

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

Relative IECsRGB-

Normfarbwertdifferenz

$\Delta Y/\Delta Y_u$

2

100

$$L^*_{IECsRGB} = s(Y/Y_n)^{1/2,4} \quad (s=100, Y_n=100, 1/255 < Y \leq 100)$$

Relative IECsRGB-Normfarbwertdifferenz

1

10

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

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

-2

-1

0

1

2

$\log(Y)$