

$XYZ_W=95.04, 100.0, 108.89$

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

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

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

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

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

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

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

6 Ostwald-Farben (o), $C_{AB2} = \text{const}$

Farbenraum (C_{AB2}, Y)

$Y = 18Y_T$

-74 Parameter:

Y & Name

$Y_T = Y/18,$

$L' = -L^* = -50$

Lichtart D65, $Y_W = 90.0, Y_N = 3.6$

Name	Bereich	X	z	x _N	z _N	λ _d	λ _c	a ₂	b ₂	A ₂	B ₂	C _{AB2}	h _{AB2}	Y _T	L ^o _{CIE}	L ^o _{TUV}	L ^o _{Tar}		
R	507..775	49.44	32.71	3.56	0.576	0.381596	489.1223	-0.034	0.683	49.6	25.6	55.8	27	1.81	63.9	64.5	64.8	62.6	
Y	493..775	63.04	76.53	8.77	0.424	0.515570	463.601	-0.036	0.311	-1.0	59.6	59.6	91	4.25	90.1	91.0	85.9	77.8	
G	493..775	16.67	47.05	8.74	0.23	0.649535	535.0184	-0.039	0.519	-50.7	33.6	61.0	146	26.1	74.2	74.9	73.8	69.7	
C	380..567	30.61	51.52	88.16	0.179	0.302489	596.023	-0.547	0.433	-49.6	-25.6	55.8	207	2.86	76.9	77.7	76.1	71.3	
B	380..493	17.01	7.7	82.95	0.158	0.071463	570.0671	-3.444	3.096	1.0	0.0	0.0	0.0	4.22	33.3	33.7	28.9	32.3	
M	507..493	63.38	37.18	92.98	0.345	0.202535	535.1161	-0.714	0.656	50.7	-33.9	61.0	326	2.06	67.4	68.0	68.0	65.2	
W	380..775	85.53	90.0	80.0	0.312	0.329	90.0	0.616	-0.348	0.01	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1	
N	380..775	3.42	3.6	3.92	0.312	0.329	3.6	0.616	-0.348	0.01	0.0	0.0	0.0	180	0.19	22.3	22.5	9.9	19.8
U	380..775	17.1	18.0	19.6	0.312	0.329	18.0	0.616	-0.348	0.01	0.0	0.0	0.0	184	1.0	49.5	50.0	50.0	50.0

fig50-5a

$XYZ_W=96.42, 100.0, 82.49$

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

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

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

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

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

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

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

6 Ostwald-Farben (o), $C_{AB2} = \text{const}$

Farbenraum (C_{AB2}, Y)

$Y = 18Y_T$

-74 Parameter:

Y & Name

$Y_T = Y/18,$

$L' = -L^* = -50$

Lichtart D50, $Y_W = 90.0, Y_N = 3.6$

Name	Bereich	X	z	x _N	z _N	λ _d	λ _c	a ₂	b ₂	A ₂	B ₂	C _{AB2}	h _{AB2}	Y _T	L ^o _{CIE}	L ^o _{TUV}	L ^o _{Tar}		
R	570..775	53.58	34.33	2.71	0.591	0.378598	491.127	-0.031	0.681	52.5	25.6	58.5	25	1.9	65.2	65.8	66.0	63.6	
Y	496..775	67.74	76.35	5.98	0.451	0.508573	468.607	-0.031	0.299	2.5	57.0	57.0	87	4.24	90.0	90.9	85.9	77.8	
G	496..775	17.28	45.26	5.95	0.252	0.66	538.0215	-0.052	0.521	-50.0	31.3	59.0	147	25.1	73.0	73.8	72.9	69.0	
C	380..570	23.64	49.8	66.78	0.191	0.345491	598.0235	-0.535	0.469	-52.5	-25.6	58.5	205	2.77	76.0	76.7	75.3	70.7	
B	380..496	17.48	7.88	63.5	0.158	0.092468	573.0526	-3.223	2.896	-2.5	-57.0	57.0	267	0.43	33.7	34.0	29.4	32.7	
M	570..496	63.94	38.97	63.54	0.384	0.234538	538.117	-0.652	0.606	50.0	-31.3	59.0	327	2.16	68.7	69.4	69.2	66.1	
W	380..775	86.78	90.0	74.24	0.345	0.358	90.0	0.657	-0.329	0.01	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1	
N	380..775	3.47	3.6	2.96	0.345	0.358	3.6	0.657	-0.329	0.01	0.0	0.0	0.0	181	0.19	22.3	22.5	10.0	19.8
U	380..775	17.35	18.0	14.84	0.345	0.358	18.0	0.657	-0.329	0.01	0.0	0.0	0.0	186	1.0	49.5	50.0	50.0	

fig50-6a

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

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

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

6 Ostwald-Farben (o), $C_{AB2} = \text{const}$

Farbenraum (C_{AB2}, Y)

$Y = 18Y_T$

-74 Parameter:

Y & Name

$Y_T = Y/18,$

$L' = -L^* = -50$

Lichtart P40, $Y_W = 90.0, Y_N = 3.6$

Name	Bereich	X	z	x _N	z _N	λ _d	λ _c	a ₂	b ₂	A ₂	B ₂	C _{AB2}	h _{AB2}	Y _T	L ^o _{CIE}	L ^o _{TUV}	L ^o _{Tar}		
R	573..775	57.85	35.23	2.13	0.607	0.37	600	-0.031	0.697	55.2	26.8	61.4	25	1.95	65.9	66.5	66.6	64.1	
Y	498..775	73.71	77.38	5.25	0.471	0.494576	468.073	-0.035	0.301	2.5	58.2	58.3	87	4.29	90.4	91.4	86.2	78.0	
G	498..775	17.12	45.39	5.21	0.274	0.65	540	-0.059	0.54	-52.7	31.3	61.3	149	2.52	73.1	73.8	72.9	69.0	
C	380..573	21.49	49.0	52.36	0.211	0.381493	600.0265	-0.555	0.501	-55.2	-26.8	61.4	205	2.72	75.4	76.2	74.8	70.0	
B	380..498	11.31	6.85	49.24	0.167	0.101468	576.0568	-3.733	3.4	-2.5	-58.2	58.3	267	0.38	31.4	31.8	26.0	30.1	
M	573..498	65.89	38.84	49.27	0.427	0.252540	540.126	-0.659	0.631	52.7	-31.3	61.3	329	2.15	68.6	69.3	69.1	66.1	
W	380..775	90.83	90.0	58.22	0.379	0.376	90.0	0.717	-0.336	0.01	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1	
N	380..775	3.63	3.6	2.32	0.379	0.376	3.6	0.717	-0.336	0.01	0.0	0.0	0.0	180	0.19	22.3	22.5	9.9	19.8
U	380..775	18.16	18.0	11.64	0.379	0.376	18.0	0.717	-0.336	0.01	0.0	0.0	0.0	169	1.0	49.5	50.0	50.0	

fig50-7a

$XYZ_W=109.84, 99.99, 35.58$

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

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

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

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

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

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

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

6 Ostwald-Farben (o), $C_{AB2} = \text{const}$

Farbenraum (C_{AB2}, Y)

$Y = 18Y_T$

-74 Parameter:

Y & Name

$Y_T = Y/18,$

$L' = -L^* = -50$

Lichtart A00, $Y_W = 90.0, Y_N = 3.6$

Name	Bereich	X	z	x _N	z _N	λ _d	λ _c	a ₂	b ₂	A ₂	B ₂	C _{AB2}	h _{AB2}	Y _T	L ^o _{CIE}	L ^o _{TUV}	L ^o _{Tar}			
R	579..775	65.67	36.68	1.18	0.634	0.354005	499.1479	-0.032	0.727	59.7	26.9	66.6	26	2.03	67.0	67.7	67.6	64.9		
Y	504..775	84.79	77.87	2.96	0.511	0.47	581	-0.038	0.318	5.1	61.8	62.0	85	4.32	90.7	91.6	86.6	78.1		
G	504..775	22.67	44.42	2.93	0.323	0.634547	547.0337	-0.066	0.57	-54.5	31.3	63.3	149	2.64	72.5	73.2	72.4	68.6		
C	380..579	26.86	47.55	28.9	0.26	0.46	499	0.05	0.326	-60.0	0.05	0.561	-59.7	-29.6	66.6	206	2.64	74.5	75.2	74.1
B	380..504	7.74	6.36	27.0	0.188	0.154474	581.0505	-4.241	3.898	-5.1	-61.8	62.0	325	0.35	30.0	30.6	24.1	28.8		
M	579..504	69.85	39.81	27.03	0.51	0.291547	547.1376	-0.679	0.636	54.5	-32.1	63.3	269	2.21	69.3	70.0	69.7	66.5		
W	380..775	98.86	89.99	32.02	0.447	0.407	90.0	0.828	-0.355	0.01	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1		
N	380..775	3.95	3.6	1.28	0.447	0.407	3.6	0.828	-0.355	0.01	0.0	0.0	0.0	181	0.19	22.3	22.5	9.9	19.8	
U	380..775	19.77	17.99	6.4	0.447	0.407	18.0	0.828	-0.355	0.01	0.0	0.0	0.0	180	1.0	49.5	50.0	50.0		

fig50-8a

fig50-7R_R