

L^* LABJNDu1 standard lightness L^*

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

 L^*

600

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$L^*_N(3,6) = 146, L^*_u(18) = 332, L^*_w(90) = 517$$

400

$$L^*_u = 332,22, m_u = 264,66$$

$$L^*_u = 49, L^*_u = 332$$

200

application
range

0,1

1

10

 $x_u = 1$

100

2

 $\log(Y)$ $x_N = 0,2$

1

 $x_w = 5$

2