

$\log(\Delta Y)$

IECsRGBu3

Normfarbwertdifferenz

$$Y_{nc} = L^* \mathbf{w}_{\mathbf{RGB}} \mathbf{B}_{nc} = 100, \mathbf{52, 87, 31}$$

$$L^*_{\text{IECsRGBu3}} = 50 (Y/Y_u)^{1/1,6} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/1,6) \log[1,6(Y_u/50)] + [1 - (1/1,6)] \log(Y)$$

ΔY

2 100

1 10

0 1

$$L^*_u = 50, dY_u = 3,20, dY_u/Y_u = 0,1777$$

$$\log(dY) = 3,20, m_u = 0,37$$

Anwendungsbereich

0,1

1

10

$Y_u = 18$

100

Y

-1

0

1

$Y_N = 3,6$

$Y_W = 90$

2

$\log(Y)$