

$\log(l^*)$

IECsRGBu0 standard lightness l^*

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

l^*
4 10000

$$l^*_{IECsRGBu0} = 50 (Y/Y_u)^{1/2,4} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_N(3,6) = 26, l^*_u(18) = 50, l^*_W(90) = 98$$

3 1000

2 100

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

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

application
range

