

$\log [(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIELABu4 relativer
Normfarbwertkontrast

$C_r/C_{ru}=(Y/\Delta Y)/(Y/\Delta Y)_u$

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

$l^*_{CIELABu4}=37(Y/Y_u)^{1/1,5}+13$ ($Y_u=18, Y_{nc}/100 < Y \leq Y_{nc}$)

$\log[(Y/dY)/(Y/dY)_u] = (1/1,5) \log(Y/Y_u)$

2
100

$(Y/dY)_{90}/(Y/dY)_u=2,92, \gamma=1,5, 1/\gamma=1/1,5=0,66$

$(Y/dY)_{18}/(Y/dY)_u=1,00, S_n=36,98, D_n=13,01$

$(Y/dY)_{3,6}/(Y/dY)_u=0,34, Y_u=18, dY_u=4,05$

1
10

$\log[(Y/dY)/(Y/dY)_u]=0, m_u=0,66$

$l^*_u=50, dY_u=4,05, Y_u/dY_u=4$

0
1

--- Anwendungs-
bereich

0,1

10

$Y_u=18$ 100 Y

-2

-1

0

$Y_N=3,6$

1

$Y_W=90$

2

$\log(Y)$