

$XYZ_{W,10} = 97.65, 100.0, 118.42$

$A_{2,10} = 2.5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2.5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 0.700$

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

6 Ostwald-Farben (o)

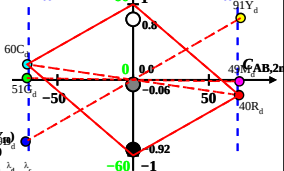
von maximalem (m) $C_{AB,10}$ im

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

Lichtart Q00, $Y_{W,10} = 100, Y_{N,10} = 0$

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	60.93	39.91	0.23	0.6028	0.3948	593	481
Y _d	486_775	77.48	90.9	6.21	0.4437	0.5206	566	459
G _d	486_561	16.74	51.18	6.21	0.2258	0.6903	530	530c
C _d	380_561	36.9	60.28	118.42	0.1711	0.2796	481	593
B _d	380_486	20.35	9.29	112.44	0.1432	0.0654	459	566
M _d	561_486	81.1	49.01	112.44	0.3343	0.202	530c	530
W _d	380_775	97.65	100.0	118.42	0.3089	0.3163	100%	
N _d	380_775	0.09	0.1	0.11	0.3088	0.3162	0%	
Z _d	380_775	17.57	18.0	21.31	0.3089	0.3163	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 Q00

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