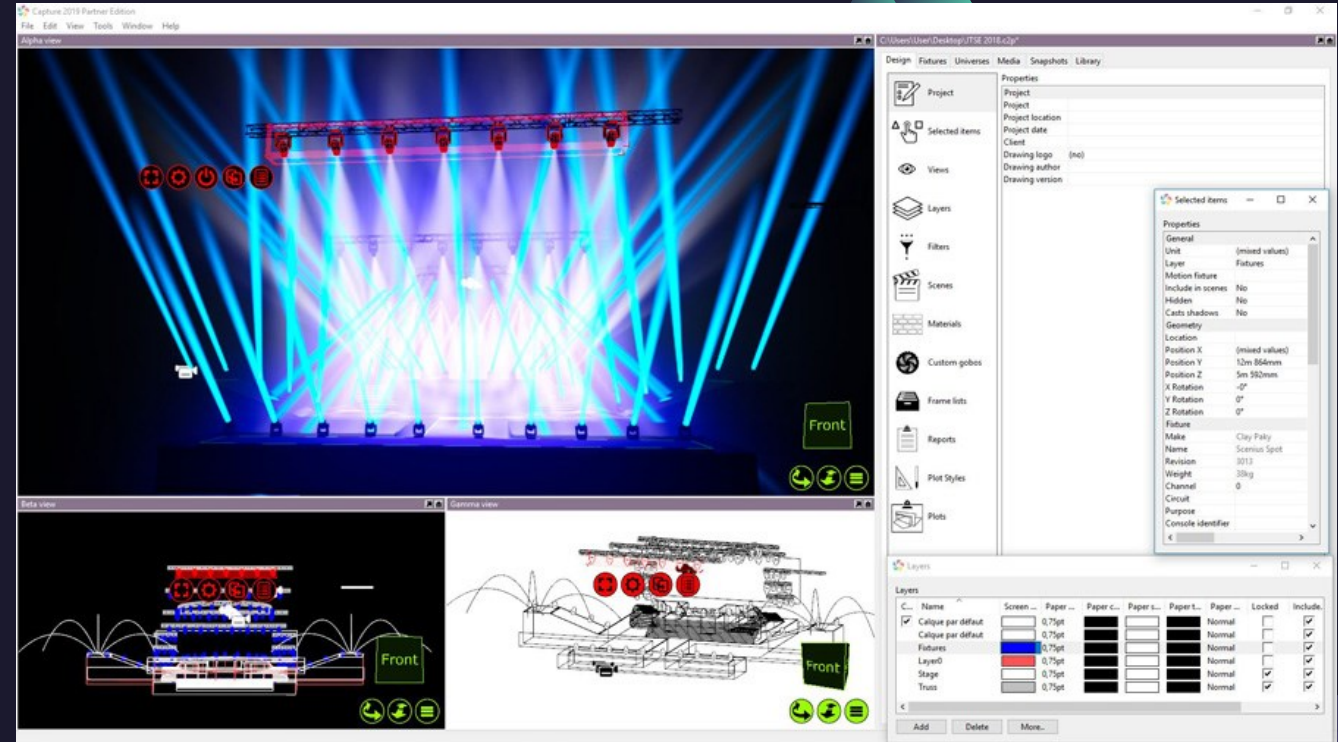
# Lightwright

**Lightwright is a specialized software designed for theatrical lighting professionals, particularly lighting designers and electricians. It's primarily focused on managing the paperwork associated with lighting design, although it also offers features for organizing and tracking lighting equipment.**



# Capture

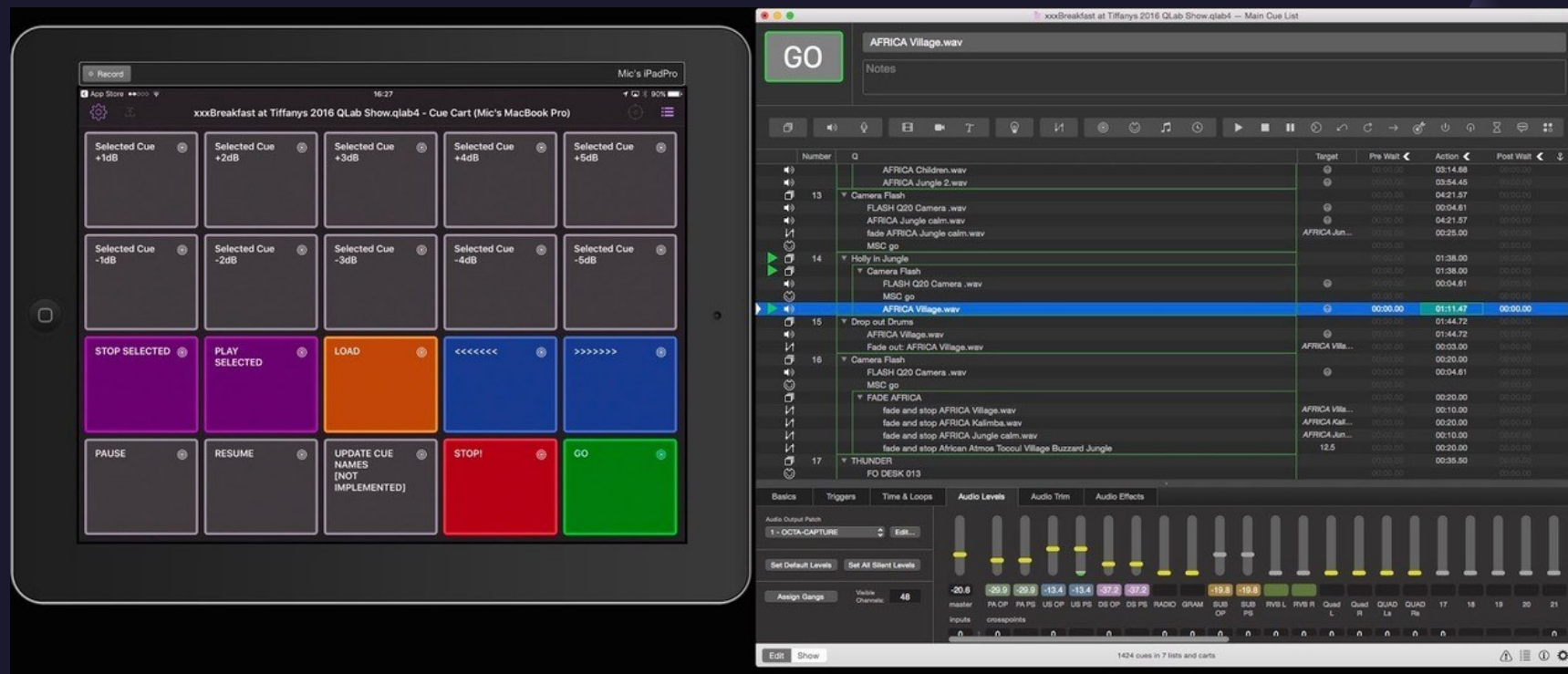
**Capture is a professional lighting design and visualization software commonly used in the entertainment industry, including theater, concerts, events, and architectural lighting design.**



## ETC EOS Family

The ETC Eos family of lighting consoles and software is widely used in the theatre and entertainment industry for controlling and programming lighting fixtures during live performances





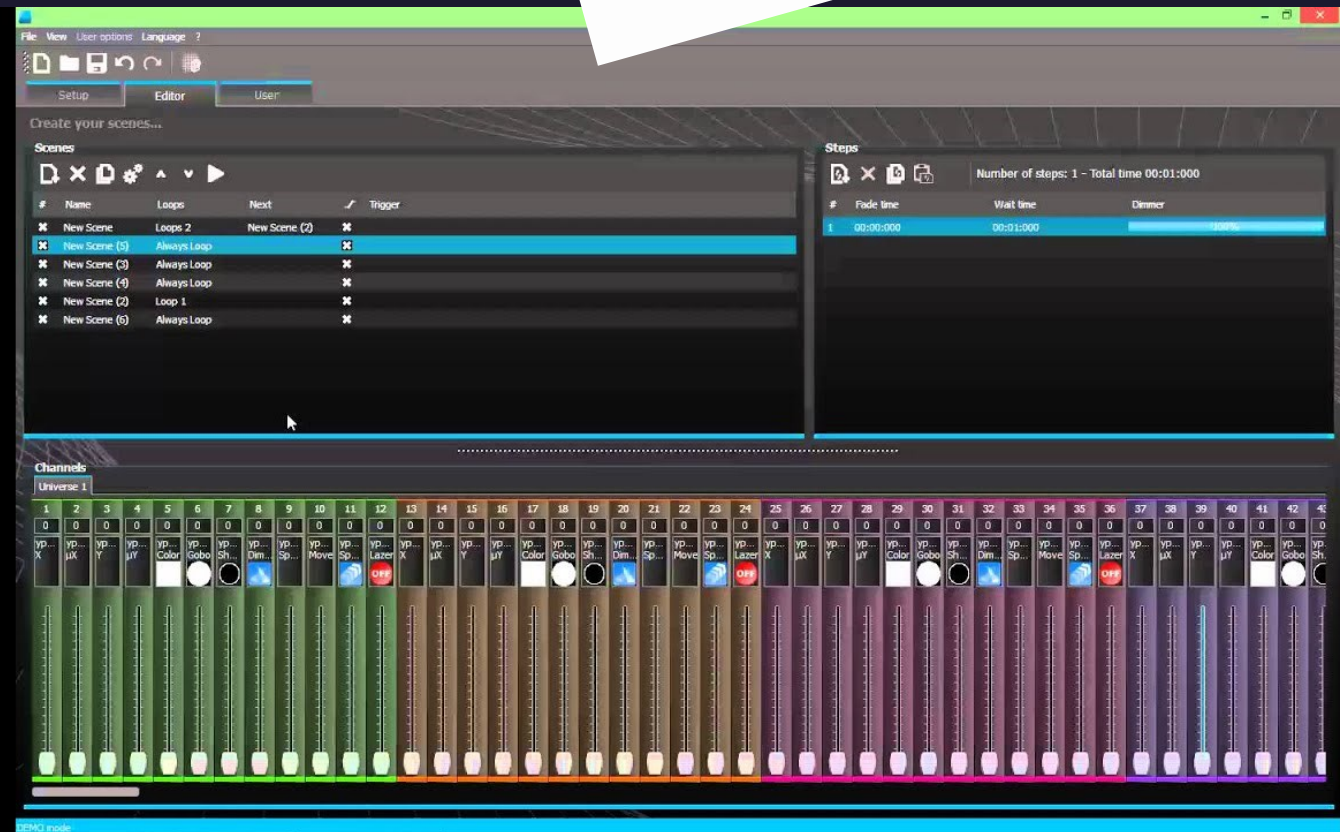
**QLab**

**QLab's primary focus is on audio and video playback, it also offers basic lighting control features, making it a versatile tool for integrated show control.**

# My DMX



The ADJ myDMX software is a lighting control application designed for managing DMX-compatible lighting fixtures in a wide range of environments, including theaters, clubs, concerts, and events. It offers an intuitive interface and a variety of features to facilitate the programming and control of lighting setups.









# The color

how it works

# The apple

What color is the apple?

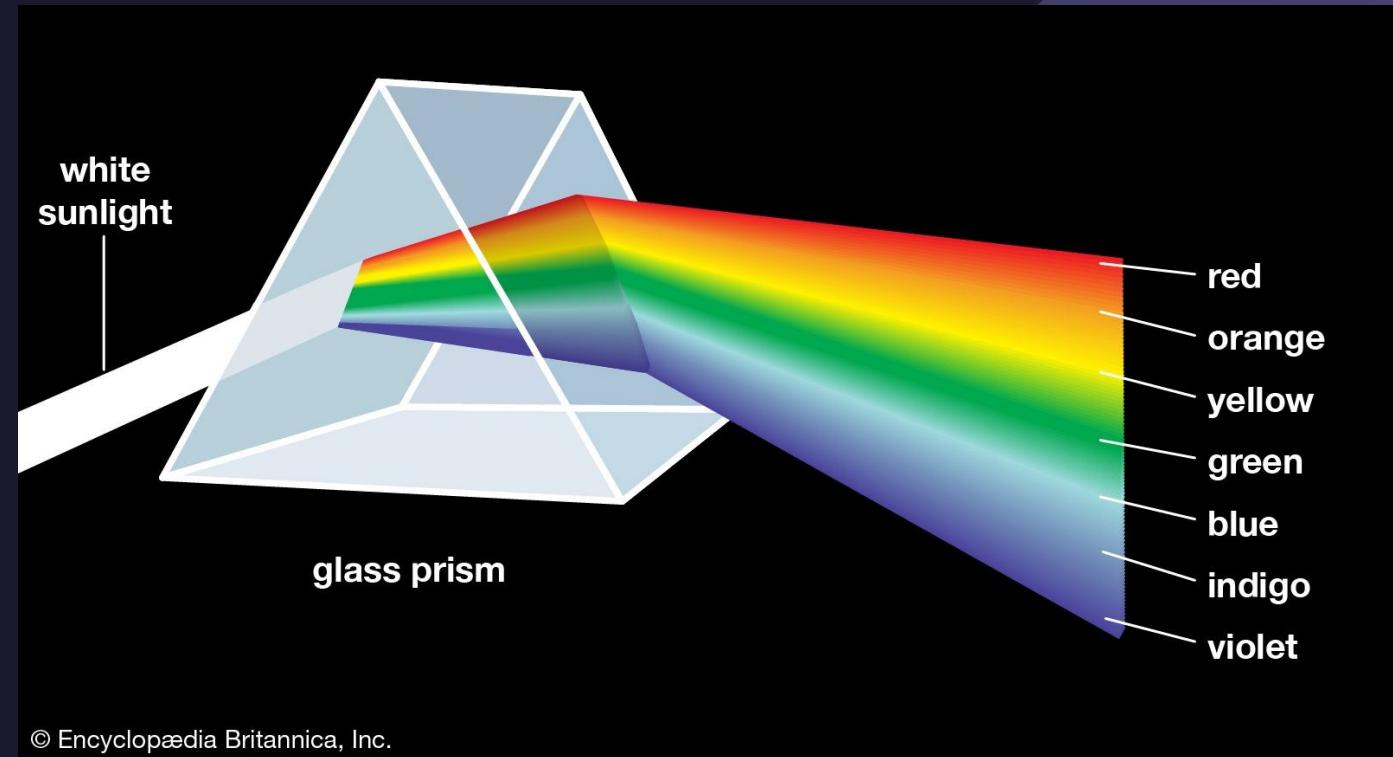


# But if we change the **lights**



# The white **light** has all the colors

- **White light has all the wavelengths of the electromagnetic spectrum, including all the colors of the rainbow, and also the ones that we can't even see, like infrared and ultraviolet.**

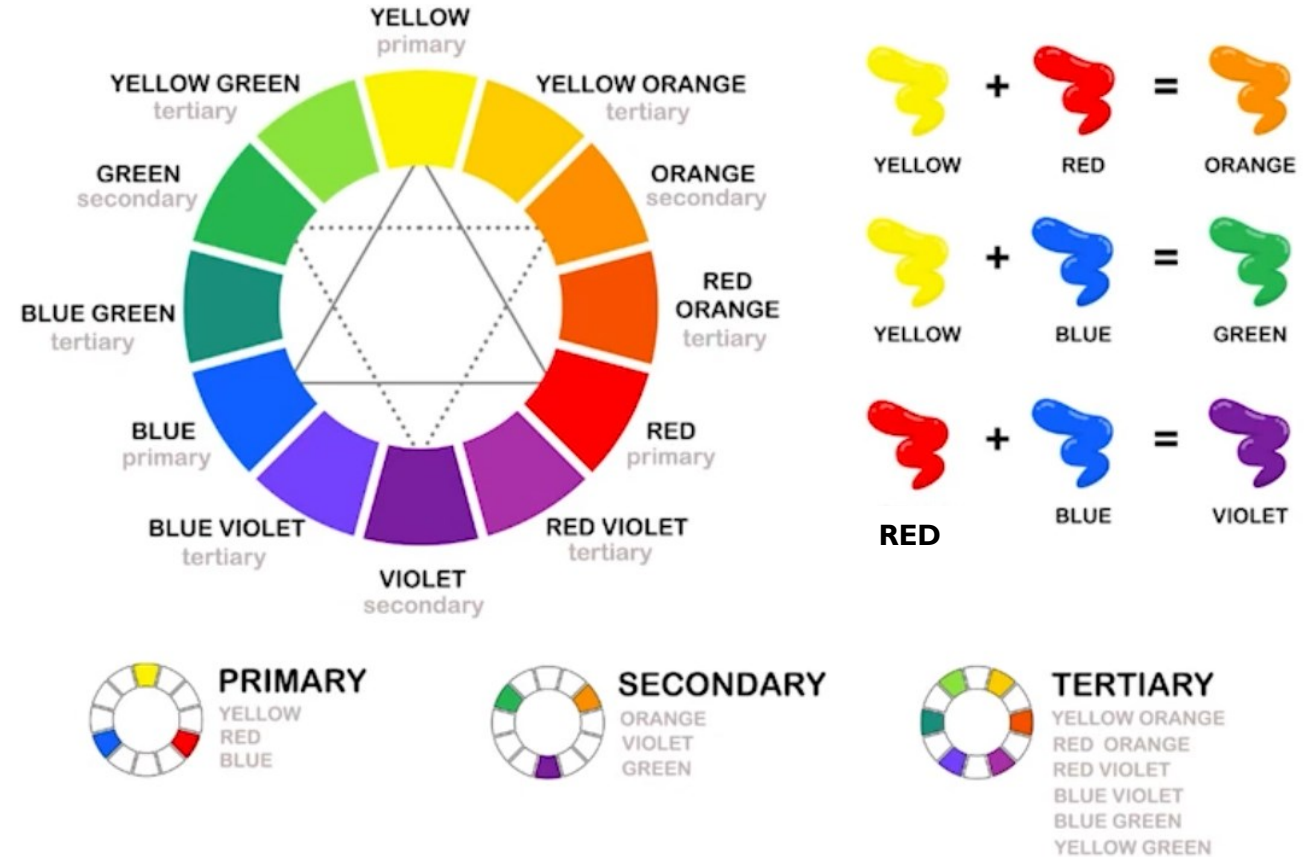


**Red**  
**Yellow**  
**Blue**

The primary colors are

**Red**  
**Yellow**  
**Blue**

but only in paint



# The color wheel in lights

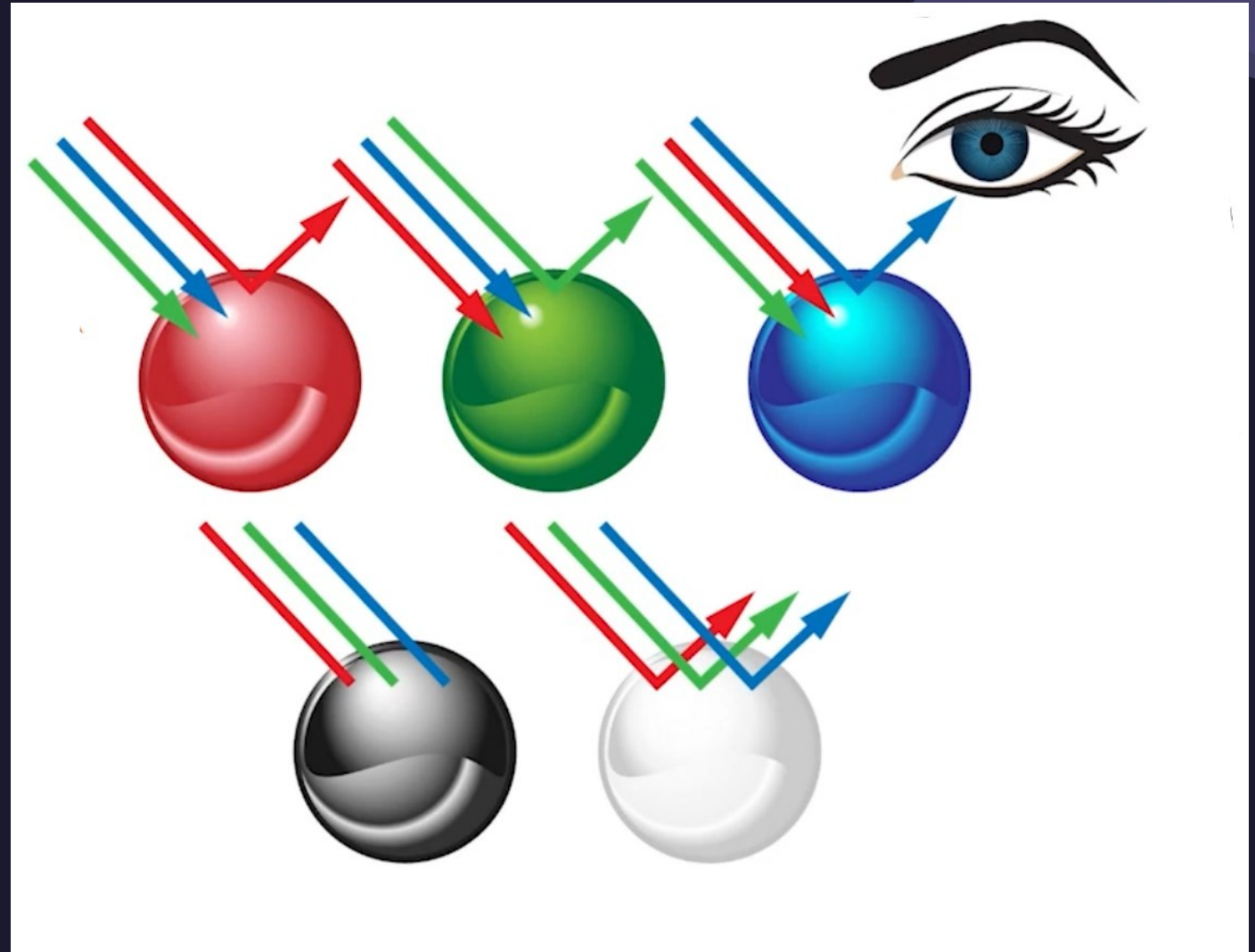
This is the color wheel for lighting.  
It's similar, but not the same.

in lighting are  
**Red**  
**Blue**  
and **green**



# The **light** the object and the eye

When light comes at an object,  
it has those three primary  
colors.  
But when those three primaries  
hit an object that is red, or that  
we perceive as red, the energy  
from the green and the blue  
gets absorbed and the red gets  
reflected and prevails.





- By adjusting the intensity or brightness of each primary color (red, green, and blue), you can create a wide range of colors. And that's we are doing in light design.

a wide  
range  
of colors.

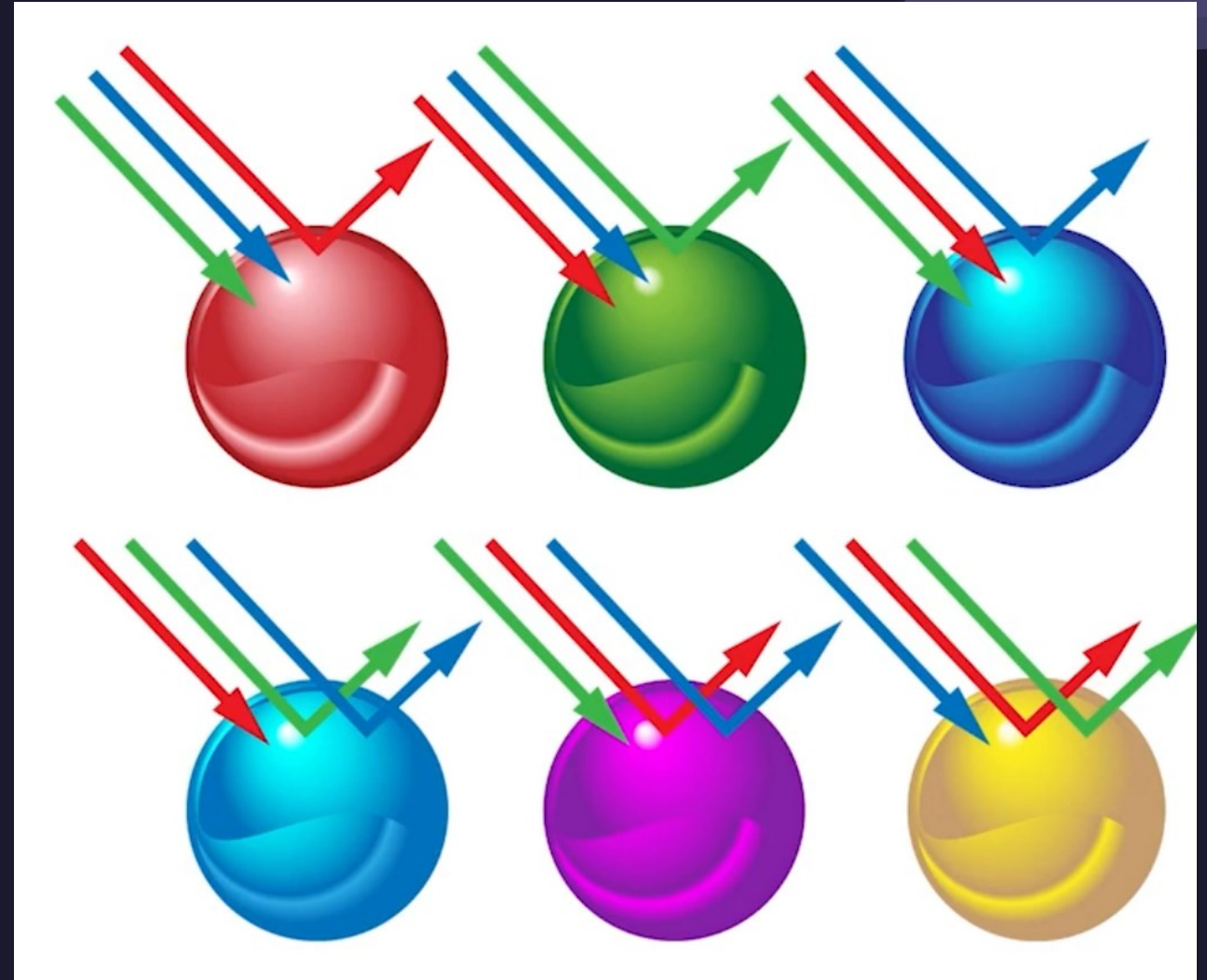


# Secondary colors

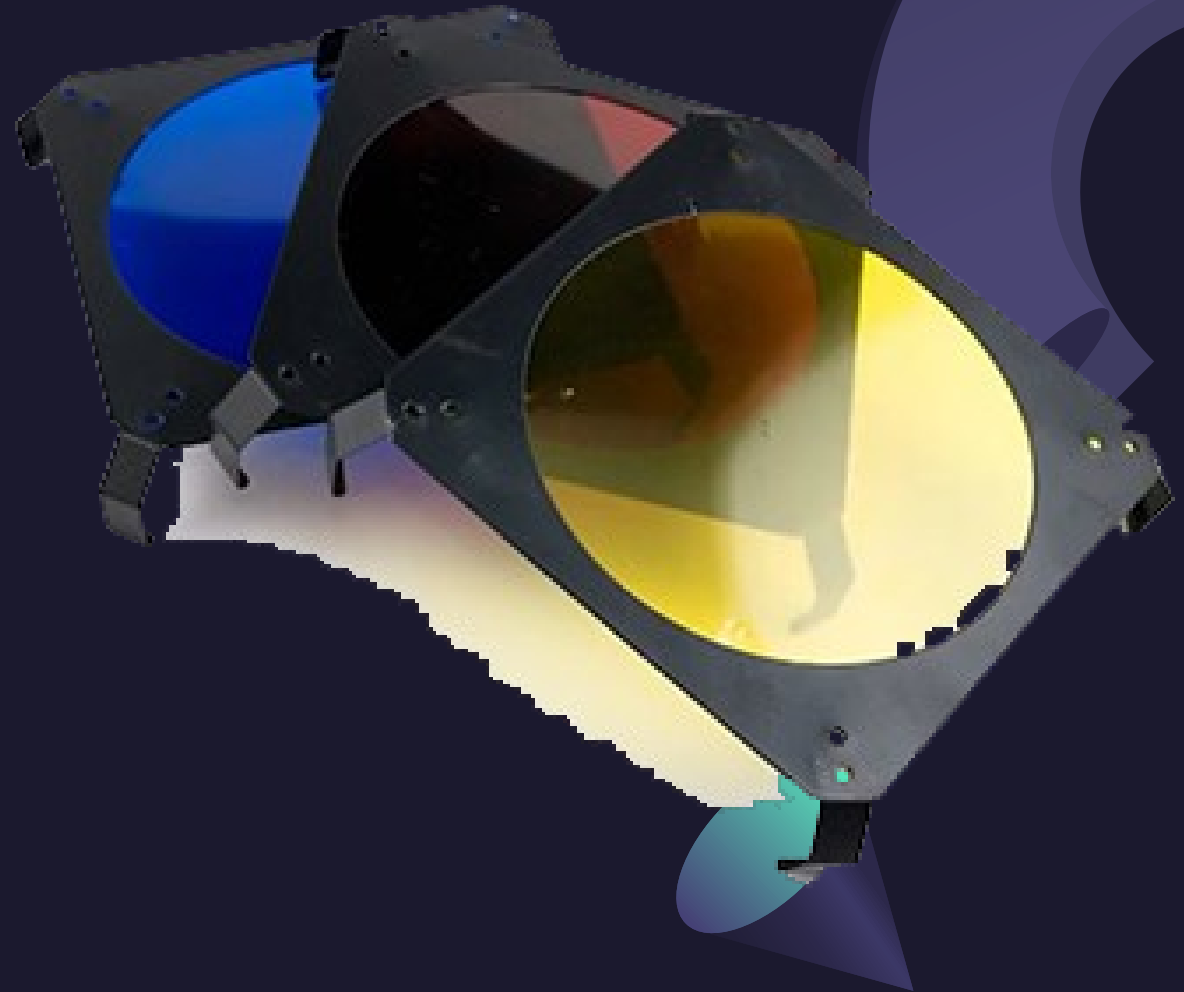
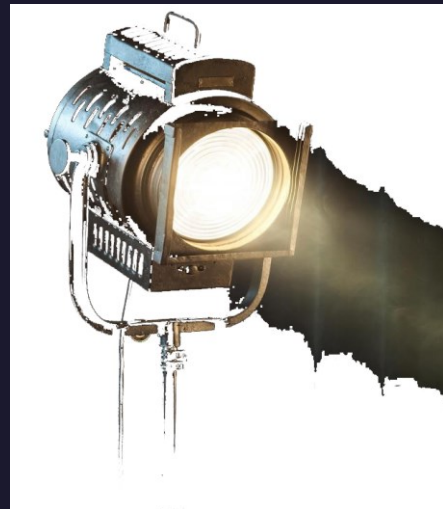
**Cyan** = **blue** and **green**  
(are reflected)

**Magenta** = **red** and **blue**  
(are reflected)

and **yellow, or amber,**  
comes from reflecting  
**red** and **green**



# GELS make the same job



# Warm and cool lights

# From techniques to aesthetics and art



# Warm lights

Warm lights in  
theater  
performances  
are an essential  
aspect of stage  
lighting design



# Cool lights

**Cool lights in theater performances are used to create a variety of effects, atmospheres, and moods on stage. Unlike warm lights, which emit a yellowish or reddish hue, cool lights have a bluish or whitish tint.**



## Be creative



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