

$L^*$ CIELABn2 standard lightness  $L^*$  $Y_{nc}=L^*_{wRGBnc}=100, 52, 87, 31$  $L^*$ 

4 10000

 $L^*_{CIELABn2}=109(Y/Y_n)^{1/2,5}-9$  ( $Y_n=100, Y_{nc}/100 < Y \leq Y_{nc}$ ) $L^*_{N(3,6)}=20, L^*_u(18)=46, L^*_{W(90)}=96$ 

3 1000

 $L^*_{90}=95,52, \gamma=2,5, 1/\gamma=1/2,5=0,40$  $L^*_{18}=46,18, S_n=108,42, D_n=-8,42$  $L^*_{3,6}=20,19, L^*_n=46,18, Y_n=18$ 

2 100

 $\log[L^*/L^*_u]=0, m_u=0,47$  $L^*_u=49, L^*_u=46$ application  
range

1

0,1

-1

1

0

10

1

100

2

 $Y_u=18$  $Y_w=90$  $Y$  $\log(Y)$