

$XYZ_{W,10} = 94.81, 100.0, 107.33$

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

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

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

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

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

$x_c = 0,110, B_c = 0,800$

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

6 Ostwald-Farben (o)

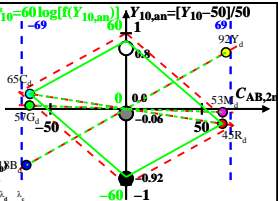
von maximalem (m) $C_{AB,10}$ im

linearen Farbenraum ($C_{AB,2,10}, Y_{10}$)

Lichtart D65, $Y_{W,10} = 100, Y_{N,10} = 10$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R _d	561_775	63.31	45.16	10.84	0.5306	0.3785	593	482
Y _d	487_775	78.75	92.32	16.77	0.4192	0.4914	566	461
G _d	487_561	25.01	57.25	16.77	0.2525	0.578	529	529 _c
C _d	380_561	41.08	64.94	107.34	0.1925	0.3043	482	593
B _d	380_487	25.64	17.78	101.4	0.177	0.1228	461	566
M _d	561_487	79.38	52.85	101.4	0.3397	0.2262	529 _c	529
W _d	380_775	94.81	100.0	107.33	0.3137	0.3309	100%	
N _d	380_775	9.48	10.0	10.73	0.3137	0.3309	10%	
Z _d	380_775	17.06	18.0	19.32	0.3137	0.3309	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 nähert sich 1 für:

1. abnehmendem Kontrast C
2. aneinandergrenzende / separate Farben.

Parameter:
 Y_{10} & Name
 Lichtart D65
 $Y_{W,10} = 100, Y_{N,10} = 10$