

$\log(\Delta Y/Y)$

CIELABu7

Normfarbwertempfindlichkeit

$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$

$S_r = (\Delta Y/Y)$

2-100

$$t^*_{CIELABu7} = 59(Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY/Y) = \log[2,5(Y_u/58)] - (1/2,5) \log(Y/Y_u)$$

$$= (1/2,5) \log[2,5(Y_u/58)] - (1/2,5) \log(Y)$$

1-10

$$\log(dY/Y) = -0,62, m_u = -0,39$$

$$t^*_u = 50, dY_u = 4,27, dY_u/Y_u = 0,2317$$

Anwendungsbereich

-1-1

0,1

1

10

$Y_u = 18$

100

Y

$Y_N = 3,6$

1

10

$Y_W = 90$

2

$\log(Y)$