

$\log(\Delta Y/\Delta Y_u)$

CIE-Normfarbwertdifferenz

ΔY normiert für ΔY_u

$\Delta Y/\Delta Y_u$
 $100L^* = 100(Y/Y_n)^{1/\ln(10)} \quad (Y_n=100, Y_u=18, 1 \leq Y \leq 100)$ [1d]

$dY = (2,4Y_n/100) \cdot (Y/Y_n)^{(\ln(10)-1)/\ln(10)}$ [2d]

$dY_u = \ln(10) \cdot (Y_u/Y_n)^{(\ln(10)-1)/\ln(10)}$ [3d]

$dY/dY_u = (Y/Y_u)^{(\ln(10)-1)/\ln(10)}$ [4d]

$10 \log(dY/dY_u) = \{(\ln(10)-1)/\ln(10)\} \log \cdot (Y/Y_u)$ [5d]

$Y_u=20, dY_u=0,93, (dY/Y_u)=0,046$

$\log[(dY)/(dY_u)]=0, m_u=0,56$

