

log (Y/ΔY)

LABJNDu3

Normfarbwertkontrast

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

$$C_r = (Y/\Delta Y)$$

4
10000

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

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

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

3
1000

$$l^*_u = 496, dY_u = 0,13, Y_u/dY_u = 138$$

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

Anwendungsbereich

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