

$\log [(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIE LABu2 relative
tistimulus value contrast

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

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$
 $l^*_{CIE LABu2} = 59 (Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log[(Y/dY)/(Y/dY)_u] = (1/2,5) \log(Y/Y_u)$

2
100

$(Y/dY)_{90}/(Y/dY)_u = 1,90, \gamma = 2,5, 1/\gamma = 1/2,5 = 0,40$
 $(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 58,42, D_n = -8,42$
 $(Y/dY)_{3,6}/(Y/dY)_u = 0,52, Y_u = 18, dY_u = 4,27$

1
10

$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,39$

$l^*_u = 50, dY_u = 4,27, Y_u/dY_u = 4$

application
range

0.1

1

10

100

$Y_u = 18$

Y

$Y_N = 3,6$

1

10

$Y_W = 90$

2

$\log(Y)$