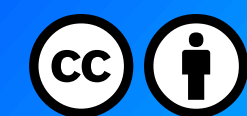


# Colour Theory

# Teoría del Color

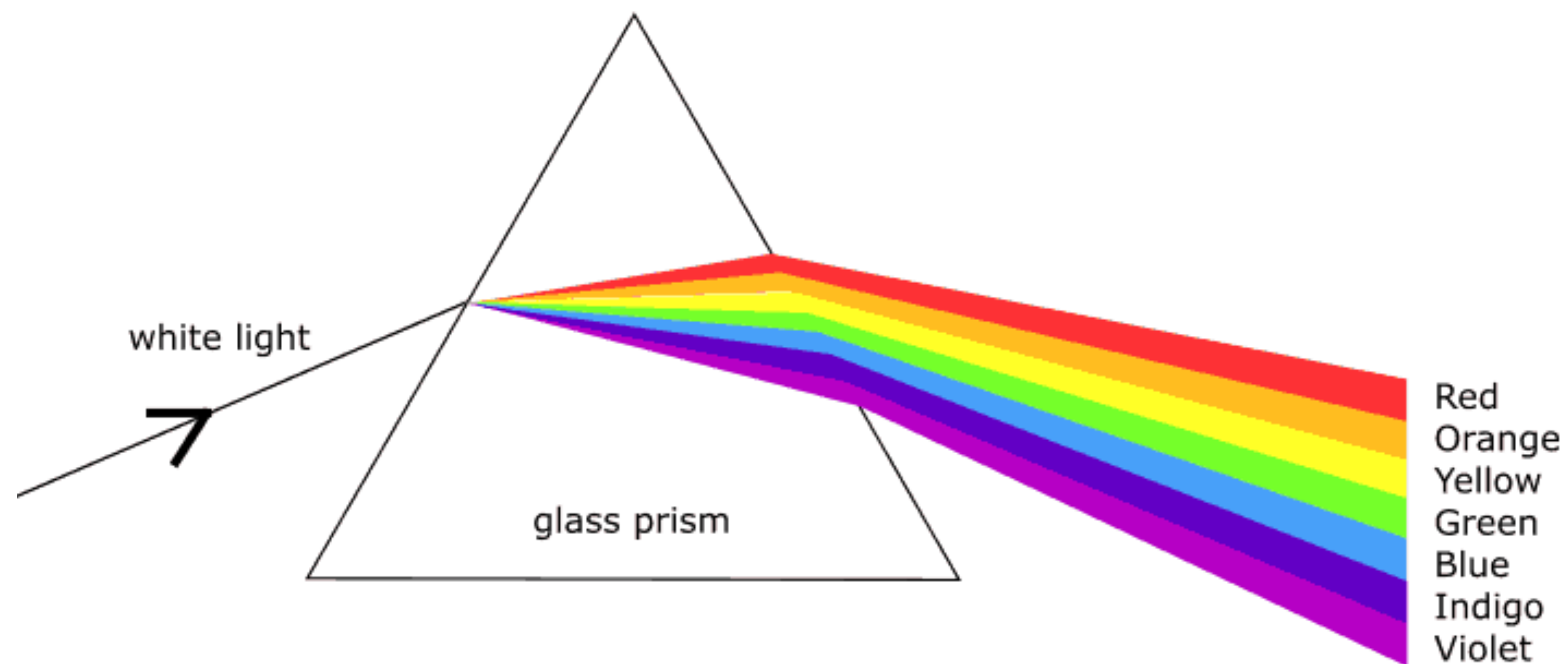


# What is Colour?

It is a light phenomenon or a visual perception phenomenon that allows a person to distinguish between objects that would otherwise appear to be the same.

Colour is a feature of an object that arises from the light emitted or reflected by that object. Colour can be visually “checked” by evaluating its properties (tone, saturation, chromaticity, and brightness).

# Which are the colors of the rainbow?



# Colour Models

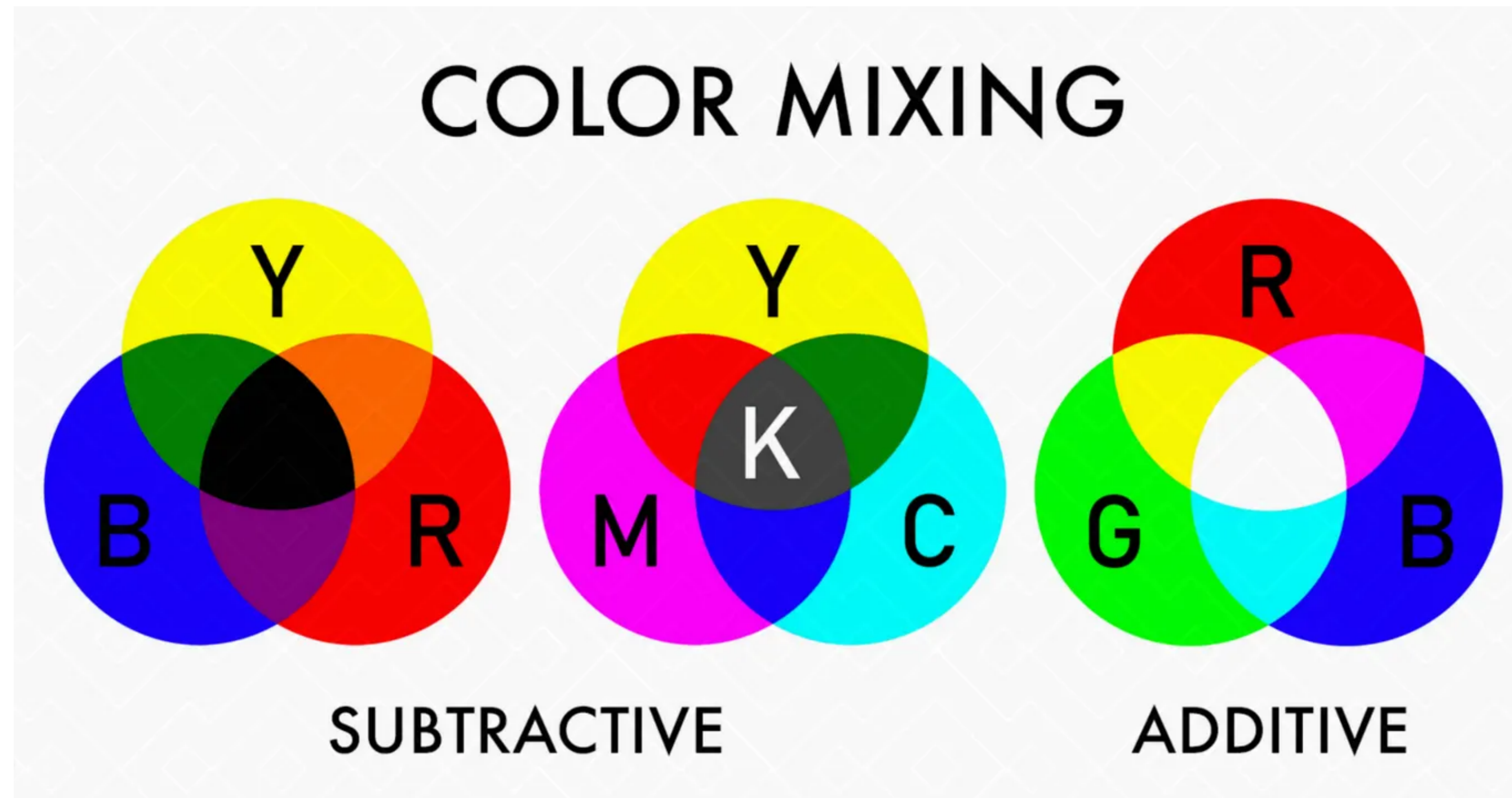
There are many colour models or systems to use. Depending on the medium, materials and techniques, it is used one or another.

## SUBTRACTING COLOUR MIXING

Such as in a printer

## ADDITIVE COLOUR MIXING

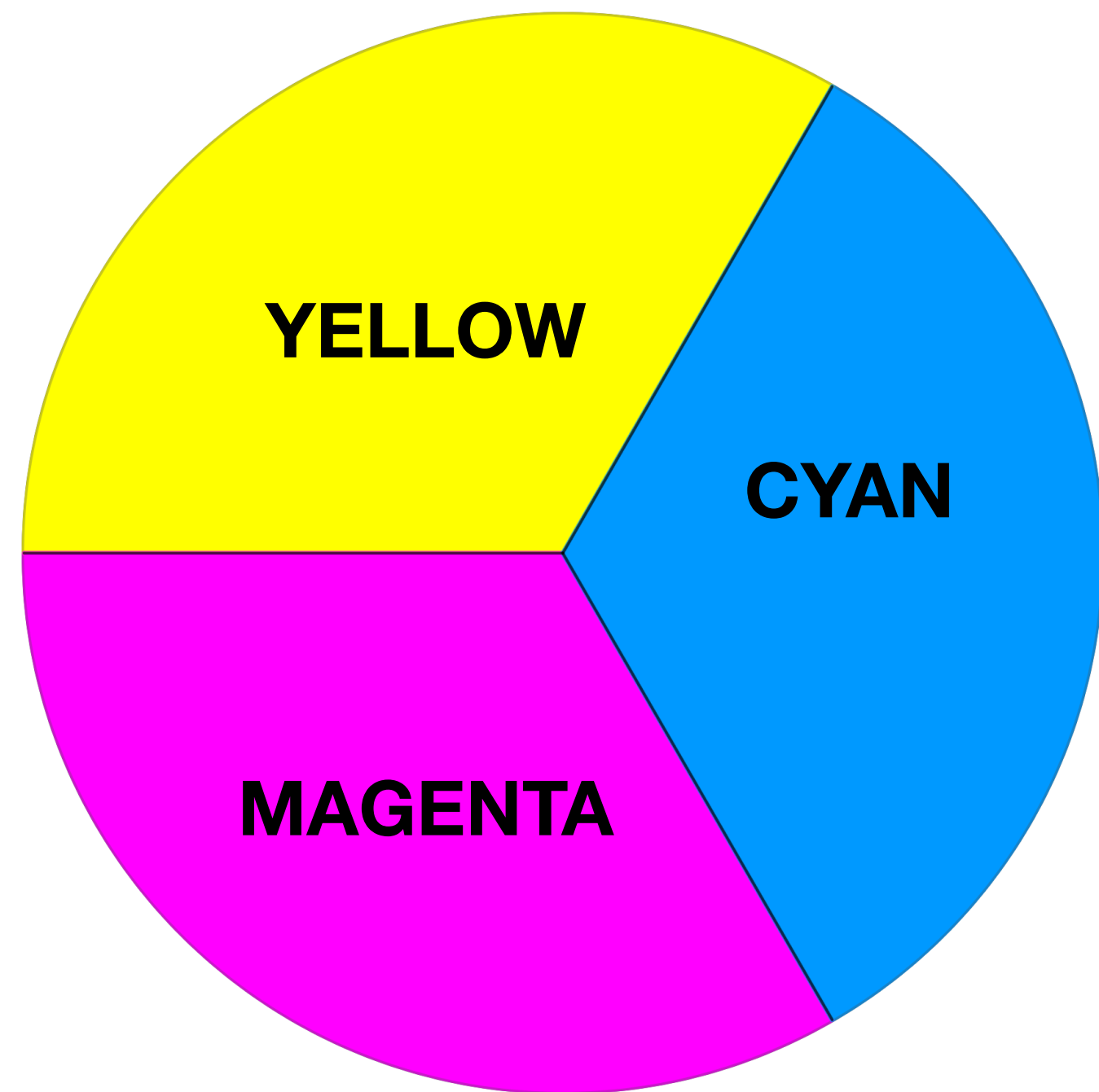
Such as in a computer



# SUBTRACTING COLOUR MIXING

## Primary Colours

We call primary colours to the basic colours needed in order to obtain the rest of the colours. We cannot obtain the primary colours with any other.

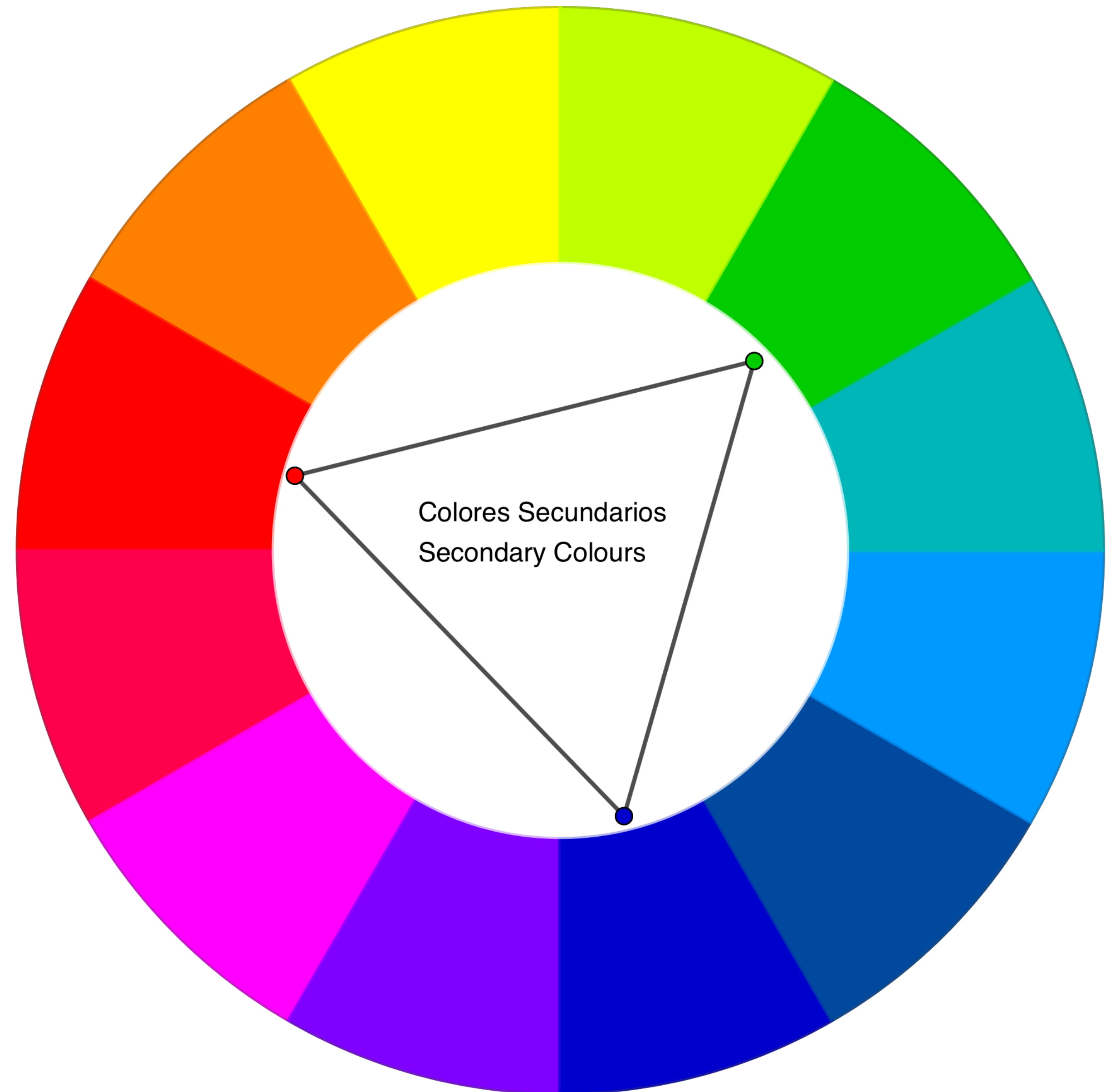
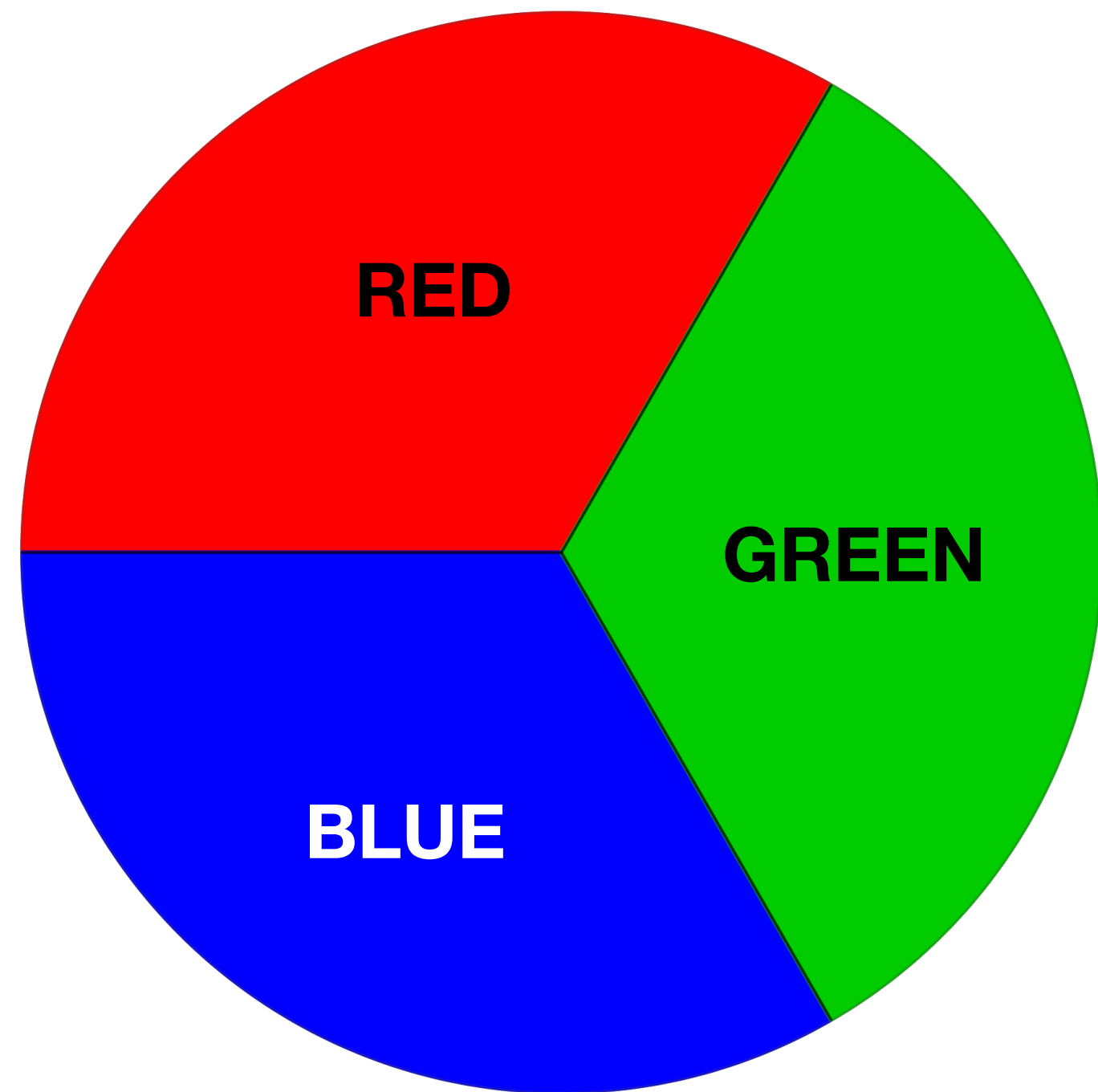


CMY = **CYAN**, **MAGENTA** AND **YELLOW**

# SUBTRACTING COLOUR MIXING

## Secondary Colours

The secondary colours are the ones that we obtain by mixing two primary colours at equal parts.

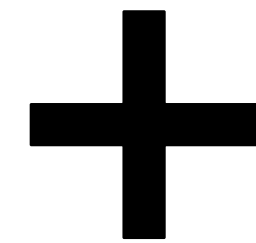
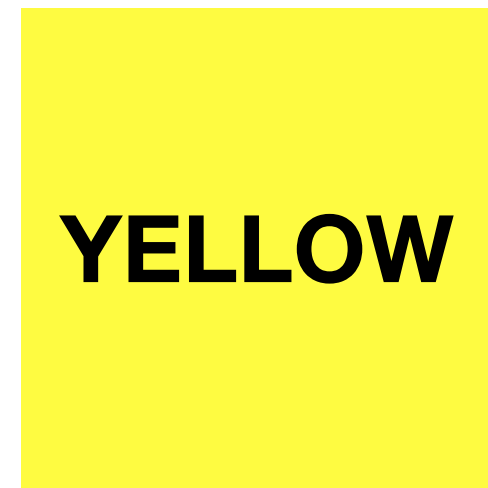


RGB= RED, GREEN AND (VIOLET) BLUE

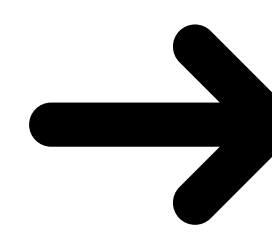
# Mixing Colours

How to obtain the secondary colors

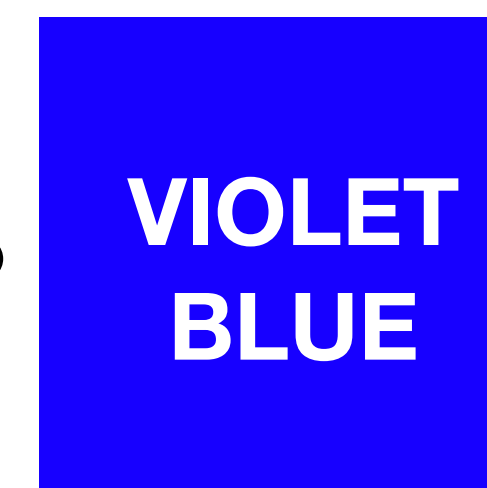
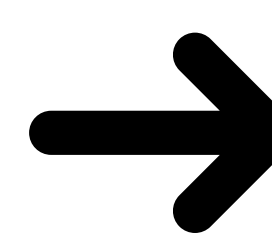
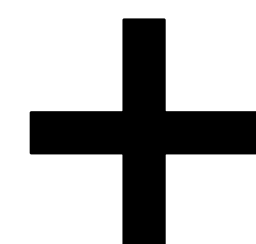
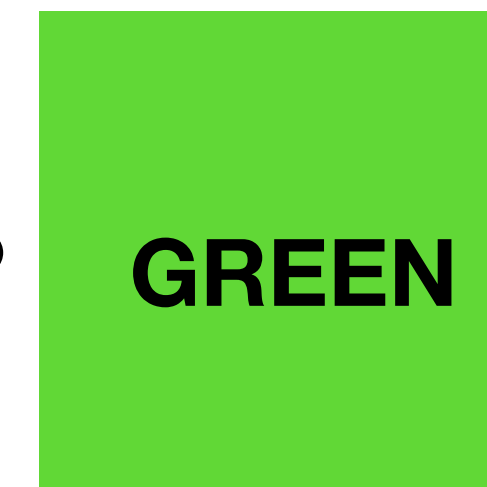
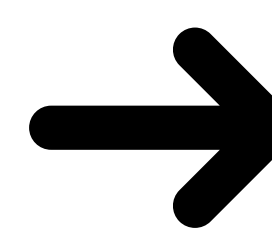
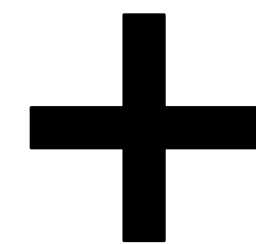
Primary  
Primario

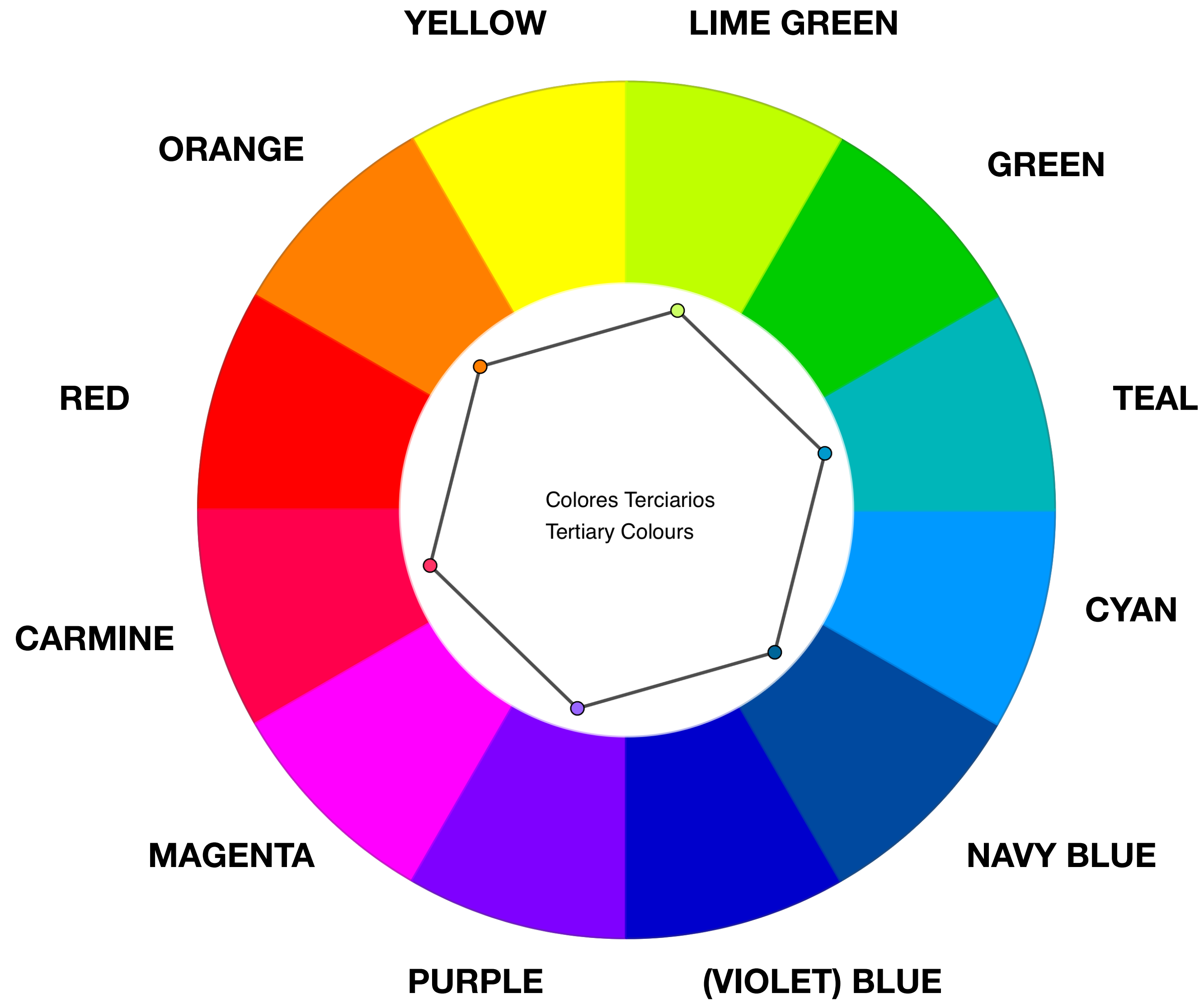


Primary  
Primario



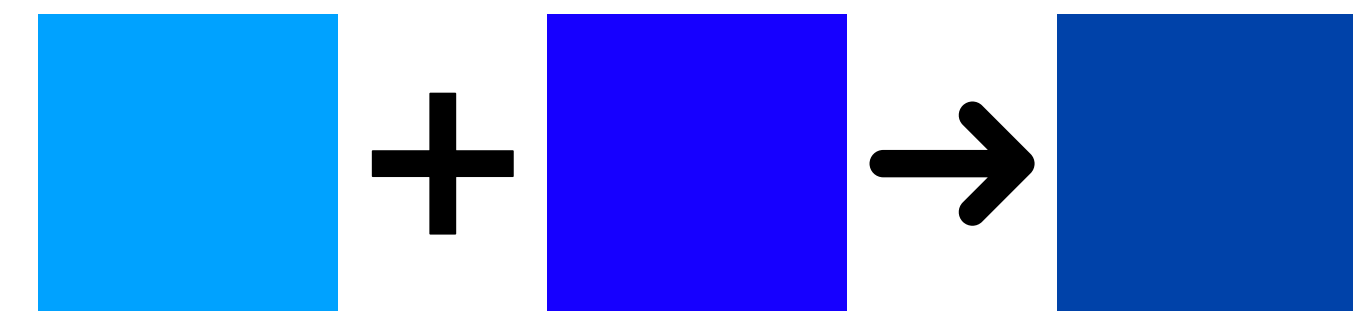
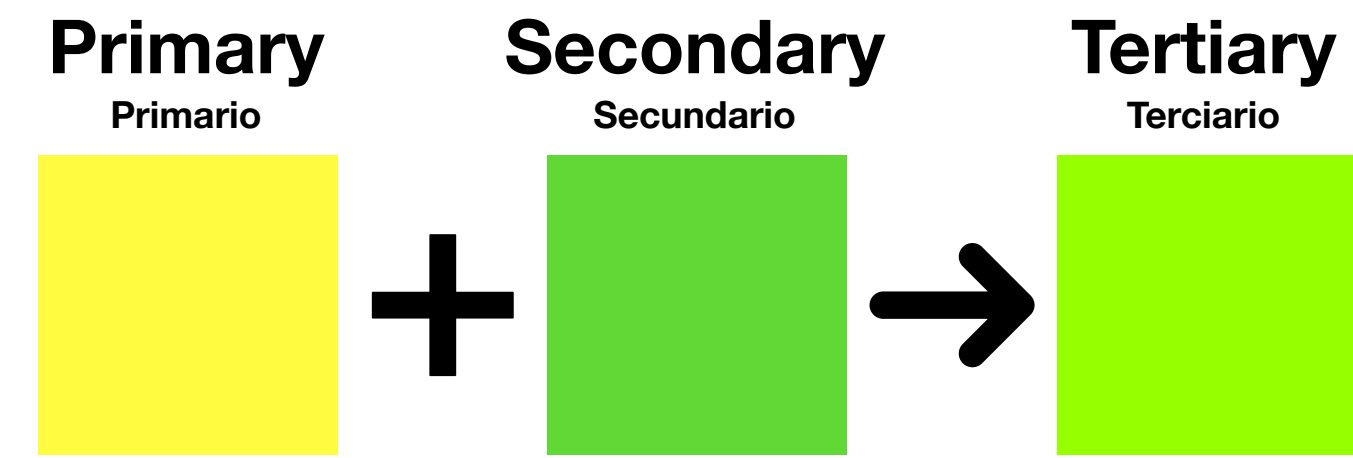
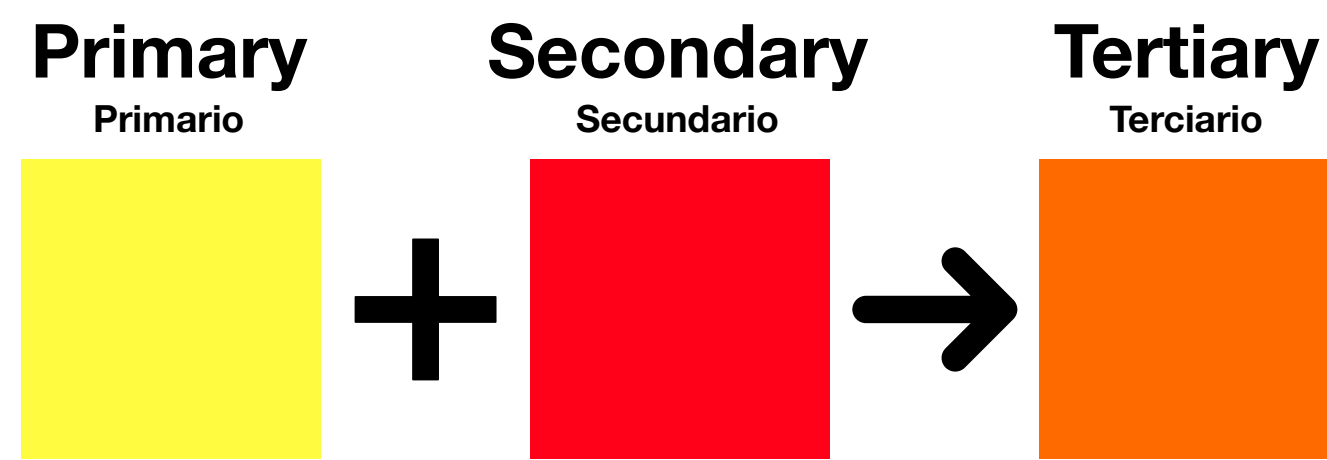
Secondary  
Secundario





# Mixing Colours

Mezclando Colores



# Warm Colours

Colores Cálidos

**Warm colours are those colours which have a certain amount of red in their blend  
They go from yellow to purple.**



# Cool Colours

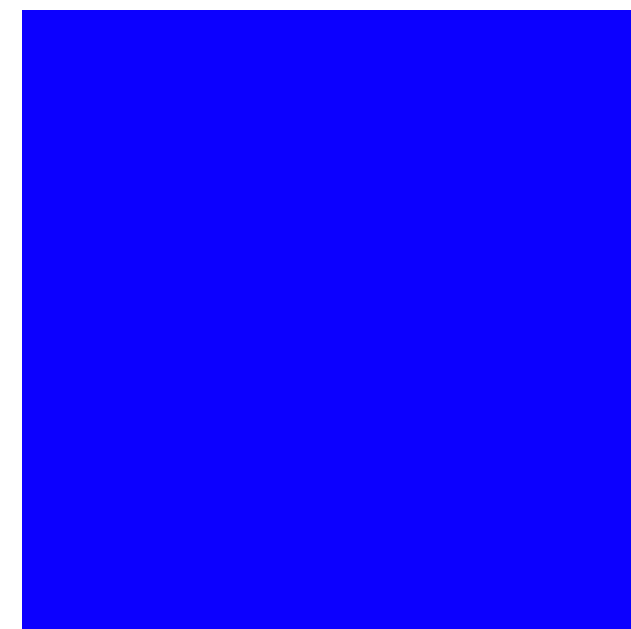
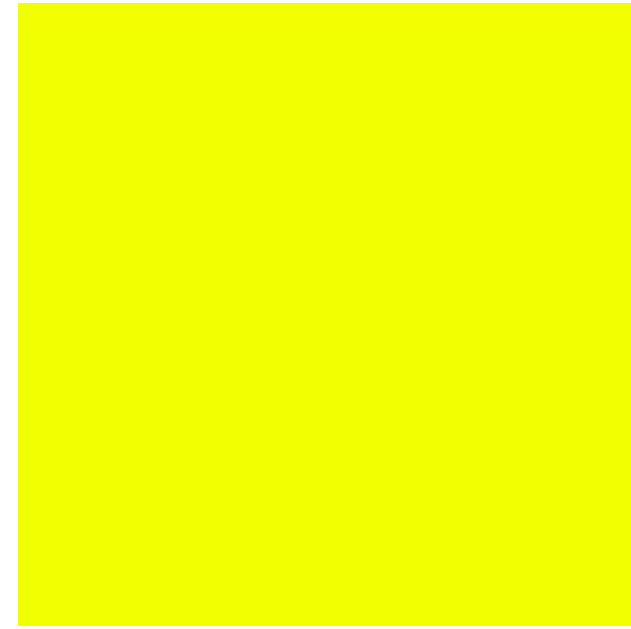
Colores Fríos



**Cool colours are those colours that have a certain amount of cyan in their blend.**

**They go from a lime green to the violet blue.**

**Cool tone**  
Tono frío

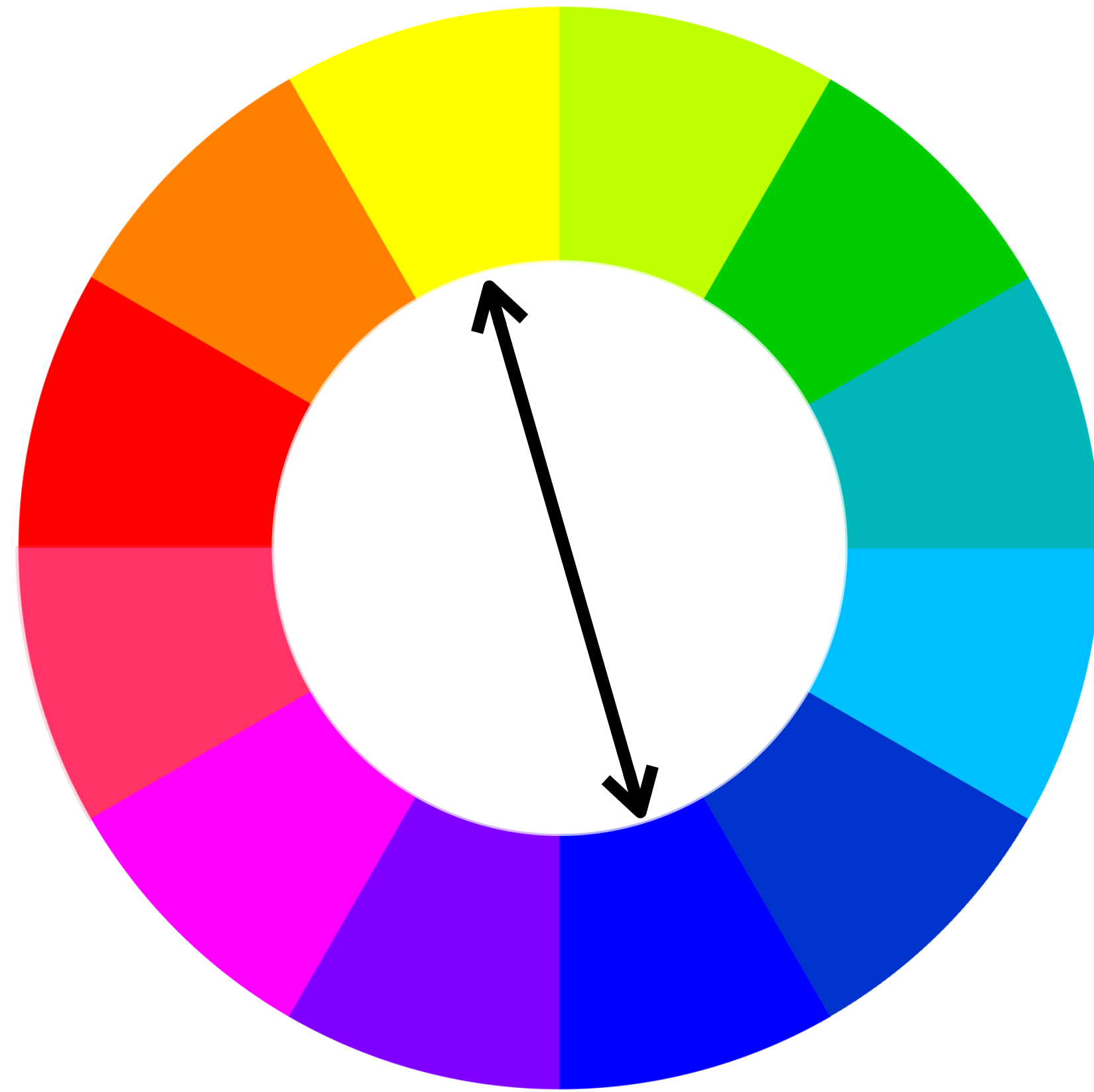


**Warm tone**  
Tono cálido



# Complementary Colours

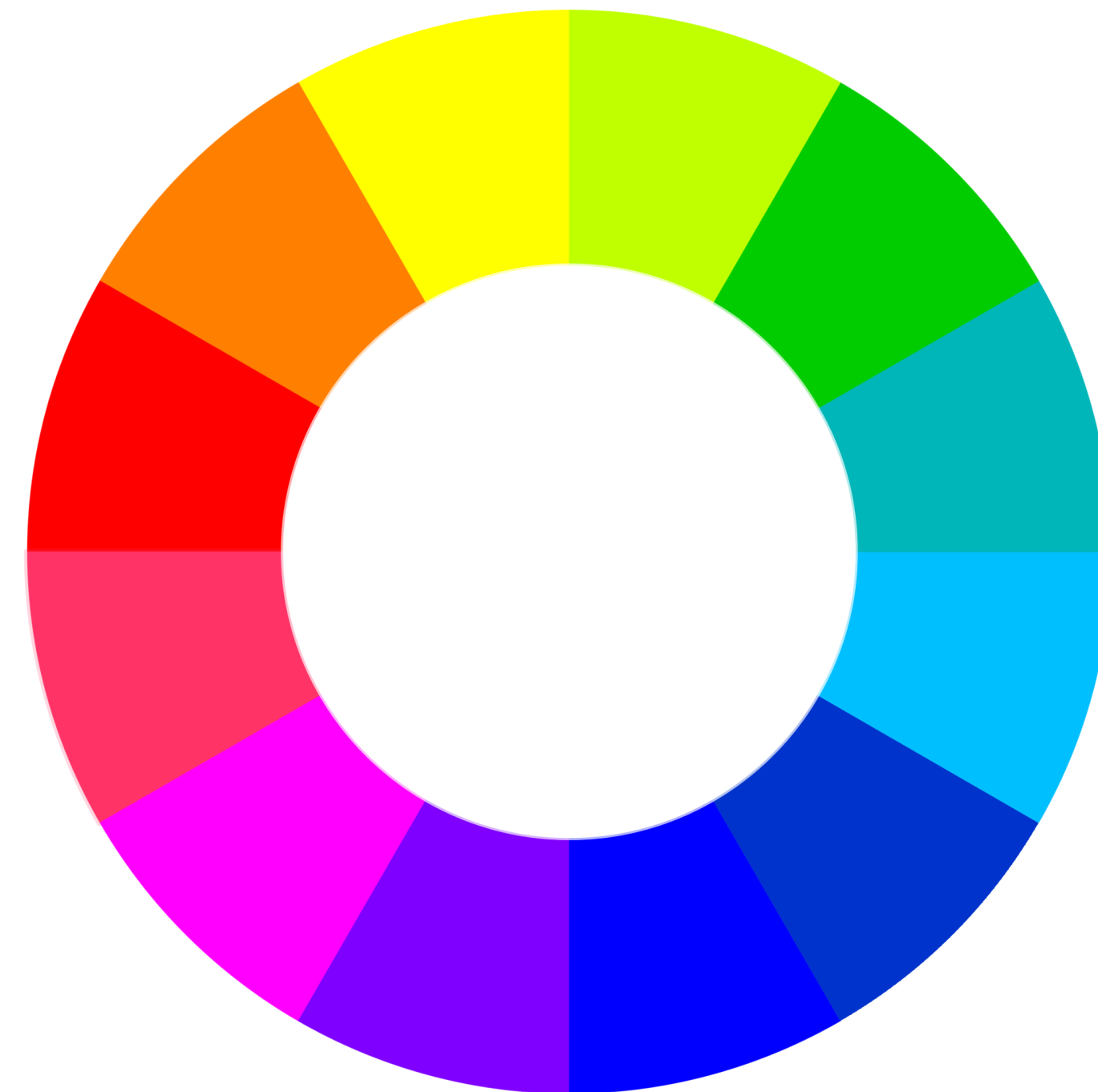
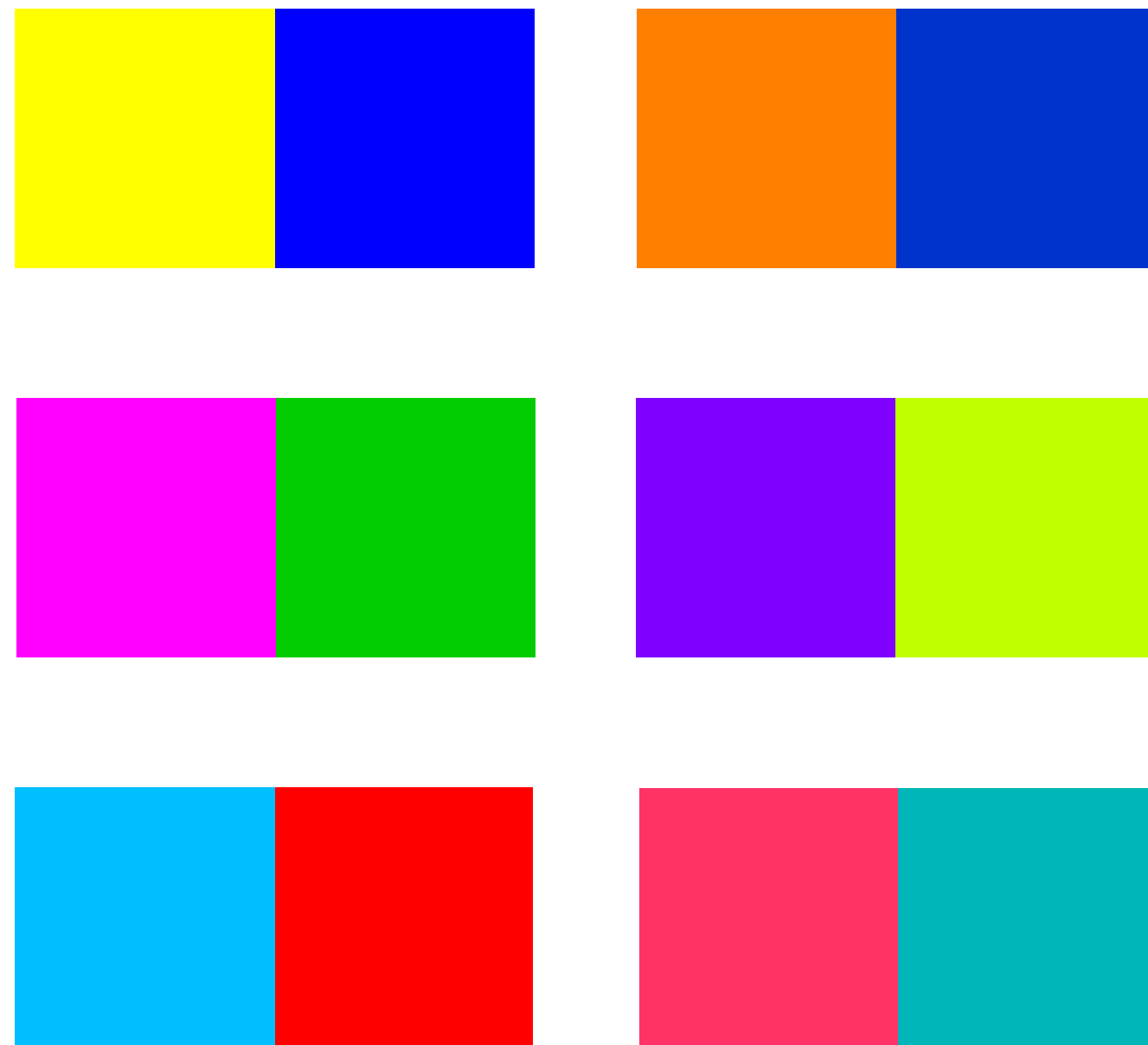
Colores Complementarios



**Complementary colours are the ones which are on opposite sides of the colour wheel.**

# Complementary Colour Pairs

Parejas de colores complementarios



# Complementary Colours

Colores Complementarios

