

L^* LABJNDu3 standard lightness L^*

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

 L^*

4 10000

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$L^*_{N(3,6)} = 491, L^*_{u(18)} = 1116, L^*_{w(90)} = 1737$$

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

3 1000

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

2 100

$$L^*_{90} = 1736,93, A_{0n} = 0,6666, A_{2u} = 0,0699, c_x = 0,67$$

$$L^*_{18} = 1115,68, A_{1n} = 0,011, A_{2n} = 0,0038$$

$$L^*_{3,6} = 490,69, L^*_u = 1115,68, Y_u = 18$$

application
range

1

0,1

-1

1

 $x_N = 0,2$

10

1

 $x_u = 1$ $x_W = 5$

100

2

 Y $\log(Y)$