

l^* LABJNDu3 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, \text{red } 21, \text{green } 72, \text{blue } 7$ l^*
4 10000 $l^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $l^*_N(3,6)=327, l^*_u(18)=744, l^*_W(90)=1158$ $3 \cdot 10 \log[l^*/l^*_u] = 0, m_u = 0,33$ $L^*_u = 49, l^*_u = 744$

2 100

 $l^*_{90}=1157,95, A_{0n}=1, A_{2u}=0,0699, c_x=0,67$ $l^*_{18}=743,79, A_{1n}=0,0011, A_{2n}=0,0038$ $l^*_{3,6}=327,12, l^*_u=743,79, Y_u=18$ application
range

1

0,1

1

10

 $x_u=1$

100

 Y

-2

-1

0

 $x_N=0,2$

1

 $x_W=5$

2

 $\log(Y)$