

$\log(\Delta Y)$

CIELABn8

Normfarbwertdifferenz

$$Y_{nc} = L^* W_{RGBnc} = 100, 52, 87, 31$$

ΔY
2
100
1
10
0
1

$$T^*_{CIELABn8} = 100(Y/Y_n)^{1/2,0} + 1 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/2,0) \log[2,0(Y_u/99)] + [1 - (1/2,0)] \log(Y)$$

$$T^*_u = 43, dY_u = 4,75, dY_u/Y_u = 0,2639$$

$$\log(dY) = 4,75, m_u = 0,49$$

$$dY_{90} = 10,62, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$$

$$dY_{18} = 4,75, S_n = 99,21, D_n = 0,78$$

$$dY_{3,6} = 2,11, Y_n = 100, dY_n = 4,75$$

Anwendungsbereich

0,1 1 10 100 Y
-2 -1 0 1 2 $\log(Y)$
 $Y_N = 3,6$ $Y_W = 90$