

$\log(\Delta Y)$

CIELABn3

Normfarbwertdifferenz

$Y_{nc} = L^*_{WRGBnc} = 100, \textcolor{red}{52}, \textcolor{blue}{87}, \textcolor{violet}{31}$

$\Delta Y$

2 100

$L^*_{CIELABn3} = 100(Y/Y_n)^{1/2,0} + 1 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10

$L^*_{u} = 43, dY_u = 4,75, dY_u/Y_u = 0,2639$

0 -1

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

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

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

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

Anwendungsbereich

0,1

1

10

-1

-1

0

$Y_N = 3,6$

1

$Y_u = 18$

100

$Y_W = 90$

$\log(Y)$