

$\log(\Delta Y/Y)$

IECsRGBu3

tristimulus value sensitivity

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

$S_r = (\Delta Y/Y)$

2-100

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

$\log(dY/Y) = \log[1,6(Y_u/50)] - (1/1,6) \log(Y/Y_u)$

$= (1/1,6) \log[1,6(Y_u/50)] - (1/1,6) \log(Y)$

1-10

$\log(dY/Y) = -0,75, m_u = -0,62$

application range

0-1

$L^*_u = 50, dY_u = 3,20, dY_u/Y_u = 0,1777$

$(dY/Y)_{90} = 0,0650, \gamma = 1,6, 1/\gamma = 1/1,6 = 0,62$

$(dY/Y)_{18} = 0,1777, S_n = 50,00, D_n = -0,00$

$(dY/Y)_{3,6} = 0,4850, Y_u = 18, dY_u = 3,20$

0,1

1

10

100

$Y_u = 18$

Y

-1

0

1

2

$Y_N = 3,6$

$Y_W = 90$

$\log(Y)$