

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

relative IECsRGB-

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

tristimulus value contrast

3-1000

$$L^*_{IECsRGB} = s(Y/Y_n)^{1/2,4} \quad (s=100, Y_n=100, 1/255 < Y \leq 100)$$

relative IECsRGB-tristimulus value contrast

2-100

$$\log[(Y/\Delta Y)/(Y_u/\Delta Y_u)] = \log(Y/Y_u)^{1/2,4}$$

$$L^*_{u}=50, Y_u=18, dY_u=0,90$$

1-10

$$L^*_{u}=50, Y_u=18, dY_u=0,90, Y_u/dY_u=20$$

$$\log[(Y/dY)/(Y_u/dY_u)]=0, m_u=0,41$$

0

-2
0,1

-1
0

1
 $Y_N=4$

10
1

$Y_u=18$
100

y
log(Y)

application range