

l^* CIELABu1 standard lightness l^* $Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$ l^*

150

 $l^*_{CIELABu1}=66(Y/Y_u)^{1/3,0}-16 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{N(3,6)}=23, l^*_u(18)=50, l^*_W(90)=97$

100

 $l^*_{90}=96,50, \gamma=3,0, 1/\gamma=1/3,0=0,33$ $l^*_{18}=50,00, S_n=65,49, D_n=-15,49$ $l^*_{3,6}=22,72, l^*_u=50,00, Y_u=18$ $l^*_u=50,00, m_u=50,24$ $L^*_u=49, l^*_u=50$ application
range

0,1

10

1

100

Y

log(Y)

 $Y_N=3,6$ $Y_u=18$ $Y_W=90$