

$\log [(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIELABu8 relativer
Normfarbwertkontrast

$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u$

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

2 100

$t^*_{CIELABu8} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10

$(Y/dY)_{90} / (Y/dY)_u = 2,23, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$

$(Y/dY)_{18} / (Y/dY)_u = 1,00, S_n = 49,21, D_n = 0,78$

$(Y/dY)_{3,6} / (Y/dY)_u = 0,44, Y_u = 18, dY_u = 4,06$

0 1

$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,40$

$t^*_u = 50, dY_u = 4,06, Y_u/dY_u = 4$

Anwendungsbereich

-1 0,1 1 10 100 $Y_u = 18$ 100 Y
-2 -1 0 $Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$