

$\log(\Delta Y/\Delta Y_u)$

CIELABuS relative  
tristimulus value difference  
 $Y_{nc}=Y_W$  **RGB<sub>nc</sub>=100, 21, 72, 7**

$\Delta Y/\Delta Y_u$

2·100

$$f^*_{\text{CIELABuS}} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY/dY_u) = [1-(1/3,0)] \log(Y/Y_u)$$

1·10

0·1

$$t^*_{u}=50, dY_u=4,58, dY_u/Y_u=0,2544$$

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

application  
range



0,1

-2

-1

0

1

10

1

100

2

Y

$Y_N=3,6$

$Y_u=18$

$Y_W=90$

2

log(Y)