

$\log(L^*)$

LABJND lightness $\log(0,1L^*_{85})$
CIELAB lightness $\log(L^*)$

LABJND and CIELAB lightness

$$L^*_{85} = (t/a) \ln [1 + b(Y/Y_u)]$$

$$a=0,3411 \quad t=88,23 \quad t/a=258,6 \quad b=a \cdot Y_u=6,14$$

$$L^* = 116 (Y/Y_n)^{1/3} - 16 \quad (Y_n=100, 1 \leq Y \leq 100)$$

$$L^*_{85,u}=508, Y_u=18$$

$$\log(L^*_{85,u})=1,70, m_u=0,43$$

