

l^* LABJNDu4 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ l^*
4 10000

$$l^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$$

$$l^*_N(3,6)=348, l^*_u(18)=791, l^*_W(90)=1231$$

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

$$L^*_u=49, l^*_u=791$$

2 100

1

0,1

-1

 $x_N=0,2$

10

1

 $x_u=1$ $x_W=5$

100

2

 Y $\log(Y)$ application
range