

$XYZ_{W,10} = 97.65, 100.0, 118.42$

$A_{2,10} = 2.5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2.5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$

$b_{2,10} = b_{20} [z_{10} / y_{10}]$

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 0.700$

$C_{AB2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald colours (o)

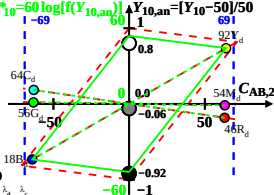
of maximum (m) $C_{AB,10}$ in

linear colour space ($C_{AB,2,10}, Y_{10}$)

Illumin. Q00, $Y_{W,10} = 100, Y_{N,10} = 10$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	561_775	64.58	45.87	11.96	0.5275	0.3747	593	481
Y_d	486_775	79.49	91.81	17.34	0.4213	0.4866	566	459
G_d	486_561	24.77	56.03	17.34	0.2523	0.5709	530	530c
C_d	380_561	42.93	64.23	118.43	0.1903	0.2847	481	593
B_d	380_486	28.02	18.29	113.05	0.1758	0.1148	459	566
M_d	561_486	82.75	54.07	113.05	0.3311	0.2163	530c	530
W_d	380_775	97.65	100.0	118.42	0.3089	0.3163	100%	
N_d	380_775	9.76	10.0	11.84	0.3089	0.3163	10%	
Z_d	380_775	17.57	18.0	21.31	0.3089	0.3163	18%	

$L^*_{10} = 60 \log[f(Y_{10,an})]$ $Y_{10,an} = [Y_{10} - 50] / 50$



$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$
 n increases to 1 for:
 1. decreasing of the contrast C
 2. adjacent compared to separate colours.

Parameter:
 Y_{10} & Name
 Illuminant Q00
 $Y_{W,10} = 100, Y_{N,10} = 10$