

$\log(L^*_{23}/L^*_{23,u})$

normierte TUBJ23-Helligkeit
 $\log(L^*_{23} / L^*_{23,u})$

L^*/L^*_u

normierte CIELAB-Helligkeit
 $\log(L^*/L^*_u)$

TUBJ23 und CIELAB-Helligkeit

$$L^*_{23} = \frac{[1 + A_2 Y]^{(A_3 + 1)}}{A_1 A_2 (A_3 + 1)} = \frac{[1 + A_{2u} (Y/Y_u)]^{(A_3 + 1)}}{A_1 A_{2u} (A_3 + 1)}$$

$A_1 = 0,0251, A_2 = 0,1566, A_3 = 1,1070, Y_u = 18$

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

$L^*_{23,u} = 2032, Y_u = 18$

$\log[(L^*_{23})/(L^*_{23,u})] = 0, m_u = 1,57$

Anwendungsbereich

