

$\log(l^*)$

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

$$l^*_{90} = 97,77, \gamma = 2,4, 1/\gamma = 1/2,4 = 0,41$$

$$l^*_{18} = 50,00, S_n = 50,00, D_n = -0,00$$

$$l^*_{3,6} = 25,51, l^*_u = 50,00, Y_u = 18$$

2 100

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

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

application
range

