

t^* LABJNDu8 triangle lightness t^* $Y_{nc}=Y_{wRGBnc}=100, \text{red } 21, \text{green } 72, \text{blue } 7$

t^*
 4
 10000

$$t^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$t^*_N(3,6)=218, t^*_u(18)=496, t^*_W(90)=772$$

3
 1000

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

$$L^*_u=49, t^*_u=496$$

2
 100

$$t^*_{90}=771,96, A_{0n}=1,5, A_{2u}=0,0699, c_x=0,67$$

$$t^*_{18}=495,86, A_{1n}=0,001, A_{2n}=0,0038$$

$$t^*_{3,6}=218,08, t^*_u=495,86, Y_u=18$$

application
 range

1
 -2

0,1

1

10

100

Y

-2

-1

0

1

2

$\log(Y)$