

log ($\Delta Y/Y$)

LABJNDu4

tristimulus value sensitivity

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

$S_r = (\Delta Y/Y)$

0-1

$$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

$$(dY/Y)_{90} = 0,0016, A_{0n} = 0,6666, A_{2u} = 0,0438, c_x = 0,42$$

$$(dY/Y)_{18} = 0,0018, A_{1n} = 0,007, A_{2n} = 0,0024$$

$$(dY/Y)_{3,6} = 0,0029, Y_u = 18, dY_u = 0,03$$

-1-0,1

-2-0,01

-3

$$\log(dY/Y) = -2,72, m_u = -0,15$$

$$L^*_u = 1780, dY_u = 0,03, dY_u/Y_u = 0,0018, x_u = 1$$

application
range

-2 -1 0 1 2 log(Y)