

L^* LABJNDu3 standard lightness L^* $Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$ L^*

4 10000

 $L^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $L^*_{N(3,6)} = 218, L^*_u(18) = 496, L^*_w(90) = 772$

3 1000

 $\log[L^*/L^*_u] = 0, m_u = 0,33$ $L^*_u = 49, L^*_u = 496$

2 100

 $L^*_{90} = 771,96, A_{0n} = 1, A_{2u} = 0,0699, c_x = 0,67$ $L^*_{18} = 495,86, A_{1n} = 0,17, A_{2n} = 0,0038$ $L^*_{3,6} = 218,08, L^*_u = 495,86, Y_u = 18$ application
range

1

0,1

-1

1

0

10

1

100

y

2

log(Y)

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