

eciRGB_v2 specifications

Attribute	eciRGB_v2
standard	ISO 22028-x (not yet specified)
colour space type	colorimetric: RGB colour space
colour gamut	Extended Color Space
RGB primaries	R: $x = 0.67, y = 0.33$ G: $x = 0.21, y = 0.71$ B: $x = 0.14, y = 0.08$
colour component transfer function	$C = 0.1107 \times C$ for $C < 0.08$ $C = (0.8621 \times C + 0.1379)^3$ for $C \geq 0.08$
luma-chroma matrix	N/A
colour space white point luminance	142 cd/ m ²
colour space white point chromaticity	$x = 0.345, y = 0.358$ (D ₅₀)
colour space value range	linear RGB: 0.0 to 1.0
digital code value range	0 to 255 (8-bit) 0 to 65,535 (16 bit)
image state	output-referred (LCD)
image surround	32 cd/m ²
adapted white point luminance ^a	142 cd/ m ²
adapted white point chromaticity ^a	D ₅₀
luminance of adapting field	32 cd/m ²
viewing flare (typical viewing conditions)	The level of illumination, when viewing a black screen, shall be less than 5 % of that obtained when viewing a white screen as measured at the plane of the observer.
valid relative luminance range (excluding viewing flare and veiling glare)	0.0 to 1.0
reference medium white point luminance	142 cd/ m ²
reference medium white point chromaticity	D ₅₀
reference medium black point luminance	0.5 cd/ m ² Corresponding to reference display black point
reference medium black point chromaticity	D ₅₀