

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

TUBsRGB-Normfarbwertdifferenz

$\Delta Y / \Delta Y_u$

ΔY normiert für ΔY_u

2 **100** $L^* = s(Y/Y_n)^n - d$ ($Y_n=100, Y_u=20, s=100,0, n=1/\ln(10), d=0,0$) [1a]

$L^* = r(Y/Y_u)^n - d$ ($r = s(Y_u/Y_n)^n = 47,48, L^*_u = r - d = 47,4$) [1b]

$dY = [Y_n / (n s)] (Y / Y_n)^{1-n}$ [2c]

$dY_u = [Y_n / (n s)] (Y_u / Y_n)^{1-n} = 1,0934$ [2d]

1 **10** $dY / dY_u = (Y / Y_u)^{1-n}$ [2e]

$\log(dY / dY_u) = (1-n) \log(Y / Y_u)$ [2f]

0 $m_{nu} = 1-n = 0,565$

$m_u = 0,565$

Anwendungsbereich

0,1 -0,739 10 100 $Y_u=18$

-1 -2 -1 0 1 2 $\log Y$