

l^*

LABJNDu1 standard lightness

$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$

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

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

$l^*_{18} = 498,34, A_{1n} = 0,01, A_{2n} = 0,0058$

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

application range

-2

0,1

1

10

100

y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$