

$t^*/t_u^*$ CIELABu9 relative triangle lightness  $t^*/t_u^*$  $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$  $t^*/t_u^*$ 

2 100

 $t^*_{CIELABu9}=37(Y/Y_u)^{1/1,5}+13 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$  $t^*_N(3,6)=26, t^*_u(18)=50, t^*_W(90)=121$ 

1 10

0 1

 $\log[t^*/t_u^*]=0, m_u=0,49$  $L^*_u=49, t^*_u=50$ 

application range

0,1

1

10

100

 $Y_u=18$ 

Y

-2

-1

0

 $Y_N=3,6$ 

1

10

 $Y_W=90$ 

2

 $\log(Y)$