

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

CIE LABu3 relative
tistimulus value sensitivity

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

$S_r/S_{ru}=(\Delta Y/Y)/(\Delta Y/Y)_u$

2 100

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

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

1 10

0 1

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

$l^*_u=50, dY_u=4,06, dY_u/Y_u=0,2257$

application
range

0,1

1

10

100

$Y_u=18$

Y

-1

0

1

2

$Y_N=3,6$

$Y_W=90$

$\log(Y)$