

$\log \Delta Y$

CIE tristimulus value difference
 $10\Delta Y_{LABJND}$ and ΔY_{CIELAB}

ΔY

$$L^* = 116 (Y/Y_n)^{1/3} - 16$$

tristimulus value difference according to CIELAB

10

$$\begin{aligned}\log dY &= \log [3(Y_n/116)] + (2/3) \log(Y/Y_n) \\ &= \log [3(Y_n^{1/3}/116)] + (2/3) \log Y\end{aligned}$$

$$Y_u = 18, dY_u = 0,83, (dY/Y_u) = 0,045$$

$$\log dY = -0,08, m_u = 0,66$$

$$m_{u-} = 0,85$$

0,1

$$m_{u+} = 0,86$$

0,86

application
range

-2

-1

0

10

1

2

$\log Y$