

$\log(\Delta Y/Y)$

LABJNDu3

Normfarbwertempfindlichkeit

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

$S_r = (\Delta Y/Y)$

0 -1

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

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

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

-1 0,1 $(dY/Y)_{90} = 0,0061, A_{0n} = 1,5, A_{2u} = 0,0699, c_x = 0,67$

$(dY/Y)_{18} = 0,0072, A_{1n} = 0,017, A_{2n} = 0,0038$

$(dY/Y)_{3,6} = 0,0129, Y = 18, dY_u = 0,13$

-2 0,0 $\log(dY/Y) = -2,13, m_u = -0,18$

Anwendungsbereich

$L^*_u = 496, dY_u = 0,13, dY_u/Y_u = 0,0072$

-3 -2 0,1 1 10 100 $x_u = 1$ $x_N = 0,2$ $x_W = 5$ Y $\log(Y)$