

L^* CIELABn2-Normhelligkeit L^*

$$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$$

 L^*

4 10000

$$L^*_{CIELABn2} = 109(Y/Y_n)^{1/2,5} - 9 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{N(3,6)} = 20, L^*_u(18) = 46, L^*_{W(90)} = 96$$

3 1000

$$L^*_{90} = 95,52, \gamma = 2,5, 1/\gamma = 1/2,5 = 0,40$$

$$L^*_{18} = 46,18, S_n = 108,42, D_n = -8,42$$

$$L^*_{3,6} = 20,19, L^*_n = 46,18, Y_n = 18$$

2 100

$$\log[L^*/L^*_u] = 0, m_u = 0,47$$

$$L^*_u = 49, L^*_u = 46$$

Anwendungsbereich

1

0,1

-1

1

0

10

1

100

2

 $Y_u = 18$ $Y_w = 90$

100

 Y $\log(Y)$