

$\log(\Delta Y)$

CIELABn2

Normfarbwertdifferenz

$$Y_{nc} = Y_W \text{RGB}_{nc} = 100, 21, 72, 7$$

$\Delta Y$

2 100

$$l^*_{\text{CIELABn2}} = 109 (Y/Y_n)^{1/2,5} - 9 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

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

1 10

$$l^*_u = 46, dY_u = 4,57, dY_u/Y_u = 0,2543$$

$$\log(dY) = 4,57, m_u = 0,60$$

0 1

$$dY_{90} = 12,02, \gamma = 2,5, 1/\gamma = 1/2,5 = 0,40$$

$$dY_{18} = 4,57, Y_n = 108,42, D_n = -8,42$$

$$dY_{3,6} = 1,73, Y_n = 100, dY_n = 4,57$$

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Anwendungs-  
bereich

0,1

1

10

100

$Y_u = 18$

100

Y

-2

-1

0

$Y_N = 3,6$

1

10

$Y_W = 90$

2

$\log(Y)$