

L^*

LABJNDu1 standard lightness

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

L^*
600

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

$L^*_u = 498,34, m_u = 396,99$

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

$L^*_{N(3,6)} = 219,17, L^*_{u(18)} = 498, L^*_w(90) = 776$

400

200

$L^*_{90} = 775,82, A_{0n} = 1,0, A_{2u} = 0,1044, c_x = 1,00$

$L^*_{18} = 498,34, A_{1n} = 0,007, A_{2n} = 0,0058$

$L^*_{3,6} = 219,17, L^*_u = 498,34, Y_u = 18$

application range

0,1

1

10

100

y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$