

$\log(\Delta Y/\Delta Y_u)$

IECsRGBu3 relative  
tristimulus value difference  
 $Y_{nc}=Y_W \text{RGB}_{nc}=100, 21, 72, 7$

$\Delta Y/\Delta Y_u$

2·100

$$l^*_{\text{IECsRGBu3}}=50(Y/Y_u)^{1/1,6} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY/dY_u) = [1-(1/1,6)] \log(Y/Y_u)$$

1·10

0·1

$$l^*_{u}=50, dY_u=3,20, dY_u/Y_u=0,1777$$

$$\log[(dY)/(dY)_u]=0, m_u=0,37$$

application range

-1

-0,1

1

10

100

Y

$Y_N=3,6$

1

10

100

Y

$Y_u=18 \quad Y_W=90$