

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

CIE LABn5 relative
tistimulus value contrast

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

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

2 100

$t^*_{CIE LABn5}=116(Y/Y_n)^{1/3,0}-16$ ($Y_n=100, Y_{nc}/100<Y\leq Y_{nc}$)

$\log[(Y/dY)/(Y/dY)_u] = (1/3,0) \log(Y/Y_u)$

1 10

$(Y/dY)_{90}/(Y/dY)_u=1,70, \gamma=3,0, 1/\gamma=1/3,0=0,33$

$(Y/dY)_{18}/(Y/dY)_u=1,00, S_n=115,49, D_n=-15,49$

$(Y/dY)_{3,6}/(Y/dY)_u=0,58, Y_n=100, dY_n=4,60$

0 1

$\log[(Y/dY)/(Y/dY)_u]=0, m_s=0,53$

$t^*_u=50, dY_u=4,60, Y_u/dY_u=1$

application
range

-1

0,1

1

10

100

$Y_u=18$

Y

-2

-1

0

$Y_N=3,6$

1

$Y_W=90$

2

$\log(Y)$