

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

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

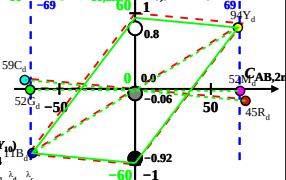
von maximalem (m) $C_{AB,10}$

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

Lichtart P00, $Y_{W,10} = 100, Y_{N,10} = 4$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R _d	567_775	71.25	45.16	3.33	0.595	0.3771	597	484
Y _d	489_775	89.42	93.52	8.2	0.4677	0.4892	571	461
G _d	489_567	22.36	52.46	8.2	0.2693	0.6318	533	533c
C _d	380_567	35.31	58.94	81.25	0.2012	0.3358	484	597
B _d	380_489	17.15	10.57	76.38	0.1647	0.1016	461	571
M _d	567_489	84.21	51.64	76.38	0.3967	0.2433	533c	533
W _d	380_775	102.37	99.99	81.25	0.3609	0.3525	100%	
N _d	380_775	4.09	3.99	3.25	0.3609	0.3525	4%	
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 nähert sich 1 für:

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

Parameter:

Y_{10} & Name

Lichtart P00

$Y_{W,10} = 100, Y_{N,10} = 4$