

$\log(l^*)$

CIELABu0 standard lightness l^*

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

4
10000

$$l^*_{CIELABu0} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

3
1000

2
100

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

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

application
range

