

Architectural graphics

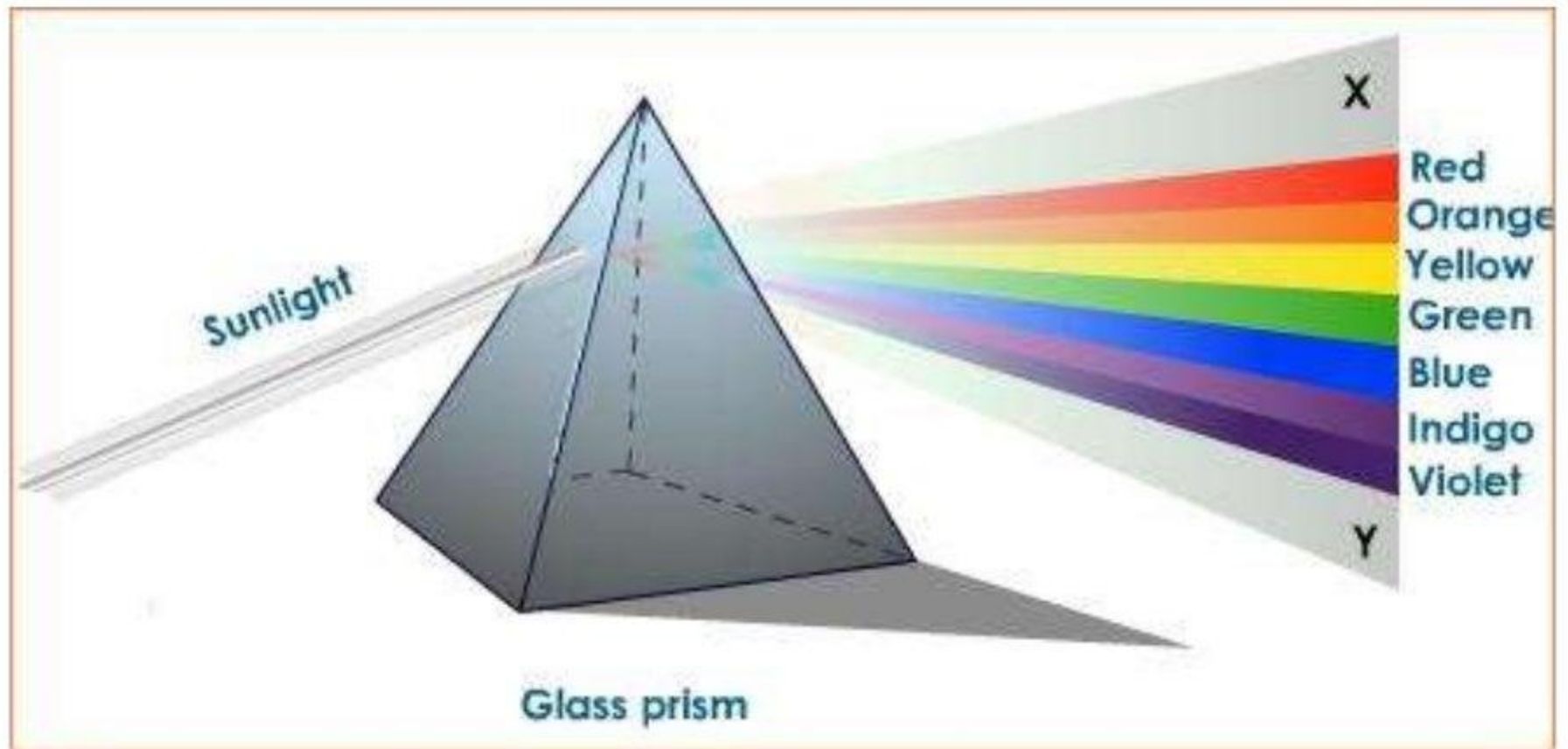
Prepared by :

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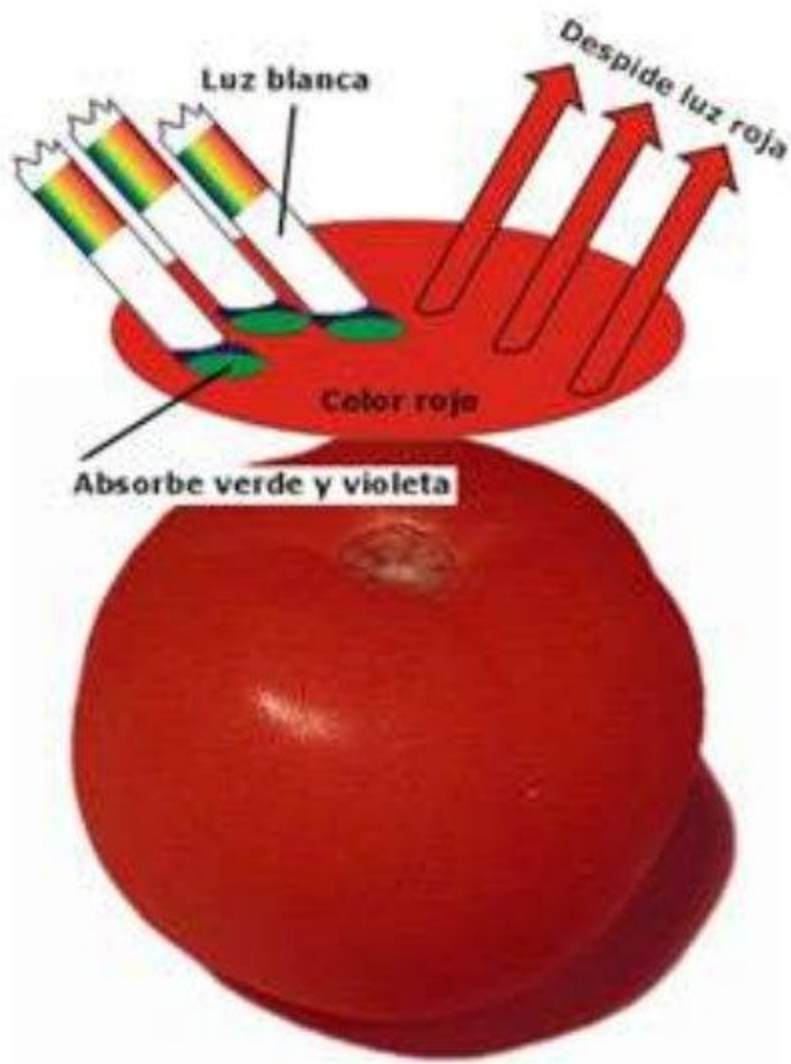
Daffodil Institute of IT,Ctg

PYSICAL THEORIE OF COLOUR

Color originates in light. Sunlight, as we perceive it, is colorless. In reality, a rainbow is testimony to the fact that all the colors of the spectrum are present in white light.



How the Eye Sees Colour

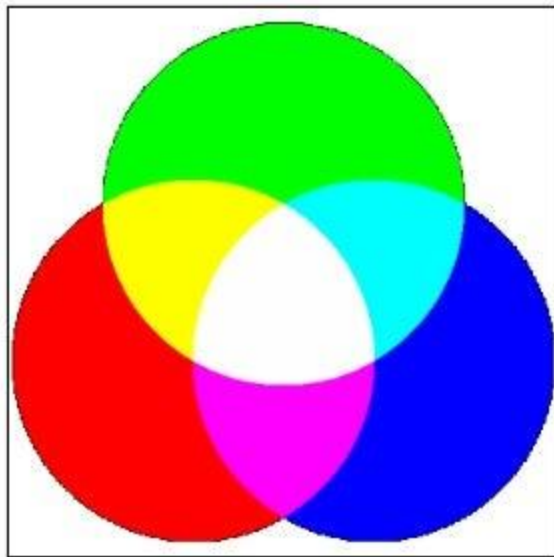


"Color is the visual effect that is caused by the spectral composition of the light emitted, transmitted, or reflected by objects."

1. All the "invisible" colors of sunlight shine on the apple.
2. The surface of a red apple absorbs all the colored light rays, except for those corresponding to red, and reflects this color to the human eye.
3. The eye receives the reflected red light and sends a message to the brain.

Additive and subtractive Color System

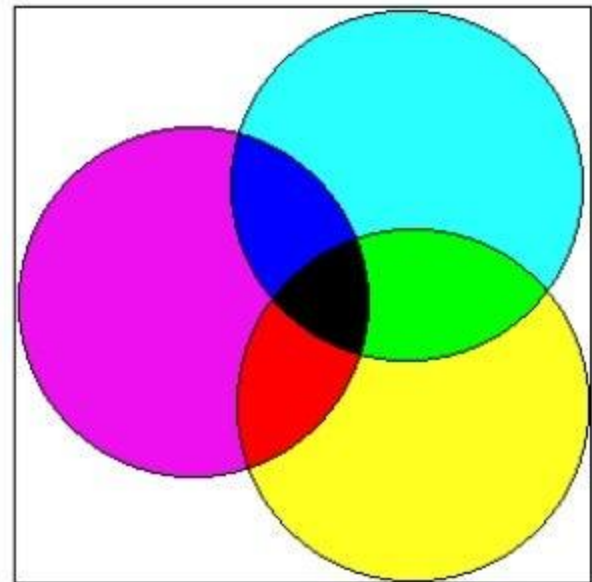
- Additive colour system



Mixture of primary light colours-
White

This color model is used in computer monitors, television sets, and theater.

- Subtractive Color System

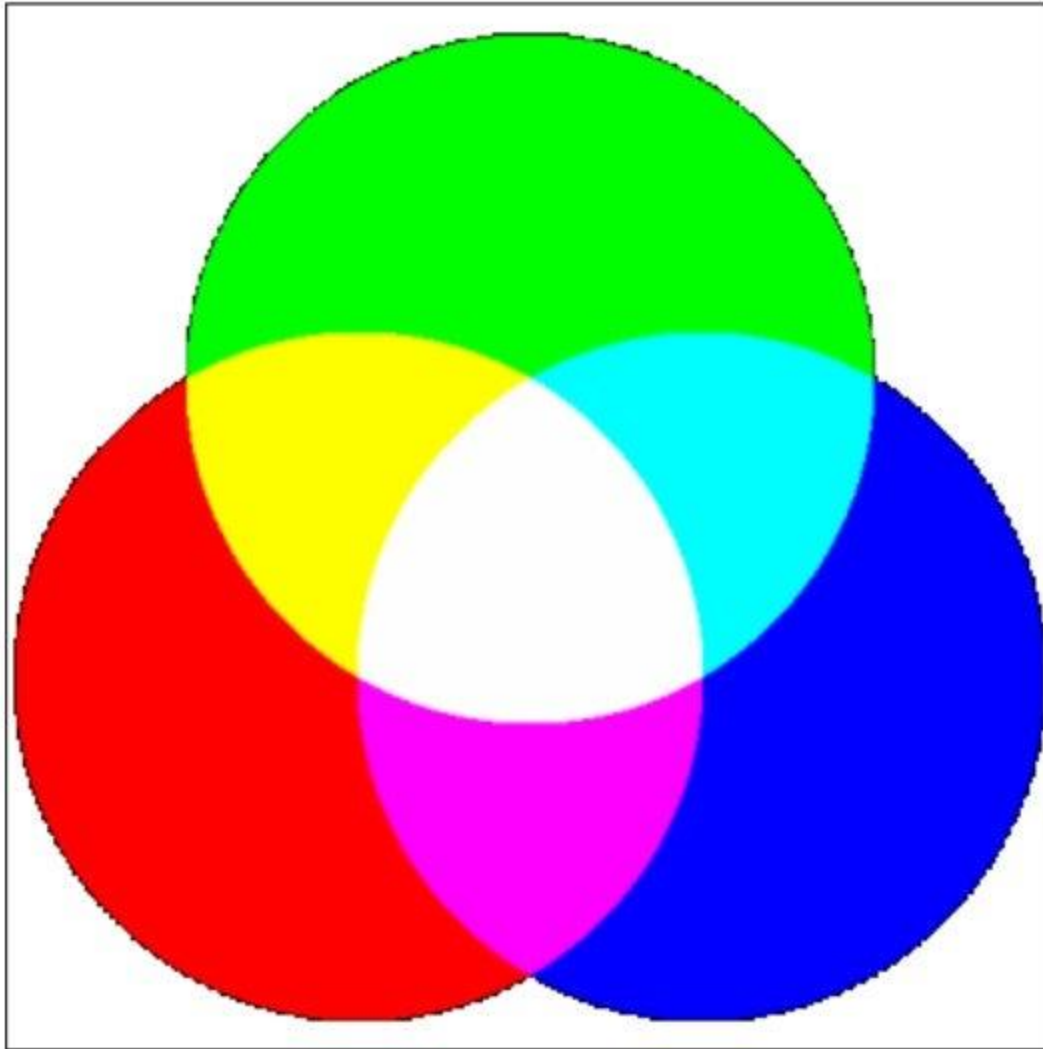


Mixture of primary pigment colours
Black

This color model is used in the print industry

Additive Color System

Red - Green - Blue (RGB)



- The **light primaries colours** are **red, green** and **blue**.
- We call these colours primary because we cannot get them from other coloured lights.
- We get **secondary colours** when we mix two primary colours.
- We light white light when we combine all these colours of light.

Blue+Green= Cyan
Blue+red= Magenta
Green+red= Yellow

} **Primary
colours
Subtractive
Color
System**