

L^*/L_u^*

 CIE LABu1 relative standard lightness L^*/L_u^*
 $Y_{nc} = L^*_w \text{RGB}_{nc} = 100, \text{52, 87, 31}$
 L^*/L_u^*

3

 $L^*_{\text{CIE LABu1}} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$
 $L^*_N(3,6) = 23, L^*_u(18) = 50, L^*_w(90) = 97$

2

 $L^*_{90}/L_u^* = 1,93, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$
 $L^*_{18}/L_u^* = 1,00, S_n = 65,49, D_n = -15,49$
 $L^*_{3,6}/L_u^* = 0,45, L_u^* = 50,00, Y_u = 18$

1

 application
range

 $L^*/L_u^* = 1, m_u = -0,25$

10

 $Y_u = 18$

100

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

0

 $Y_N = 3,6$

1

 $Y_w = 90$

2

 $\log(Y)$