log [(Y/ΔY) / (Y/ΔY)_u]

IEC sRGBu3 relative tistimulus value contrast

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$ $Y_{nc} = L^*_{WR}$ $B_{nc} = 100, 52, 89, 31$

$L^*_{IEC sRGBu3} = 50 (Y/Y_u)^{1/1,6}$ $(Y_u = 18, Y_{nc}/100 < Y <= Y_{nc})$

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

$(Y/dY)_{90}/(Y/dY)_u = 2,73, \gamma = 1,6, 1/\gamma = 1/1,6 = 0,62$

$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_0 = 50,00, D_0 = -0,00$

$(Y/dY)_{3,6}/(Y/dY)_u = 0,36, Y_u = 18, dY_u = 3,20$

$\log[(Y/dY)/(Y/dY)_u] = 0, m_{un} = 0,62$

$L^*_u = 50, dY_u = 3,20, Y_u/dY_u = 5$

application range

0,1

1

10   $Y_u = 18$ 100   Y

$Y_N = 3,6$ $Y_W = 902$

log(Y)

BEV30−8A