

$XYZ_{W,10} = 97.28, 99.99, 116.14$

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

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

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

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

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

$x_c = 0,110, B_c = 0,700$

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

6 Ostwald-Farben (o)

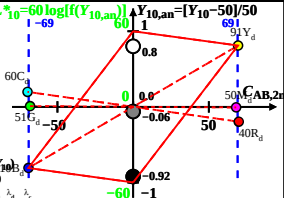
von maximalem (m) $C_{AB,10}$

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

Lichtart C00, $Y_{W,10} = 100, Y_{N,10} = 0$

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	61.15	40.24	0.23	0.6017	0.3959	593	481
Y_d	486_775	77.82	90.55	6.36	0.4453	0.5182	567	461
G_d	486_561	16.86	50.51	6.36	0.2286	0.685	530	530c
C_d	380_561	36.32	59.95	116.14	0.1709	0.2822	481	593
B_d	380_486	19.65	9.64	110.01	0.141	0.0692	461	567
M_d	561_486	80.62	49.68	110.01	0.3354	0.2067	530c	530
W_d	380_775	97.28	99.99	116.14	0.3103	0.319	100%	
N_d	380_775	0.09	0.09	0.11	0.3102	0.3189	0%	
Z_d	380_775	17.51	18.0	20.9	0.3103	0.319	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 C00

$Y_{W,10} = 100, Y_{N,10} = 0$