

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

CIE LABu4 relative
tistimulus value contrast

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

$$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u$$

$l^*_{CIE LABu4} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

2
100

1
10

0
1

$\log [(Y/dY) / (Y/dY)_u] = 0, m_u = 0,66$

$l^*_u = 50, dY_u = 4,05, Y_u/dY_u = 4$

application
range

0,1

10

$Y_u = 18$ 100 Y

-2

-1

0

$Y_N = 3,6$ 1

$Y_W = 90$ 2

$\log(Y)$