

t^* CIELABn8 triangle lightness t^* $Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$ t^*

4 10000

 $t^*_{CIELABn8}=100(Y/Y_n)^{1/2,0}+1 \quad (Y_n=100, Y_{nc}/100 < Y \leq Y_{nc})$ $t^*_{N(3,6)}=20, t^*_u(18)=43, t^*_{W(90)}=95$

3 1000

 $t^*_{90}=94,90, \gamma=2,0, 1/\gamma=1/2,0=0,50$ $t^*_{18}=42,87, S_n=99,21, D_n=0,78$ $t^*_{3,6}=19,56, t^*_n=42,87, Y_n=18$

2 100

 $\log[t^*/t^*_u]=0, m_u=0,49$ $L^*_u=49, t^*_u=43$ application
range

1

0.1

1

10

 $Y_u=18$

100

 Y

-2

-1

0

 $Y_N=3,6$

1

10

 $Y_W=90$

2

 $\log(Y)$