

$\log (Y/\Delta Y)$ CIELAB_{n3}

Normfarbwertkontrast

$$Y_{nc} = L^* \cdot W_{RGBnc} = 100, 52, 87, 31$$

$$C_T = (Y/\Delta Y)$$

2+100

$$L^*_{\text{CIE LAB}_{03}} = 100(Y/Y_n)^{1/2,0} + 1 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\begin{aligned}\log(Y/dY) &= -\log[2,0(Y_u/99)] + (1/2,0) \log(Y/Y_u) \\ &= -(1/2,0) \log[2,0(Y_u/99)] + (1/2,0) \log(Y)\end{aligned}$$

1-10

$$L^*_{II}=43, dY_{II}=4,75, Y_{II}/dY_{II}=3$$

$\log(Y/dY)=0,57, m_{11}=0,50$

$$(Y/dY)_{q_0}=8,47, \quad \gamma=2,0, \quad 1/\gamma=1/2, 0=0,50$$

$$(Y/dY)_{18}=3,78, S_0=99,21, D_0=0,78$$

$$(Y/dY)_{3,6}=1,69, \quad \bar{Y}_0=100, \quad dY_0=4,75$$

Anwendungsbereich

0.1

1

10


$$Y_{..} = 18100 \text{ v}$$


v

1

Y

$$Y_w = 90.2$$

10

 $\log(Y)$

EGZ31-7A