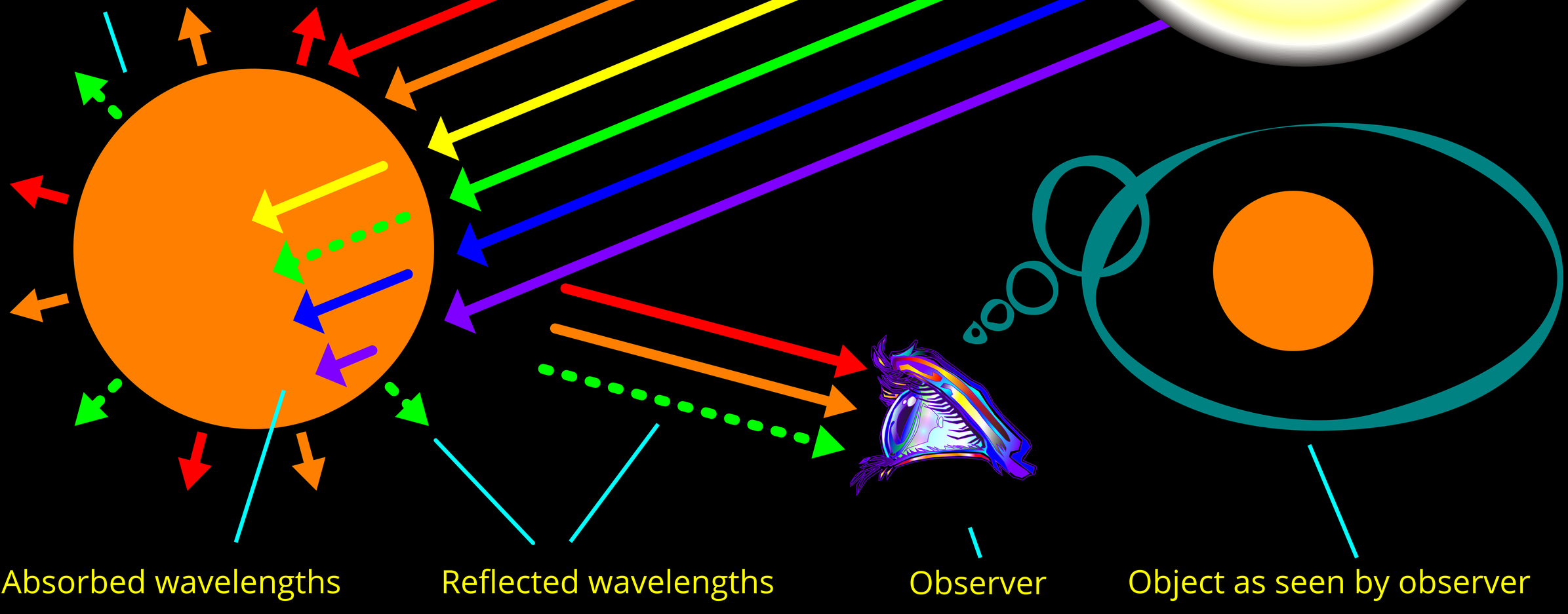
WHY AN OBJECT APPEARS ORANGE

ROYGBV
Wavelengths

An object that appears Orange to an observer:

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

Orange coloured ball



Absorbed wavelengths

Reflected wavelengths

Observer

Object as seen by observer