

t^*/t_u^* LABJND_{u9} relative triangle lightness t^*/t_u^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ t^*/t_u^*

2 100

 $t_{LABJNDu9}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $t_{LABJNDu9}^* = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $t_N^*(3,6)=348, t_u^*(18)=791, t_w^*(90)=1231$

1 10

0 1 $\log[t^*/t_u^*]=0, m_u=0,33$ $L_u^*=49, t_u^*=791$

application range

0,1

1

10

100

Y

-1

0

1

2

 $\log(Y)$ $x_u=1$ $x_N=0,2$ $x_w=5$