

l^* LABJNDu2 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, \text{red } 21, \text{green } 72, \text{blue } 7$ l^*

4 10000

 $l^*_{LABJNDu2} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{LABJNDu2} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $l^*_N(3,6)=391, l^*_u(18)=890, l^*_W(90)=1385$ $\log[l^*/l^*_u]=0, m_u=0,33$ $L^*_u=49, l^*_u=890$

2 100

 $l^*_{90}=1385,40, A_{0n}=0,666, A_{2u}=0,0876, c_x=0,84$ $l^*_{18}=889,89, A_{1n}=0,014, A_{2n}=0,0048$ $l^*_{3,6}=391,38, l^*_u=889,89, Y_u=18$ application
range

1

0,1

-1

0

10

1

100

2

 Y $\log(Y)$ $x_N=0,2$ $x_u=1$ $x_W=5$