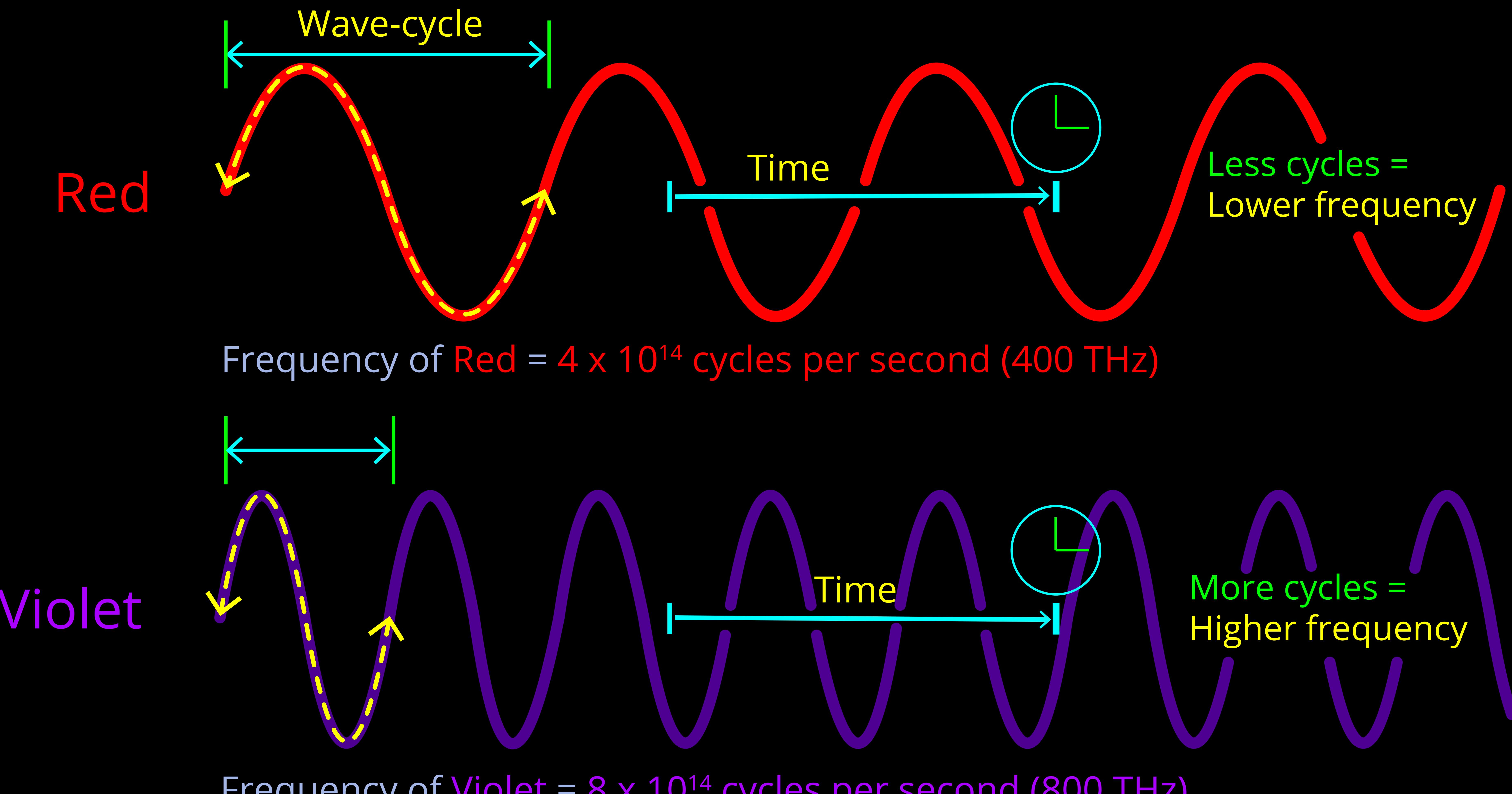
## COMPARING FREQUENCIES OF RED & VIOLET



Frequency of Violet =  $8 \times 10^{14}$  cycles per second (800 THz)

What are hertz?

1 Hertz (Hz) = 1 cycle per second

1 Kilohertz (kHz) = 1,000 (thousand) cycles per second

1 Megahertz (MHz) = 1,000,000 (million) cycles per second

1 Gigahertz (GHz) = 1,000,000,000 (billion) cycles per second

1 Terahertz (THz) = 1,000,000,000,000 (trillion )cycles per second