

$\log(\Delta Y/Y)$

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

CIE tristimulus
value Y contrast

tristimulus value contrast according to CIELAB

$$\log[(dY/Y) = \log(3 (Y_n^{1/3})/116) - (1/3) \log Y$$

application
range

-1 0,1

$$\log(dY/Y) = -1,33, m_u = -0,33$$

$$Y_u = 18, dY_u = 0,83, dY_u/Y_u = 0,0454$$

$Y_u = 18 \quad 100 \quad Y$

-2

0,1

1

10

2

$\log(Y)$