

log (Y/ΔY)

LABJNDu8

Normfarbwertkontrast

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

$C_r = (Y/\Delta Y)$

4 10000

$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x)/(A_{2u}A_{0n}) \quad (x = Y/Y_u)$

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

3 1000

$T^*_u = 1116, dY_u = 0,05, Y_u/dY_u = 331$

$\log(Y/dY) = 2,52, m_u = 0,13$

2 100

$(Y/dY)_{90} = 373,87, A_{0n} = 0,6666, A_{2n} = 0,0629, x_u = 0,67$

$(Y/dY)_{18} = 331,94, A_{1n} = 0,011, A_{2n} = 0,0038$

$(Y/dY)_{3,6} = 212,76, Y_u = 18, dY_u = 0,05$

Anwendungsbereich

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