

log (Y/ΔY)

LABJNDu4

tristimulus value contrast

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

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

4  
10000

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

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

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

3  
1000

$$(Y/dY)_{90} = 397,56, A_{0n} = 1,0, A_{2u} = 0,0438, c_x = 0,42$$

$$l^*_u = 1,87, Y_u = 3,53, A_{1n}/dY_u = 0,0053, A_{2n} = 0,0024$$

$$\frac{(Y/dY)_{3,6}}{\sqrt{3,6}} = 226,27, \tau_u = 18, dY_u = 2,53$$

$$\log(Y/dY) = 2,54, m_u = 0,13$$

2  
100

application  
range

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