

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

CIELABn8 relativer
Normfarbwertkontrast

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

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

2 100

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

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

1 10

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

$(Y/dY)_{18}/(Y/dY)_u=1,00, S_n=99,21, D_n=0,78$

$(Y/dY)_{3,6}/(Y/dY)_u=0,44, Y_n=100, dY_n=4,75$

0 1

$\log[(Y/dY)/(Y/dY)_u]=0, m_u=0,50$

$t^*_u=43, dY_u=4,75, Y_u/dY_u=3$

Anwendungs-
bereich

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