

l^* LABJNDu3 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ l^*

4 10000

 $l^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $l^*_N(3,6)=491, l^*_{18}(18)=1116, l^*_W(90)=1737$ $\log[l^*/l^*_u] = 0, m_u = 0,33$

3 1000

 $L^*_u=49, l^*_u=1116$

2 100

 $l^*_{90}=1736,93, A_{0n}=5666, A_{2u}=0,0699, c_x=0,67$ $l^*_{18}=1115,68, A_{1n}=911, A_{2n}=0,0038$ $l^*_{3,6}=490,69, l^*_u=1115,68, Y_u=18$ application
range

1

0,1

-1

 $x_N=0,2$

10

1

 $x_u=1$

100

Y

 $\log(Y)$