

$\log(l^*)$

CIELABu0-Normhelligkeit l^*

$Y_{nc} = Y_{W\text{RGB}nc} = 100, 21, 72, 7$

l^*
4 10000

$l^*_{\text{CIELABu0}} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$l^*_N(3,6) = 23, l^*_u(18) = 50, l^*_W(90) = 97$

3 1000

2 100

$\log[l^*/l^*_u] = 0, m_u = 0,43$

$L^*_u = 49, l^*_u = 50$

Anwendungsbereich

1 0,1 1 10 100 Y
-2 -1 0 $Y_N = 3,6$ 1 $Y_u = 18$ $Y_W = 90$ 2 $\log(Y)$