

$\log(l^*)$

LABJNDu0 standard lightness  $l^*$

$Y_{nc} = Y_W \text{RGB}_{nc} = 100, 21, 72, 7$

$l^*$   
4  
10000

$l^*_{\text{LABJNDu0}} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$l^*_{\text{LABJNDu0}} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$

$l^*_N(3,6) = 329, l^*_u(18) = 748, l^*_W(90) = 1164$

$3 \cdot 10 \log[l^*/l^*_u] = 0, m_u = 0,33$

$L^*_u = 49, l^*_u = 748$

2  
100

$l^*_{90} = 1163,74, A_{0n} = 0,00666, A_{2u} = 0,1044, c_x = 1,00$

$l^*_{18} = 747,51, A_{1n} = 0,00017, A_{2n} = 0,0058$

$l^*_{3,6} = 328,76, l^*_u = 747,51, Y_u = 18$

application  
range

1  
-2  
-1  
0  
1  
10  
100  
 $x_N = 0,2$   
 $x_u = 1$   
 $x_W = 5$   
 $Y$   
 $\log(Y)$