

t^*/t_u^* CIELABu9 relative triangle lightness t^*/t_u^* $Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$ t^*/t_u^*

2 100

 $t_{CIELABu9}^*=37(Y/Y_u)^{1/1,5}+13 \quad (Y_u=18, Y_{nc}/100<Y\leq Y_{nc})$ $t_{N(3,6)}^*=26, t_u^*(18)=50, t_W^*(90)=121$

1 10

 $t_{90}^*/t_u^*=2,42, \gamma=1,5, 1/\gamma=1/1,5=0,66$ $t_{18}^*/t_u^*=1,00, S_n=36,98, D_n=13,01$ $t_{3,6}^*/t_u^*=0,51, t_u^*=50,00, Y_u=18$

0 1

 $\log[t^*/t_u^*]=0, m_u=0,49$ $L_u^*=49, t_u^*=50$

application range

0,1

1

10

 $Y_u=18$

100

 Y

-1

0

 $Y_N=3,6$

1

 $Y_W=90$

2

 $\log(Y)$