

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

CIE LABn2 relative
tistimulus value contrast

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

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

$$l^*_{CIE LABn2}=109(Y/Y_n)^{1/2,5}-9 \quad (Y_n=100, Y_{nc}/100<Y\leq Y_{nc})$$

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

2 100

1 10

0 1

-1

-2

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

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

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

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

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

application
range

0.1

1

10

100

$Y_u=18$

$Y_W=90$

2

$Y_N=3,6$

1

2

log(Y)