

t^*/t_u^* CIELABu7 relative triangle lightness t^*/t_u^* $Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$ t^*/t_u^*

2 100

 $t_{CIELABu7}^*=59(Y/Y_u)^{1/2,5-9}$ ($Y_u=18, Y_{nc}/100 < Y \leq Y_{nc}$) $t_{N(3,6)}^*=22, t_u^*(18)=50, t_{W(90)}^*=103$

1 10

 $t_{90}^*/t_u^*=2,05, \gamma=2,5, 1/\gamma=1/2,5=0,40$ $t_{18}^*/t_u^*=1,00, S_n=58,42, D_n=-8,42$ $t_{3,6}^*/t_u^*=0,44, t_u^*=50,00, Y_u=18$

0 1

 $\log[t^*/t_u^*]=0, m_u=0,46$ $L_u^*=49, t_u^*=50$

application range

0,1

1

10

 $Y_u=18$

100

 Y $Y_N=3,6$

1

 $Y_W=90$

2

 $\log(Y)$