

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

relative IECsRGBJND-

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

tristimulus value sensitivity

2-100

$$L^*_{IECsRGBJND} = 450 (Y/Y_n)^{1/7,2}$$

relative IECsRGBJND-tristimulus value sensitivity

$$\log(dY/Y) / (dY_u/Y_u) = \log(Y/Y_u)^{-1/7,2}$$

1-10

application range

0-1

$$\log[(dY/Y) / (dY_u/Y_u)] = 0, m_u = -0,14$$

$$Y_u = 18, dY_u = 0,28, dY_u/Y_u = 0,0158$$

-2

-1

0

$Y_N=4$

10

$Y_u=18$

100

2

$\log(Y)$