

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

CIELABu4 relativer
Normfarbwertkontrast

$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

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

$$L^*_{CIELABu4} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

2
100

1
10

0
1

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

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

Anwendungs-
bereich

0,1

10

$Y_u = 18$ 100 Y

-1
-2
-1
0
1
2
 $Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$