

$\log(t^*)$

CIELABu5 triangle lightness  $t^*$

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

4 10000

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

$t^*_N(3,6) = 23, t^*_u(18) = 50, t^*_W(90) = 97$

3 1000

2 100

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

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

application  
range

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