

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

CIE LABn8 relative
tistimulus value contrast

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

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

$t^*_{CIE LABn8} = 100 (Y/Y_n)^{1/2,0} + 1 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$

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

2
100

$(Y/dY)_{90} / (Y/dY)_u = 2,23, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$

$(Y/dY)_{18} / (Y/dY)_u = 1,00, S_n = 99,21, D_n = 0,78$

$(Y/dY)_{3,6} / (Y/dY)_u = 0,44, Y_n = 100, dY_n = 4,75$

1
10

0
1

$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,50$

$t^*_u = 43, dY_u = 4,75, Y_u/dY_u = 3$

application
range

0,1

1

10

$Y_u = 18$

100

Y

-2

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$