

$\log (\Delta Y/Y)$

CIELABn3

Normfarbwertempfindlichkeit

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

$S_r=(\Delta Y/Y)$

2-100

$l^*_{CIELABn3}=100(Y/Y_n)^{1/2,0}+1 \quad (Y_n=100, Y_{nc}/100<Y\leq Y_{nc})$

$\log(dY/Y) = \log[2,0(Y_u/99)] - (1/2,0) \log(Y/Y_u)$
 $= (1/2,0) \log[2,0(Y_u/99)] - (1/2,0) \log(Y)$

1-10

$\log(dY/Y)=-0,57, m_u=-0,50$

$l^*_u=43, dY_u=4,75, dY_u/Y_u=0,2639$

Anwendungsbereich

0-1

$(dY/Y)_{90}=0,1180, \gamma=2,0, 1/\gamma=1/2,0=0,50$

$(dY/Y)_{18}=0,2639, S_n=99,21, D_n=0,78$

$(dY/Y)_{3,6}=0,5888, Y_n=100, dY_n=4,75$

0,1

1

10

100

$Y_u=18$

$Y_w=90$

2

Y

-2

-1

0

1

10

100

2

$\log(Y)$