

log (Y/ΔY)

LABJNDu9

Normfarbwertkontrast

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

$C_r = (Y/\Delta Y)$

4 10000

$$t_{LABJNDu9}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t_{LABJNDu9}^* = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

3 1000

$$(Y/dY)_{90} = 265,04, A_{0n} = 1,5, A_{2u} = 0,0438, c_x = 0,42$$

$$(Y/dY)_{18} = 235,34, A_{1n} = 0,007, A_{2n} = 0,0024$$

$$t_{u(Y/dY)}^* = 7,91, dY_u = 0,005, Y_u/dY_u = 235,34, c_u = 0,07$$

$$\log(Y/dY) = 2,37, m_u = 0,13$$

2 100

Anwendungsbereich

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