

$\log(\Delta Y/Y)$

CIE Y contrast

$10C_{r,LABJND}$ and $C_{r,CIEDE2000}$

$C_r = (\Delta Y/Y)$

Y contrast according to CIEDE2000

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

0

1

-1

0,1

$$\log(dY/Y) = -1,33, m_u = -0,18$$

$$Y_u = 18, dY_u = 0,83, dY_u/Y_u = 0,045$$

$$m_{u-} = -0,14$$

application
range

$$m_{u+} = -0,13$$

-2

0,1

1

10

$Y_u = 18$ 100

Y

2 $\log(Y)$