

$\log(t^*/t_u^*)$

CIELABn5 relative triangle lightness t^*/t_n^*

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

t^*/t_u^*

2 100

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

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

1 10

$t^*_{90}/t^*_u=1,93, \gamma=3,0, 1/\gamma=1/3,0=0,33$

$t^*_{18}/t^*_u=1,00, S_n=115,49, D_n=-15,49$

$t^*_{3,6}/t^*_u=0,45, t^*_n=49,71, Y_n=18$

0 1

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

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

application range

-1

0,1

1

10

100

$Y_u=18$ 100 Y

-2

-1

0

$Y_N=3,6$ 1

$Y_W=90$ 2

$\log(Y)$