

IECsRGB lightness L^* normalized to the background lightness L^*_B

$$L^* = r (Y/Y_u)^n - t \quad (Y_u=18, r=s(Y_u/Y_u)^n = 48,95) \quad [1c]$$

$$L^*/L_u^* = (Y/Y_u)^n \quad [1d]$$

$$\log (L^*/L_u^*) = n \log (Y/Y_u) \quad [1e]$$

$$1 + \ln(L^*/L_u^*) = \ln(10) \ln(Y/Y_u) \quad [1f]$$

$$L^*/L^*_u = e^{\ln(10) n \log(Y/Y_u)} \quad [1g]$$

