

$\log(\Delta Y)$

IECsRGBu0

Normfarbwertdifferenz

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

$$L^*_{IECsRGBu0} = 50 (Y/Y_u)^{1/2,4} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/2,4) \log[2,4(Y_u/50)] + [1 - (1/2,4)] \log(Y)$$

2  
1  
0  
-1

$\Delta Y$

100

10

1

0,1

1

10

100

$Y_u = 18$

$Y_W = 90$

$Y_N = 3,6$

$Y_{nc} = 100$

$Y_{nc}/100 < Y \leq Y_{nc}$

$L^*_u = 50, dY_u = 4,80, dY_u/Y_u = 0,2666$

$\log(dY) = 4,80, m_u = 0,58$

Anwendungsbereich

$\log(Y)$