

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

CIELABn3 relative
Normfarbwertdifferenz

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

$\Delta Y/\Delta Y_u$

2 100

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

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

1 10

$dY_{90}/dY_u=2,23, \gamma=2,0, 1/\gamma=1/2,0=0,50$

$dY_{18}/dY_u=1,00, S_n=99,21, D_n=0,78$

$dY_{3,6}/dY_u=0,44, Y_n=100, dY_n=4,75$

0 1

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

$\log[(dY)/(dY_u)]=0, m_u=0,49$

Anwendungs-
bereich

0,1

1

10

$Y_u=18$

100

Y

1

0

$Y_N=3,6$

1

$Y_W=90$

2

$\log(Y)$