

$\log(L^*/L^*_u)$

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

L^*/L^*_u

2 **100** $L^* = s(Y/Y_u)^n - d$ ($Y_n=100, Y_u=18, s=100, 0, n=1/2, 4, d=0, 0$) [1a]

$L^* = r(Y/Y_u)^n - d$ ($r = s(Y_u/Y_n)^n = 48,94, L^*_u = r - d = 48,9$) [1b]

$L^*/L^*_u = (Y/Y_u)^n$ [1c]

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

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

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

