

$\log(t^*/t_u^*)$

CIELABu5 relative Dreieckshelligkeit t^*/t_u^*

$Y_{nc}=Y_{WRGBnc}=100, 21, 72, 7$

t^*/t_u^*
2
100

$t_{CIELABu5}^* = 66(Y/Y_u)^{1/3,0} - 16$ ($Y_u=18, Y_{nc}/100 < Y \leq Y_{nc}$)

$t_{N(3,6)}^* = 23, t_u^*(18) = 50, t_{W(90)}^* = 97$

1
10

$t_{90}^*/t_u^* = 1,93, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$

$t_{18}^*/t_u^* = 1,00, S_n = 65,49, D_n = -15,49$

$t_{3,6}^*/t_u^* = 0,45, t_u^* = 50,00, Y_u = 18$

0
1

$\log[t^*/t_u^*] = 0, m_u = 0,43$

$L_u^* = 49, t_u^* = 50$

Anwendungsbereich

$Y_u = 18$
100
 $Y_N = 3,6$ 1 $Y_W = 90$ 2
-2 -1 0 1 2
 $\log(Y)$