

$\log(t^*)$

LABJNDu5 triangle lightness t^*

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

t^*
4
10000

$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$

$t^*_N(3,6)=219, t^*_u(18)=498, t^*_w(90)=776$

3
1000

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

$L^*_u=49, t^*_u=498$

2
100

$t^*_{90}=775,82, A_{0n}=1,0, A_{2u}=0,1044, c_x=1,00$

$t^*_{18}=498,34, A_{1n}=0,0017, A_{2n}=0,0058$

$t^*_{3,6}=219,17, t^*_u=498,34, Y_u=18$

application
range

1
-2
-1
0
1
10
100
 $x_N=0,2$
 $x_u=1$
 $x_w=5$
 Y
 $\log(Y)$