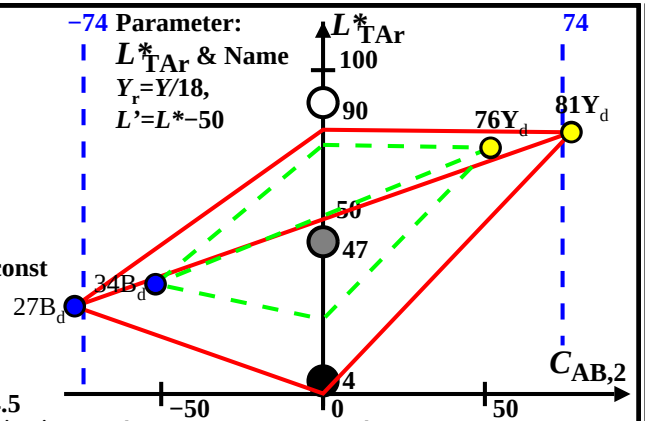
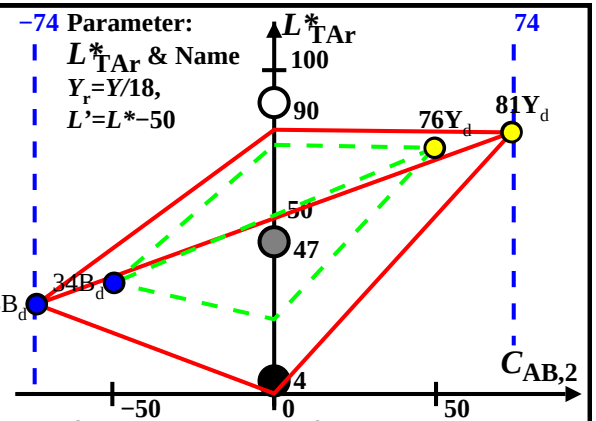
XYZ_W=95.04 , 100.0 , 108.89
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}800$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18,\ x=\log[Y_r]$
Lichtart D65, Y_W=72.0 , Y_N=4.5



Name	Bereich	X	Y	Z	x	y	λ_d	λ_c	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$h_{AB,2}$	Y_r	L^*_{CIE}	L^*_{CIr}	L^*_{TUr}	L^*_{TAr}
R_o	567_775	44.52	30.08	4.93	0.559	0.378	596	489	1.189	−0.052	0.645	43.0	22.2	48.5	27	1.67	61.7	62.3	62.7	60.9
Y_o	493_775	56.33	68.12	9.45	0.42	0.508	570	463	0.61	−0.044	0.304	−0.9	51.7	51.7	91	3.78	86.0	86.9	83.0	76.0
G_o	493_567	16.08	42.53	9.42	0.236	0.625	535	535c	0.202	−0.07	0.498	−44.0	29.5	53.0	146	2.36	71.2	71.9	71.3	67.8
C_o	380_567	28.18	46.41	78.36	0.184	0.303	489	596	0.244	−0.54	0.418	−43.0	−22.2	48.5	207	2.57	73.8	74.5	73.5	69.4
B_o	380_493	16.37	8.37	73.84	0.166	0.084	463	570	0.66	−2.82	2.472	0.9	−51.7	51.7	271	0.46	34.7	35.1	30.9	33.9
M_o	567_493	56.62	33.96	73.87	0.344	0.206	535c	535	1.134	−0.696	0.624	44.0	−29.5	53.0	326	1.88	64.9	65.5	65.7	63.4
W_d	380_775	68.43	72.0	78.4	0.312	0.329	72%		0.616	−0.348	0.01	0.0	0.0	0.0	0	4.0	87.9	88.8	84.4	76.9
N_d	380_775	4.27	4.5	4.9	0.312	0.329	4%		0.616	−0.348	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0
U_d	380_775	17.1	18.0	19.6	0.312	0.329	18%		0.616	−0.348	0.01	0.0	0.0	0.0	180	1.0	49.5	50.0	50.0	50.0

fgc91−1a

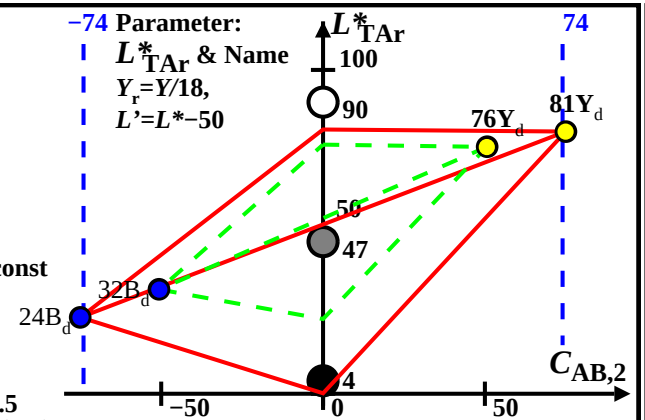
XYZ_W=96.42 , 100.0 , 82.49
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}000$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18,\ x=\log[Y_r]$
Lichtart D50, Y_W=72.0 , Y_N=4.5



Name	Bereich	X	Y	Z	x	y	λ_d	λ_c	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$h_{AB,2}$	Y_r	L^*_{CIE}	L^*_{CIr}	L^*_{TUr}	L^*_{TAr}
R_o	570_775	48.14	31.49	3.74	0.577	0.377	598	491	1.237	−0.047	0.645	45.6	22.2	50.7	25	1.74	62.9	63.5	63.9	61.9
Y_o	496_775	60.43	67.97	6.59	0.447	0.503	573	468	0.67	−0.038	0.291	2.2	49.4	49.5	87	3.77	85.9	86.8	83.0	76.0
G_o	496_570	16.63	40.97	6.55	0.259	0.638	538	538c	0.233	−0.064	0.5	−43.4	27.2	51.2	147	2.27	70.1	70.8	70.4	67.1
C_o	380_570	25.62	45.0	59.36	0.197	0.346	491	598	0.251	−0.527	0.451	−45.6	−22.2	50.7	205	2.5	72.8	73.6	72.7	68.9
B_o	380_496	13.32	8.52	56.52	0.17	0.108	468	573	0.552	−2.65	2.323	−2.2	−49.4	49.5	267	0.47	35.0	35.4	31.4	34.3
M_o	570_496	57.13	35.52	56.55	0.382	0.238	538c	538	1.146	−0.636	0.577	43.4	−27.2	51.2	327	1.97	66.1	66.8	66.8	64.3
W_d	380_775	69.42	72.0	59.39	0.345	0.358	72%		0.657	−0.329	0.01	0.0	0.0	0.0	0	4.0	87.9	88.8	84.4	76.9
N_d	380_775	4.33	4.5	3.71	0.345	0.358	4%		0.657	−0.329	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0
U_d	380_775	17.35	18.0	14.84	0.345	0.358	18%		0.657	−0.329	0.01	0.0	0.0	0.0	192	1.0	49.5	50.0	50.0	50.0

fgc91−2a

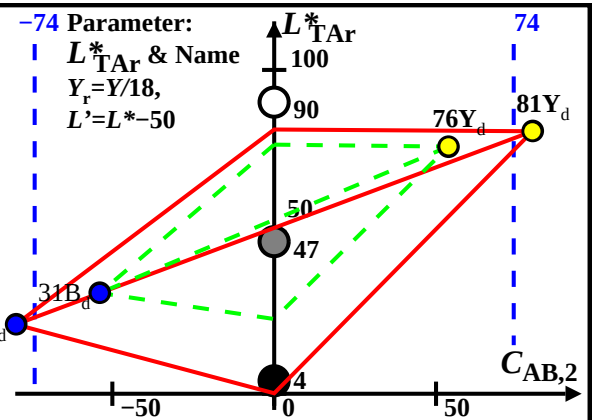
XYZ_W=100.93 , 100.0 , 64.68
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}300$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18,\ x=\log[Y_r]$
Lichtart P40, Y_W=72.0 , Y_N=4.5



Name	Bereich	X	Y	Z	x	y	λ_d	λ_c	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$h_{AB,2}$	Y_r	L^*_{CIE}	L^*_{CIr}	L^*_{TUr}	L^*_{TAr}
R_o	573_775	51.92	32.27	2.94	0.595	0.37	600	493	1.311	−0.047	0.661	47.9	23.3	53.3	25	1.79	63.5	64.2	64.5	62.4
Y_o	498_775	65.68	68.85	5.65	0.468	0.491	576	468	0.729	−0.042	0.294	2.2	50.5	50.6	87	3.82	86.4	87.3	83.3	76.2
G_o	498_573	18.3	41.08	5.62	0.281	0.631	540	540c	0.271	−0.071	0.518	−45.7	27.2	53.2	149	2.28	70.2	70.9	70.5	67.1
C_o	380_573	25.29	44.22	46.54	0.217	0.381	493	600	0.283	−0.547	0.482	−47.9	−23.3	53.3	205	2.45	72.3	73.1	72.3	68.5
B_o	380_498	11.52	7.64	43.83	0.182	0.121	468	576	0.601	−2.983	2.649	−2.2	−50.5	50.6	267	0.42	33.2	33.5	28.7	32.2
M_o	573_498	58.9	35.41	43.86	0.426	0.256	540c	540	1.234	−0.644	0.601	45.7	−27.2	53.2	329	1.96	66.0	66.7	66.8	64.2
W_d	380_775	72.67	72.0	46.57	0.379	0.376	72%		0.717	−0.336	0.01	0.0	0.0	0.0	0	4.0	87.9	88.8	84.4	76.9
N_d	380_775	4.54	4.5	2.91	0.379	0.376	4%		0.717	−0.336	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0
U_d	380_775	18.16	18.0	11.64	0.379	0.376	18%		0.717	−0.336	0.01	0.0	0.0	0.0	180	1.0	49.5	50.0	50.0	50.0

fgc91−3a

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), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18,\ x=\log[Y_r]$
Lichtart A00, Y_W=72.0 , Y_N=4.5



Name	Bereich	X	Y	Z	x	y	λ_d	λ_c	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$h_{AB,2}$	Y_r	L^*_{CIE}	L^*_{CIr}	L^*_{TUr}	L^*_{TAr}
R_o	579_775	58.86	33.53	1.62	0.626	0.356	605	499	1.446	−0.048	0.69	51.8	25.7	57.8	26	1.86	64.5	65.2	65.4	63.1
Y_o	504_775	75.46	69.28	3.17	0.51	0.468	581	474	0.854	−0.045	0.311	4.4	53.6	53.8	85	3.84	86.6	87.5	83.4	76.3
G_o	504_579	21.53	40.25	3.15	0.331	0.619	547	547c	0.357	−0.078	0.546	−47.3	27.9	54.9	149	2.23	69.6	70.3	70.0	66.7
C_o	380_579	25.17	42.96	25.59	0.268	0.458	499	605	0.345	−0.595	0.539	−51.8	−25.7	57.8	206	2.38	71.5	72.2	71.6	68.0
B_o	380_504	8.57	7.21	24.04	0.215	0.181	474	581	0.581	−3.332	2.986	−4.4	−53.6	53.8	265	0.4	32.2	32.6	27.2	31.1
M_o	579_504	62.49	36.24	24.07	0.508	0.295	547c	547	1.351	−0.664	0.606	47.3	−27.9	54.9	329	2.01	66.7	67.3	67.3	64.7
W_d	380_775	79.09	71.99	25.61	0.447	0.407	72%		0.828	−0.355	0.01	0.0	0.0	0.0	0	4.0	87.9	88.8	84.4	76.9
N_d	380_775	4.94	4.49	1.6	0.447	0.407	4%		0.828	−0.355	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0
U_d	380_775	19.77	17.99	6.4	0.447	0.407	18%		0.828	−0.355	0.01	0.0	0.0	0.0	180	1.0	49.5	50.0	50.0	50.0

fgc91−4a

fgc90−7R_R