

$\log(Y/\Delta Y)$

CIELABn7

Normfarbwertkontrast

$Y_{nc} = L^*_{WRGBnc} = 100, \textcolor{red}{52}, \textcolor{blue}{87}, \textcolor{green}{31}$

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

100

$$T^*_{\text{CIELABn7}} = 109 (Y/Y_n)^{1/2,5} - 9 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(Y/dY) = -\log[2,5(Y_u/108)] + (1/2,5) \log(Y/Y_u)$$

$$= - (1/2,5) \log[2,5(Y_u/108)] + (1/2,5) \log(Y)$$

10

$$T^*_{u0} = 46, dY_u = 4,57, Y_u/dY_u = 3$$

$$\log(Y/dY) = 0,59, m_u = 0,39$$

0

$$(Y/dY)_{90} = 7,48, \gamma = 2,5, 1/\gamma = 1/2,5 = 0,40$$

$$(Y/dY)_{18} = 3,93, S_n = 108,42, D_n = -8,42$$

$$(Y/dY)_{3,6} = 2,06, Y_n = 100, dY_n = 4,57$$

Anwendungsbereich

0,1

1

10

100

1000

10000

100000

1000000

10000000

100000000

1000000000

-1

0

1

10

100

1000

10000

100000

1000000

10000000

100000000

-2

1

10

100

1000

10000

100000

1000000

10000000

100000000

1000000000

0,1

1

10

100

1000

10000

100000

1000000

10000000

100000000

1000000000

-2

1

10

100

1000

10000

100000

1000000

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1000000000