SPECTRAL COLOUR & THE RGB COLOUR MODEL

Red
660 nm

Orange
605 nm

Yellow
580 nm

Green
525 nm

Blue
460 nm

Violet
450 nm

Spectral + RGB primary colour

All spectral colours
and the three RGB primary colours
are produced by single wavelengths of light

Spectral + RGB primary colour

Spectral + RGB primary colour

Spectral colour

Spectral colour

Orange, yellow and violet are
spectral colours
but can also be produced from mixtures of
RGB primary colours

Spectral colour

R (100%) + G (50%) = Orange

R (100%) + G (100%) = Yellow

R (50%) + B (100%) = Violet

ROYGBV are spectral colours. Each spectral colour is produced by a single wavelength of light.
Red, green and blue are the three spectral colours used as primary colours in the RGB colour model.
The RGB colour model mixes R, G and B in different proportions to produce a wide range of other colours.