

log ($\Delta Y/Y$)

LABJNDu1

Normfarbwertempfindlichkeit

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

$S_r = (\Delta Y/Y)$

0 -1

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

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

$dY/Y = A_{0n}(A_{1n} + A_{2n}Y) / Y = A_{0n}(A_{1n} + A_{2u}x) / Y$

-1 -0,1

$(dY/Y)_{90} = 0,0059, A_{0n} = 1,0, A_{2u} = 0,1044, c_x = 1,00$

$(dY/Y)_{18} = 0,0067, A_{1n} = 0,017, A_{2n} = 0,0058$

$(dY/Y)_{3,6} = 0,0105, Y_u = 18, dY_u = 0,12$

-2 -0,01

$\log(dY/Y) = -2,17, m_u = -0,15$

Anwendungsbereich

$L^*_u = 498, dY_u = 0,12, dY_u/Y_u = 0,0067$

-3

0,1

1

10

100

Y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

log(Y)