

t^*/t_u^* IECsRGBu8 relative triangle lightness t^*/t_u^* $Y_{nc}=Y_{W\text{RGB}nc}=100, \text{21, 72, 7}$ t^*/t_u^*

2 100

 $t_{IECsRGBu8}^*=50(Y/Y_u)^{1/1,6} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$ $t_{N(3,6)}^*=18, t_u^*(18)=50, t_{W(90)}^*=137$

1 10

 $t_{90}^*/t_u^*=2,73, \gamma=1,6, 1/\gamma=1/1,6=0,62$ $t_{18}^*/t_u^*=1,00, S_n=50,00, D_n=-0,00$ $t_{3,6}^*/t_u^*=0,36, t_u^*=50,00, Y_u=18$

0 1

 $\log[t^*/t_u^*]=0, m_u=0,62$ $L_u^*=49, t_u^*=50$

application range

-1
-20,1
-11
010
1100
2 $Y_u=18$ $Y_W=90$ Y $\log(Y)$