

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

Relative IECsRGB-

Normfarbwertdifferenz

$\Delta Y/\Delta Y_u$

2 100

$$L^*_{IECsRGB} = s(Y/Y_u)^{1/2,4} \quad (s=50, Y_u=1,4, 1/255 < Y < 7)$$

$(s=50, Y_u=18, 1/255 < Y < 100)$

Relative IECsRGB-Normfarbwertdifferenz

$$\begin{aligned} \log(dY) &= \log(2,4 (Y_u/100)) + (1 - (1/2,4)) \log(Y/Y_u) \\ &= \log(2,4(Y_u^{1/2,4}/100)) + (1 - (1/2,4)) \log(Y) \end{aligned}$$

1 10

0 1

$Y_u=18, dY_u=0,90, dY_u/Y_u=0,0480$

$\log[(dY)/(dY_u)]=0, m_u=0,58$

Anwendungs-
bereich

0,1

1

$Y_N=4$

10

$Y_u=18$

100

Y

$\log(Y)$