

t^* CIELABn7 triangle lightness t^* $Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$ t^*

4 10000

 $t^*_{CIELABn7}=109(Y/Y_n)^{1/2,5}-9 \quad (Y_n=100, Y_{nc}/100 < Y \leq Y_{nc})$ $t^*_{N(3,6)}=20, t^*_u(18)=46, t^*_{W(90)}=96$

3 1000

 $t^*_{90}=95,52, \gamma=2,5, 1/\gamma=1/2,5=0,40$ $t^*_{18}=46,18, S_n=108,42, D_n=-8,42$ $t^*_{3,6}=20,19, t^*_n=46,18, Y_n=18$

2 100

 $\log[t^*/t^*_u]=0, m_u=0,47$ $L^*_u=49, t^*_u=46$

application range

1

0,1

1

10

100

 $Y_u=18$ $Y_W=90$

2

 Y

0

 $Y_N=3,6$

1

2

 $\log(Y)$