

l^*

CIELABu3-Normhelligkeit l^*

$$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$$

l^*
4
3
2
1

10000

$$l^*_{CIELABu3} = 50(Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{N(3,6)} = 23, l^*_u(18) = 50, l^*_{W(90)} = 111$$

$$l^*_{90} = 110,83, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$$

$$l^*_{18} = 50,00, S_u = 49,21, D_u = 0,78$$

$$l^*_{3,6} = 22,74, l^*_u = 50,00, Y_u = 18$$

$$\log[l^*/l^*_u] = 0, m_u = 0,49$$

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

Anwendungsbereich

100
10
1

0,1

1

10

100

$Y_u = 18$

100

Y

-2

-1

0

$Y_N = 3,6$

1

10

$Y_W = 90$

2

$\log(Y)$