

log (Y/ΔY)

LABJNDu7

tristimulus value contrast

$Y_{nc} = Y_{wRGBnc} = 100, 21, 72, 7$

$C_r = (Y/\Delta Y)$

4
10000

$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$

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

3
1000

$t^*_u = 396, dY_u = 0,15, Y_u/dY_u = 114$

$\log(Y/dY) = 2,05, m_u = 0,15$

application range

1
-2 -1 0 1 10 100 Y
 $x_N = 0,2$ $x_u = 1$ $x_w = 5$ 2 log(Y)