

l^* CIELABu2 standard lightness l^* $Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$ l^*

4 10000

 $l^*_{CIELABu2}=59(Y/Y_u)^{1/2,5}-9 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{N(3,6)}=22, l^*_u(18)=50, l^*_{W(90)}=103$

3 1000

 $l^*_{90}=102,79, \gamma=2,5, 1/\gamma=1/2,5=0,40$ $l^*_{18}=50,00, S_u=58,42, D_u=-8,42$ $l^*_{3,6}=22,19, l^*_u=50,00, Y_u=18$

2 100

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

1

0,1

1

10

100

 $Y_u=18$ Y

-2

-1

0

 $Y_N=3,6$

1

 $Y_W=90$

2

 $\log(Y)$