

$XYZ_{W,10} = 111.15, 99.99, 35.19$

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

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

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

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

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

$x_c = 0,110, B_c = 2,500$

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

6 Ostwald colours (o)

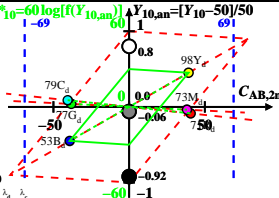
of maximum (m) $C_{AB,10}$ in

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

Illumin. A00, $Y_{W,10} = 100, Y_{N,10} = 50$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R _d	575_775	94.04	70.71	17.63	0.5156	0.3877	606	493
Y _d	498_775	108.4997	58	18.73	0.4825	0.434	577	469
G _d	498_575	70.13	76.97	18.73	0.4229	0.4641	546	546c
C _d	380_575	72.84	79.43	35.21	0.3885	0.4236	493	606
B _d	380_498	58.39	52.56	34.11	0.4025	0.3623	469	577
M _d	575_498	96.75	73.17	34.11	0.4741	0.3586	546c	546
W _d	380_775	111.1599	99.99	35.19	0.4511	0.4059	100%	
N _d	380_775	55.57	49.99	17.59	0.4511	0.4059	50%	
Z _d	380_775	20.0	18.0	6.33	0.4511	0.4059	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 A00
 $Y_{W,10} = 100, Y_{N,10} = 50$