

L^*/L_u^* LABJNDu1 relative standard lightness L^*/L_u^* $Y_{nc}=L^*_wRGB_{nc}=100, 52, 87, 31$ L^*/L_u^*

3

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$L^*_N(3,6) = 219, L^*_u(18) = 498, L^*_w(90) = 776$$

2

$$L^*_{90}/L^*_u = 1,55, A_{0n} = 1,0, A_{2u} = 0,1044, c_x = 1,00$$

$$L^*_{18}/L^*_u = 1,00, A_{1n} = 0,017, A_{2n} = 0,0058$$

$$L^*_{3,6}/L^*_u = 0,43, L^*_u = 498,34, Y_u = 18$$

1

$$L^*/L_u^* = 1, m_u = 0,79$$

$$L^*_u = 49, L^*_u = 498$$

application
range

0,1

1

10

100 Y

-

-1

0

 $x_N = 0,2$

1

 $x_W = 5$

2

 $\log(Y)$