

$\log(\Delta Y/\Delta Y_n)$

CIELABn2 relative

Normfarbwertdifferenz

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

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

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

$\Delta Y/\Delta Y_u$

2
100

1
10

0
1

$dY_{90}/dY_u=2,62, \gamma=2,5, 1/\gamma=1/2,5=0,40$

$dY_{18}/dY_u=1,00, S_n=108,42, D_n=-8,42$

$dY_{3,6}/dY_u=0,37, Y_n=100, dY_n=4,57$

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

$\log[(dY)/(dY)_u]=0, m_u=0,59$

Anwendungs-
bereich

0,1

-1

1

0

10

1

$Y_u=18$

$Y_W=90$

100

2

Y

$\log(Y)$