

$\log(t^*)$

IECsRGBu5 triangle lightness t^*

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

t^*

4 10000

$t^*_{IECsRGBu5} = 50 (Y/Y_u)^{1/2,4} (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$t^*_{N(3,6)} = 26, t^*_{u(18)} = 50, t^*_{W(90)} = 98$

3 1000

$t^*_{90} = 97,77, \gamma = 2,4, 1/\gamma = 1/2,4 = 0,41$

$t^*_{18} = 50,00, S_n = 50,00, D_n = -0,00$

$t^*_{3,6} = 25,51, t^*_u = 50,00, Y_u = 18$

2 100

$\log[t^*/t^*_u] = 0, m_u = 0,41$

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

application
range

1

-2

-1

0

10

1

100

2

$Y_u = 18$

$Y_W = 90$

Y

$\log(Y)$