

$XYZ_W=95.04, 100.0, 108.89$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} B_c [z / y]$

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

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

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o), $C_{AB,2} = \text{const}$

Farbenraum ($C_{AB,2}$) Y

$Y = 18Y_r$

-74 Parameter:

Y & Name

$Y_r = Y/18,$

$L' = L^* - 50$



Lichtart D65, $Y_W = 100.0, Y_N = 0.1$

Name	Bereich	X	Y	Z	x_N	y_N	λ_a	λ_c	λ_e	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$A_{AB,2}$	$B_{AB,2}$	Y_r	L'	CIE	L'	TUV	L'	Tar	
R	507..775	59.63	37.91	0.05	0.61	0.388596	489	1.289	0.0	0.758	63.8	32.9	71.8	27	2.1	17.9	18.6	18.5	15.6						
Y	493..775	77.19	94.25	6.76	0.432	0.529570	463	0.61	-0.022	0.325	-1.3	76.7	76.7	9.1	5.23	47.7	48.7	41.1	30.8						
G	493..567	17.49	56.35	1.71	0.217	0.699535	535	0.153	-0.038	0.557	-65.2	43.7	78.5	146	3.13	29.8	30.6	28.3	22.9						
C	380..567	35.41	62.09	108.84	0.171	0.3	489	596	0.204	-0.56	0.463	-63.8	-32.9	71.8	207	3.44	32.9	33.8	30.7	24.5					
B	380..493	17.93	57.75	102.14	0.142	0.045463	570	0.711	-5.681	5.334	1.3	-76.7	76.7	271	0.31	-21.2	-20.9	-28.3	-22.9						
M	507..493	77.55	43.65	102.18	0.347	0.195535	535	1.213	-0.749	0.719	65.2	-43.7	78.5	326	2.42	22.0	22.7	22.0	18.3						
W	380..775	95.04	100.0	108.89	0.312	0.329	100%	0.06	-0.348	0.01	0.0	0.0	0.0	5.55	50.0	51.0	42.6	31.5							
N	380..775	0.01	0.01	0.01	0.311	0.327	0.0	0.615	-0.348	0.01	0.0	0.0	0.0	180	0.0	-49.9	-49.9	-186.2	-49.8						
U	380..775	17.1	18.0	19.6	0.312	0.329	18%	0.616	-0.348	0.01	0.0	0.0	185	1.0	-0.4	0.0	0.0	0.0							

fig00-1a

$XYZ_W=96.42, 100.0, 82.49$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} B_c [z / y]$

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

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

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o), $C_{AB,2} = \text{const}$

Farbenraum ($C_{AB,2}$) Y

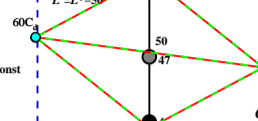
$Y = 18Y_r$

-74 Parameter:

Y & Name

$Y_r = Y/18,$

$L' = L^* - 50$



Lichtart D50, $Y_W = 100.0, Y_N = 0.1$

Name	Bereich	X	Y	Z	x_N	y_N	λ_a	λ_c	λ_e	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$A_{AB,2}$	$B_{AB,2}$	Y_r	L'	CIE	L'	TUV	L'	Tar	
R	570..775	64.89	39.99	0.05	0.618	0.381598	491	1.333	0.0	0.752	67.6	32.9	75.2	25	2.22	19.4	20.1	19.8	16.6						
Y	496..775	83.1	94.03	4.27	0.458	0.518573	468	0.671	-0.018	0.312	3.3	73.3	73.3	8.7	5.22	47.6	48.6	41.0	30.7						
G	496..570	18.21	54.04	4.22	0.238	0.706538	538	0.181	-0.031	0.562	-64.3	40.3	75.9	147	3.0	28.4	29.2	27.3	22.2						
C	380..570	31.53	60.01	82.44	0.181	0.344491	598	0.206	-0.549	0.501	-67.6	-32.9	75.2	205	3.33	31.8	32.6	29.9	23.9						
B	380..496	13.32	59.7	78.23	0.136	0.061468	573	0.434	-5.235	4.91	-3.3	-73.3	73.3	267	0.33	-20.6	-20.3	-27.3	-22.2						
M	570..496	78.21	45.96	78.28	0.386	0.227538	538	1.217	-0.681	0.66	64.3	-40.3	75.9	327	2.55	23.5	24.2	23.3	19.3						
W	380..775	96.42	100.0	82.49	0.345	0.358	100%	0.057	-0.329	0.01	0.0	0.0	5.55	50.0	51.0	42.6	31.5								
N	380..775	0.01	0.01	0.01	0.344	0.357	0.0	0.656	-0.329	0.01	0.0	0.0	180	0.0	-49.9	-49.9	-186.2	-49.8							
U	380..775	17.35	18.0	14.84	0.345	0.358	18%	0.657	-0.329	0.01	0.0	0.0	180	1.0	-0.4	0.0	0.0	0.0							

fig00-2a

$XYZ_W=100.93, 100.0, 64.68$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} B_c [z / y]$

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

$x_c = 0,110, B_c = 1,300$

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o), $C_{AB,2} = \text{const}$

Farbenraum ($C_{AB,2}$) Y

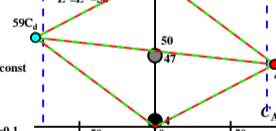
$Y = 18Y_r$

-74 Parameter:

Y & Name

$Y_r = Y/18,$

$L' = L^* - 50$



Lichtart P40, $Y_W = 100.0, Y_N = 0.1$

Name	Bereich	X	Y	Z	x_N	y_N	λ_a	λ_c	λ_e	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$A_{AB,2}$	$B_{AB,2}$	Y_r	L'	CIE	L'	TUV	L'	Tar	
R	573..775	70.19	41.14	0.05	0.63	0.369600	493	1.408	0.0	0.768	71.0	34.5	79.0	25	2.28	20.2	20.9	20.5	17.2						
Y	498..775	90.58	95.34	4.06	0.476	0.501576	468	0.73	-0.022	0.314	3.2	74.8	74.9	8.7	5.29	48.1	49.1	41.4	30.9						
G	498..573	20.4	54.21	4.06	0.259	0.689540	540	0.216	-0.038	0.582	-67.8	40.3	78.9	149	3.01	28.5	29.3	27.4	22.2						
C	380..573	30.74	58.68	64.64	0.199	0.381493	600	0.234	-0.571	0.577	-71.0	-34.5	79.0	209	3.27	31.2	32.0	29.4	23.6						
B	380..498	10.35	45.86	60.62	0.136	0.061468	576	0.435	-6.762	6.432	-3.2	-74.8	74.9	267	0.25	-24.2	-23.9	-33.5	-26.3						
M	573..498	80.53	47.69	60.67	0.43	0.244540	540	1.309	-0.688	0.689	67.8	-40.3	78.9	329	2.54	23.4	24.1	23.2	19.2						
W	380..775	100.93	100.0	64.68	0.379	0.376	100%	0.717	-0.336	0.01	0.0	0.0	5.55	50.0	51.0	42.6	31.5								
N	380..775	0.01	0.01	0.01	0.378	0.375	0.0	0.716	-0.336	0.01	0.0	0.0	180	0.0	-49.9	-49.9	-186.2	-49.8							
U	380..775	18.16	18.0	11.64	0.379	0.376	18%	0.717	-0.336	0.01	0.0	0.0	166	1.0	-0.4	0.0	0.0	0.0							

fig00-3a

$XYZ_W=109.84, 99.99, 35.58$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} B_c [z / y]$

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

$x_c = 0,110, B_c = 2,500$

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o), $C_{AB,2} = \text{const}$

Farbenraum ($C_{AB,2}$) Y

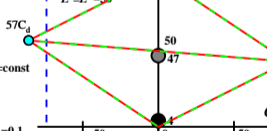
$Y = 18Y_r$

-74 Parameter:

Y & Name

$Y_r = Y/18,$

$L' = L^* - 50$



Lichtart A00, $Y_W = 100.0, Y_N = 0.1$

Name	Bereich	X	Y	Z	x_N	y_N	λ_a	λ_c	λ_e	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$A_{AB,2}$	$B_{AB,2}$	Y_r	L'	CIE	L'	TUV	L'	Tar	
R	579..775	79.88	43.01	0.04	0.649	0.349605	499	1.542	-0.001	0.797	76.7	38.1	85.7	26	2.38	21.5	22.2	21.6	18.0						
Y	504..775	104.4795	97	2.33	0.515	0.473581	474	0.856	-0.024	0.332	6.6	79.5	79.8	8.5	5.33	48.4	49.4								