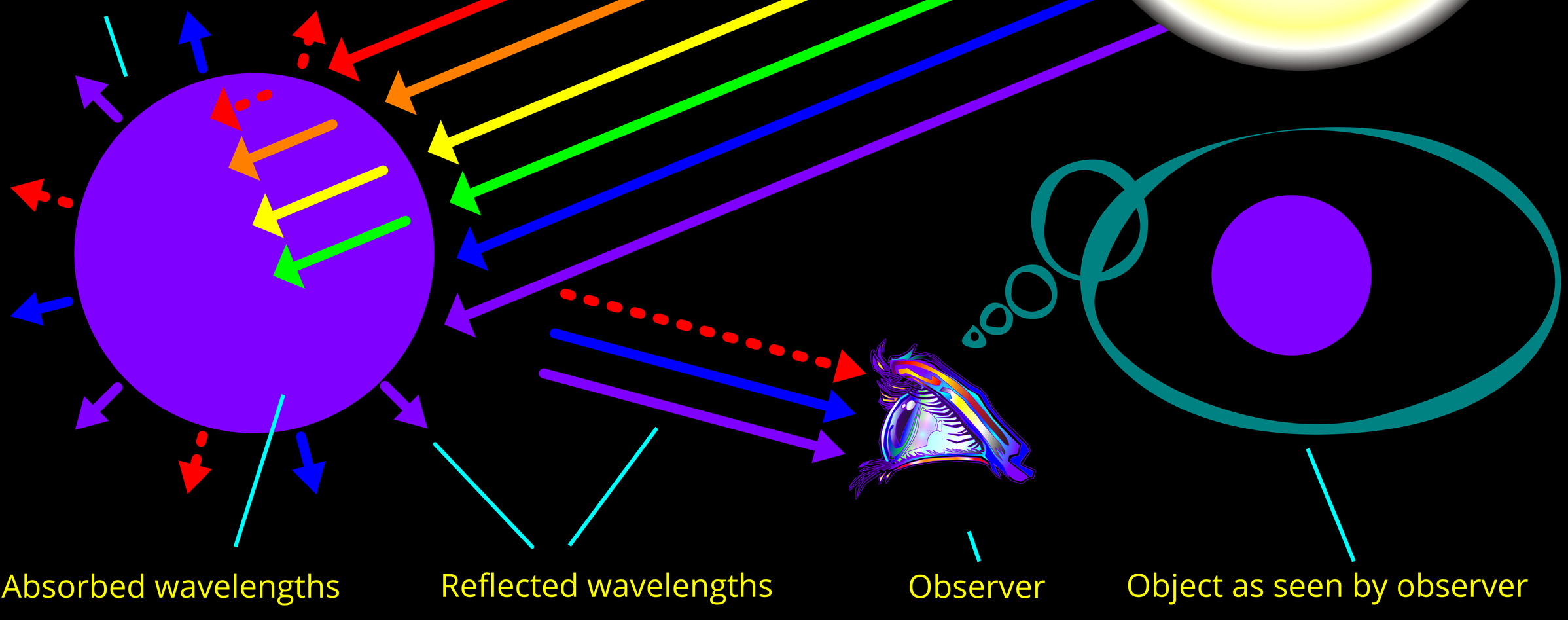
WHY AN OBJECT APPEARS VIOLET

An object that appears Violet to an observer:

1. Absorbs wavelengths = R(50%), O, Y, G
2. Reflects wavelengths = R(50%) + B and/or V

ROYGBV
Wavelengths

Violet coloured ball



Absorbed wavelengths

Reflected wavelengths

Observer

Object as seen by observer