

L^*/L_u^* CIE LABu2 relative standard lightness L^*/L_u^* $Y_{nc}=L^*_wRGB_{nc}=100, 52, 87, 31$ L^*/L_u^*

2 100

 $L^*_{CIE LABu2}=59(Y/Y_u)^{1/2,5}-9 \quad (Y_u=18, Y_{nc}/100<Y\leq Y_{nc})$ $L^*_N(3,6)=22, L^*_u(18)=50, L^*_w(90)=103$

1 10

 $L^*_{90}/L_u^*=2,05, \gamma=2,5, 1/\gamma=1/2,5=0,40$ $L^*_{18}/L_u^*=1,00, S_n=58,42, D_n=-8,42$ $L^*_{3,6}/L_u^*=0,44, L^*_u=50,00, Y_u=18$

0 1

 $\log[L^*/L_u^*]=0, m_u=0,46$ $L^*_u=49, L^*_u=50$ application
range

0,1

-1

0

10

1

100

2

 $Y_u=18$ $Y_w=90$ Y $\log(Y)$