

$\log(t^*)$

CIELABn5 triangle lightness t^*

$Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$

4
10000

$t^*_{CIELABn5}=116(Y/Y_n)^{1/3,0}-16 \quad (Y_n=100, Y_{nc}/100 < Y \leq Y_{nc})$

$t^*_{N(3,6)}=23, t^*_u(18)=50, t^*_{W(90)}=96$

3
1000

$t^*_{90}=96,01, \gamma=3,0, 1/\gamma=1/3,0=0,33$

$t^*_{18}=49,71, S_n=115,49, D_n=-15,49$

$t^*_{3,6}=22,55, t^*_n=49,71, Y_n=18$

2
100

$\log[t^*/t^*_u]=0, m_u=0,43$

$L^*_u=49, t^*_u=50$

application
range

1
-2 -1 0 1 2
0,1 1 10 100
 $Y_N=3,6$ 1 $Y_u=18$ $Y_W=90$ 2
 $\log(Y)$