

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

l^*

4 10000

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

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

$$l^*_N(3,6)=174, l^*_u(18)=396, l^*_W(90)=616$$

3 1000

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

$$L^*_u = 49, l^*_u = 396$$

2 100

1

0,1

1

10

$x_u = 1$

100

Y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$

application range