

$XYZ_{W,10} = 99.99, 99.99, 100.0$

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

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

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

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

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

$x_c = 0,110, B_c = 0,900$

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

**6 Ostwald colours (o)**

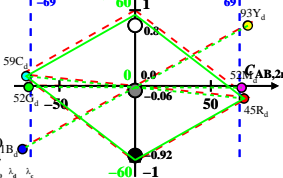
of maximum (m)  $C_{AB,10}$  in

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

Illumin. E00,  $Y_{W,10}=100, Y_{N,10}=4$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	$\lambda_d$	$\lambda_c$
$R_d$	564_775	67.52	44.68	4.1	0.5805	0.3841	594	482
$Y_d$	487_775	83.83	92.83	10.12	0.4488	0.4969	568	459
$G_d$	487_564	20.41	52.25	10.12	0.2465	0.6311	530	530c
$C_d$	380_564	36.56	59.41	100.01	0.1865	0.3031	482	594
$B_d$	380_487	20.25	11.26	93.99	0.1613	0.0897	459	568
$M_d$	564_487	83.68	51.85	93.99	0.3645	0.2259	530c	530
$W_d$	380_775	99.99	99.99	100.0	0.3333	0.3333	100%	
$N_d$	380_775	3.99	3.99	4.0	0.3332	0.3333	4%	
$Z_d$	380_775	17.99	17.99	18.0	0.3333	0.3333	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 E00  
 $Y_{W,10}=100, Y_{N,10}=4$