

l^*/l_u^* LABJNDu2 relative standard lightness l^*/l_u^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ l^*/l_u^*

2 100

$$l_{LABJNDu2}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l_{LABJNDu2}^* = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$$

$$l_N^*(3,6)=174, l_u^*(18)=396, l_w^*(90)=616$$

1 10

0 1

$$\log[l^*/l_u^*] = 0, m_u = 0,33$$

$$L_u^* = 49, l_u^* = 396$$

application
range

0,1

1

10

100

Y

-1
-2

-1

0

1

2

log(Y)

 $x_u = 1$ $x_N = 0,2$ $x_w = 5$