

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

CIE LABn2 relative
tistimulus value contrast

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

$$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$$
$$L^*_{CIE LABn2} = 109(Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(Y/dY)/(Y/dY)_u] = (1/2,5) \log(Y/Y_u)$$

2
100

$(Y/dY)_{90}/(Y/dY)_u = 1,90, \gamma = 2,5, 1/\gamma = 1/2,5 = 0,40$

$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 108,42, D_n = -8,42$

$(Y/dY)_{3,6}/(Y/dY)_u = 0,52, Y_n = 100, dY_n = 4,57$

1
10

0
1

$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,40$

$L^*_u = 46, dY_u = 4,57, Y_u/dY_u = 3$

application
range

-1
-2

0,1 1 10 100 Y

$Y_u = 18$

$Y_N = 3,6$ $Y_W = 90$

$\log(Y)$