

$\log(Y/\Delta Y)$

LABJNDu0

Normfarbwertkontrast

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

$C_r=(Y/\Delta Y)$

4 10000

$I^*_{LABJNDu0}=\ln(A_{1n}+A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$I^*_{LABJNDu0}=\ln(A_{1n}+A_{2n}x)/(A_{2n}A_{0n}) \quad (x=Y/Y_u)$

$Y/dY=Y/[A_{0n}(A_{1n}+A_{2n}Y)]=xY_u/[A_{0n}(A_{1n}+A_{2n}x)]$

3 1000

$I^*_u=748, dY_u=0,08, Y_u/dY_u=222$

$\log(Y/dY)=2,34, m_u=0,13$

2 100

$(Y/dY)_{90}=250,46, A_{0n}=0,6666, A_{2n}=0,1044, x=1,00$

$(Y/dY)_{18}=222,40, A_{1n}=0,017, A_{2n}=0,0058$

$(Y/dY)_{3,6}=142,55, Y_u=18, dY_u=0,08$

Anwendungsbereich

1

0,1

1

10

100

Y

-2

-1

0

1

2

$\log(Y)$

$x_N=0,2$

$x_W=5$