

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

CIELABu4 relativer
Normfarbwertkontrast

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

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

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

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

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
log(Y)

$Y_N = 3,6$

$Y_W = 90$