

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

Relative IECsRGBJND-
Normfarbwertdifferenz

$\Delta Y/\Delta Y_u$

2 100

$$L^*_{IECsRGBJND} = 450 (Y/Y_n)^{1/7,2}$$

Relative IECsRGBJND-Normfarbwertdifferenz

1 10

$$\begin{aligned} \log(dY) &= \log(7,2 (Y_n/100)) + (1-(1/7,2)) \log(Y/Y_n) \\ &= \log(7,2(Y_n^{1/7,2}/100)) + (1-(1/7,2)) \log(Y) \end{aligned}$$

0 1

$$Y_u=18, dY_u=0,28, dY_u/Y_u=0,0158$$

$$\log[(dY)/(dY_u)]=0, m_u=0,85$$

Anwendungs-
bereich

-1

0,1

1

$Y_N=4$ 10

$Y_u=18$ 100

Y

-2

-1

0

1

2

$\log(Y)$