

t^*/t_u^* CIELABn9 relative triangle lightness t^*/t_n^* $Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$ t^*/t_u^*

2 100

 $t_{CIELABn9}^*=87(Y/Y_n)^{1/1,5}+13 \quad (Y_n=100, Y_{nc}/100<Y\leq Y_{nc})$ $t_{N(3,6)}^*=22, t_u^*(18)=41, t_W(90)=94$

1 10

 $t_{90}^*/t_u^*=2,30, \gamma=1,5, 1/\gamma=1/1,5=0,66$ $t_{18}^*/t_u^*=1,00, S_n=86,98, D_n=13,01$ $t_{3,6}^*/t_u^*=0,55, t_n^*=40,74, Y_n=18$

0 1

 $\log[t^*/t_u^*]=0, m_u=0,45$ $L_u^*=49, t_u^*=41$

application range

0,1

1

10

 $Y_u=18$

100

 Y $Y_N=3,6$ $Y_W=90$ $\log(Y)$