

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

CIE LABn1 relative
tistimulus value contrast

$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

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

$L^*_{CIE LABn1} = 116(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 100, Y_{nc}/100 < Y \leq Y_{nc})$

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

2
100

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

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

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

1
10

0
1
 $\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,33$

$L^*_u = 50, dY_u = 4,60, Y_u/dY_u = 2$

application
range

0,1

1

10

100

$Y_u = 18$

Y

-2
-1

0

$Y_N = 3,6$

1

100

$Y_W = 90$

2

$\log(Y)$