

log (Y/ΔY)

LABJNDu3

Normfarbwertkontrast

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

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

4  
10000

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

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

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

3  
1000

2  
100

$$l^*_u = 332, dY_u = 0,17, Y_u/dY_u = 103$$

$$\log(Y/dY) = 2,01, m_u = 0,09$$

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Anwendungsbereich

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