

$\log(\Delta Y/Y)$

LABJNDu3

tristimulus value sensitivity

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

$S_r = (\Delta Y/Y)$

0 -1

$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$

$dY/Y = A_{0n}(A_{1n} + A_{2n}Y) / Y = A_{0n}(A_{1n} + A_{2u}x) / Y$

-1 0,1

$(dY/Y)_{90} = 0,0040, A_{0n} = 1,0, A_{2u} = 0,0699, c_x = 0,67$

$(dY/Y)_{18} = 0,0045, A_{1n} = 0,011, A_{2n} = 0,0038$

$(dY/Y)_{3,6} = 0,0070, Y_u = 18, dY_u = 0,08$

-2 0,01

$\log(dY/Y) = -2,34, m_u = -0,15$

$L^*_u = 744, dY_u = 0,08, dY_u/Y_u = 0,0045$

application
range

-3 -2 -1 0 1 2 $\log(Y)$

0,1 1 10 100 $x_u = 1$

$x_N = 0,2$ $x_W = 5$