

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

CIE LABu3 relative
tistimulus value contrast

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

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

2-100

$$l^*_{CIE LABu3}=50(Y/Y_u)^{1/2,0}+1 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

1-10

0-1

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

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

application
range

