

L^*/L_u^* CIELABn4 relative standard lightness L^*/L_n^* $Y_{nc}=L^*_{wRGBnc}=100, 52, 87, 31$ L^*/L_u^*

2 100

 $L^*_{CIELABn4}=87(Y/Y_n)^{1/1,5}+13 \quad (Y_n=100, Y_{nc}/100<Y\leq Y_{nc})$ $L^*_N(3,6)=22, L^*_u(18)=41, L^*_W(90)=94$

1 10

 $L^*_{90}/L^*_u=2,30, \gamma=1,5, 1/\gamma=1/1,5=0,66$ $L^*_{18}/L^*_u=1,00, S_n=86,98, D_n=13,01$ $L^*_{3,6}/L^*_u=0,55, L^*_n=40,74, Y_n=18$

0 1

 $\log[L^*/L_u^*]=0, m_u=0,45$ $L^*_u=49, L^*_u=41$ application
range

0,1

1

10

1

 $Y_u=18$

100

2

 Y $Y_N=3,6$

1

 $Y_W=90$

2

 $\log(Y)$