

t^* LABJNDu8 triangle lightness t^*

$$Y_{nc} = Y_{wRGBnc} = 100, \text{ 21, 72, 7}$$

 t^*
 4 10000

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

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

$$t^*_N(3,6) = 146, t^*_u(18) = 332, t^*_W(90) = 517$$

 3 1000
 2 100

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

$$L^*_u = 49, t^*_u = 332$$

 application
 range

0,1

1

10

 $x_u = 1$

100

Y

 -2 -1 0 1 2 $\log(Y)$
 $x_N = 0,2$ $x_W = 5$