

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

CIE LABu0 relative
tistimulus value contrast

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

$C_r/C_{ru}=(Y/\Delta Y)/(Y/\Delta Y)_u$
 $l^*_{CIE LABu0}=66(Y/Y_u)^{1/3,0}-16$ ($Y_u=18, Y_{nc}/100<Y\leq Y_{nc}$)

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

2
100

$(Y/dY)_{90}/(Y/dY)_u=1,70, \gamma=3,0, 1/\gamma=1/3,0=0,33$
 $(Y/dY)_{18}/(Y/dY)_u=1,00, S_n=65,49, D_n=-15,49$
 $(Y/dY)_{3,6}/(Y/dY)_u=0,58, Y_u=18, dY_u=4,58$

1
10

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

$l^*_u=50, dY_u=4,58, Y_u/dY_u=2$

application
range

