

L^*/L_u^* CIELABn3 relative Normhelligkeit L^*/L_n^* $Y_{nc}=L^*_w\text{RGB}_{nc}=100, 52, 87, 31$ L^*/L_u^*

2 100

 $L^*_{\text{CIELABn3}}=100(Y/Y_n)^{1/2,0}+1 \quad (Y_n=100, Y_{nc}/100<Y\leq Y_{nc})$ $L^*_N(3,6)=20, L^*_u(18)=43, L^*_W(90)=95$

1 10

 $L^*_{90}/L^*_u=2,21, \gamma=2,0, 1/\gamma=1/2,0=0,50$ $L^*_{18}/L^*_u=1,00, S_n=99,21, D_n=0,78$ $L^*_{3,6}/L^*_u=0,45, L^*_n=42,87, Y_n=18$

0 1

 $\log[L^*/L_u^*]=0, m_u=0,49$ $L^*_u=49, L^*_u=43$

Anwendungsbereich

0,1

1

10

 $Y_u=18$

100

 Y $Y_N=3,6$

1

 $Y_W=90$

2

 $\log(Y)$