

$\log(l^*/l_u^*)$

CIELABu0 relative standard lightness l^*/l_u^*

$$Y_{nc} = Y_W \mathbf{RGB}_{nc} = 100, \mathbf{21, 72, 7}$$

l^*/l_u^*

2 100

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

$$l_{N(3,6)}^* = 23, l_u^*(18) = 50, l_{W(90)}^* = 97$$

1 10

$$l_{90}^*/l_u^* = 1,93, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$$

$$l_{18}^*/l_u^* = 1,00, S_n = 65,49, D_n = -15,49$$

$$l_{3,6}^*/l_u^* = 0,45, l_u^* = 50,00, Y_u = 18$$

0 1

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

$$L_u^* = 49, l_u^* = 50$$

application
range

