

$\log(T^*)$

CIELABn5 triangle lightness T^*

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

T^*

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