

log (Y/ΔY)

LABJNDu8

tristimulus value contrast

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

$$C_r = (Y/\Delta Y)$$

4  
10000

$$t^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

3  
1000

$$t^*_u = 496, dY_u = 0,13, Y_u/dY_u = 138$$

$$\log(Y/dY) = 2,13, m_u = 0,18$$

application  
range

1  
-2 -1 0 1 10 100 y  
x<sub>N</sub> = 0,2 1 x<sub>W</sub> = 5 2 log(Y)