

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

LABJNDu5 relative triangle lightness  $t^*/t_u^*$

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

$t^*/t_u^*$

2 100

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

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

$t_N^*(3,6)=146, t_u^*(18)=332, t_w^*(90)=517$

1 10

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

$L_u^*=49, t_u^*=332$

application range

0,1

1

10

100

Y

-1

0

1

2

$\log(Y)$