

log (Y/ΔY)

LABJNDu4

Normfarbwertkontrast

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

$C_r = (Y/\Delta Y)$

4 10000

$I^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$I^*_{LABJNDu4} = \ln(A_{1n} + A_{2u}x)/(A_{2u}A_{0n}) \quad (x = Y/Y_u)$

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

3 1000

$(Y/dY)_{90} = 397,56, A_{0n} = 1,0, A_{2u} = 0,0438, c_x = 0,42$

$I^*_u \in [1187,18; 3530,05], Y_u/dY_u = 353,12; A_{1n} = 0,0033, A_{2n} = 0,0024$

$-(Y/dY)_{3,6} = 226,27, Y_u = 18, dY_u = 2,55$

$\log(Y/dY) = 2,54, m_u = 0,13$

2 100

Anwendungsbereich

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