

t^* LABJNDu7 triangle lightness t^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$

t^*
 4 10000
 3 1000
 2 100
 1

$$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$t^*_N(3,6)=174, t^*_u(18)=396, t^*_W(90)=616$$

$$\log[t^*/t^*_u]=0, m_u=0,33$$

$$L^*_u=49, t^*_u=396$$

application
 range

0,1

1

10

100

Y

 $x_u=1$ $x_N=0,2$ $x_W=5$

2

 $\log(Y)$