

t^*/t_u^* IECsRGBu9 relative triangle lightness t^*/t_u^* $Y_{nc}=Y_{W\text{RGB}nc}=100, \text{21, 72, 7}$ t^*/t_u^*

2 100

 $t_{IECsRGBu9}^*=50 (Y/Y_u)^{1/1,2} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$ $t_N^*(3,6)=13, t_u^*(18)=50, t_W^*(90)=191$

1 10

0 1 $\log[t^*/t_u^*]=0, m_u=0,83$ $L_u^*=49, t_u^*=50$

application range

0,1

1

10

100

 $Y_u=18$ Y $Y_N=3,6$

1

 $Y_W=90$

2

 $\log(Y)$