

log (Y/ΔY)

LABJNDu8

Normfarbwertkontrast

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

$C_r = (Y/\Delta Y)$

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

$$(Y/dY)_{90} = 249,21, A_{0n} = 1,0, A_{2u} = 0,0699, c_x = 0,67$$

$$(Y/dY)_{18} = 221,29, A_{1n} = 0,011, A_{2n} = 0,0038$$

$$t^*_u = 7,44, dY_u = 0,084 Y_u, dY_u/dY_u = 221 = 0,08$$

2
100

$$\log(Y/dY) = 2,34, m_u = 0,13$$

Anwendungsbereich

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