

$XYZ_{W,10} = 102.37, 99.99, 81.25$

$A_{2,10} = 2,5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2,5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

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

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

$a_{20} = 1, b_{20} = -0,4$

$x_c = 0,110, B_c = 1,000$

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

6 Ostwald colours (o)

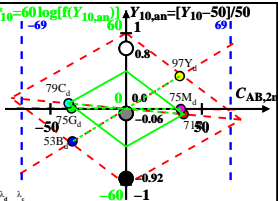
of maximum (m) $C_{AB,10}$ in

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

Illumin. P00, $Y_{W,10} = 100, Y_{N,10} = 50$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R _d	567_775	86.21	71.48	40.7	0.4345	0.3602	597	484
Y _d	489_775	95.67	96.67	43.24	0.4061	0.4103	571	461
G _d	489_567	60.75	75.28	43.24	0.3388	0.4199	533	533c
C _d	380_567	67.49	78.66	81.29	0.2967	0.3458	484	597
B _d	380_489	58.03	53.47	78.75	0.305	0.281	461	571
M _d	567_489	92.96	74.86	78.75	0.377	0.3035	533c	533
W _d	380_775	102.3799	99.99	81.25	0.3609	0.3525	100%	
N _d	380_775	51.18	49.99	40.62	0.3609	0.3525	50%	
Z _d	380_775	18.42	18.0	14.62	0.3609	0.3525	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 P00
 $Y_{W,10} = 100, Y_{N,10} = 50$