

L^*/L_u^* CIELABn3 relative standard lightness L^*/L_n^* $Y_{nc}=L^*_{wRGBnc}=100, 52, 87, 31$ L^*/L_u^*

2 100

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

1 10

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

0 1

 $\log[L^*/L_u^*]=0, m_u=0,49$ $L^*_{u(18)}=49, L^*_{u(18)}=43$

application range

