

L^*/L_u^* LABJNDu1 relative standard lightness L^*/L_u^* $Y_{nc}=L^*_w \text{RGB}_{nc}=100, 52, 87, 31$ L^*/L_u^*

3

 $L^*_{\text{LABJNDu1}} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_{\text{LABJNDu1}} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $L^*_N(3,6)=146, L^*_u(18)=332, L^*_w(90)=517$

2

 $L^*_{90}/L^*_u=1,55, A_{0n}=1,5, A_{2u}=0,1044, c_x=1,00$ $L^*_{18}/L^*_u=1,00, A_{1n}=0,017, A_{2n}=0,0058$ $L^*_{3,6}/L^*_u=0,43, L^*_u=332,22, Y_u=18$ $L^*/L_u^*=1, m_u=0,79$ $L^*_u=49, L^*_u=332$ application
range

0,1

1

10

100

Y

-1

0

1

2

log(Y)

 $x_N=0,2$ $x_u=1$ $x_w=5$