

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

CIE LABu8 relative
tistimulus value contrast

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

2
100

$$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$$
$$T^*_{CIE LABu8} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

1
10

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

$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 49,21, D_n = 0,78$

$(Y/dY)_{3,6}/(Y/dY)_u = 0,44, Y_u = 18, dY_u = 4,06$

0
1

$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,49$

$T^*_u = 50, dY_u = 4,06, Y_u/dY_u = 1$

application
range

0,1

1

10

100

$Y_u = 18$

Y

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$