

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

CIELABu7 relativer
Normfarbwertkontrast

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

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

$t^*_{CIELABu7}=59(Y/Y_u)^{1/2,5}-9$ ($Y_u=18, Y_{nc}/100<Y\leq Y_{nc}$)

$\log[(Y/dY)/(Y/dY)_u] = (1/2,5) \log(Y/Y_u)$

$(Y/dY)_{90}/(Y/dY)_u=1,90, \gamma=2,5, 1/\gamma=1/2,5=0,40$
 $(Y/dY)_{18}/(Y/dY)_u=1,00, S_n=58,42, D_n=-8,42$
 $(Y/dY)_{3,6}/(Y/dY)_u=0,52, Y_u=18, dY_u=4,27$

$\log[(Y/dY)/(Y/dY)_u]=0, m_u=6,39$

$t^*_u=50, dY_u=4,27, Y_u/dY_u=1$

Anwendungs-
bereich

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