

L^* CIELABu4-Normhelligkeit L^* $Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$ L^*

4 10000

 $L^*_{CIELABu4} = 37(Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_{N(3,6)} = 26, L^*_u(18) = 50, L^*_W(90) = 121$

3 1000

 $L^*_{90} = 121,15, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$ $L^*_{18} = 50,00, S_u = 36,98, D_u = 13,01$ $L^*_{3,6} = 25,63, L^*_u = 50,00, Y_u = 18$

2 100

 $\log[L^*/L^*_u] = 0, m_u = 0,49$ $L^*_u = 49, L^*_u = 50$

Anwendungsbereich

1

0,1

1

10

100

 $Y_u = 18$

100

 Y

-2

-1

0

 $Y_N = 3,6$

1

10

100

 $Y_W = 90$

2

 $\log(Y)$