

L^*/L_u^*

CIELAB lightness L^* normalized
to the background lightness L_u^*

$$L^* = s (Y/Y_n)^n - t \quad (Y_n=100, s=116, n=(1/3), t=16) \quad [1b]$$

$$L^* = r (Y/Y_u)^n - t \quad (Y_u=18, r=s(Y_u/Y_n)^n = XX, X1) \quad [1c]$$

