

$\log(T^*)$

CIELABu5 triangle lightness T^*

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

T^*
4
10000

$$T^*_{CIELABu5} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{N(3,6)} = 23, T^*_u(18) = 50, T^*_{W(90)} = 97$$

3
1000

2
100

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

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

application
range

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