

$t^*$ LABJNDu9 triangle lightness  $t^*$  $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ 

4  
10000  
 $t^*$

 $t^*_{LABJNDu9} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ 
 $t^*_{LABJNDu9} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ 
 $t^*_{(3,6)} = 522, t^*_{(18)} = 1187, t^*_{w(90)} = 1847$ 
 $\log[t^*/t^*_u] = 0,49, \log[t^*/t^*_u] = 0,33$ 
 $L^*_u = 49, t^*_u = 1187$ 

3  
1000  
 $t^*$

2  
100  
 $t^*$

 $t^*_{90} = 1847,21, A_{0n} = 0,0007, A_{2u} = 0,0438, c_x = 0,42$ 
 $t^*_{18} = 1186,52, A_{1n} = 0,007, A_{2n} = 0,0024$ 
 $t^*_{3,6} = 521,84, t^*_u = 1186,52, Y_u = 18$ 

application  
range

0,1

1

10

100

$x_u = 1$

$Y$

1

0,1

1

10

100

$x_u = 1$

$Y$

-2

-1

0

1

2

$\log(Y)$