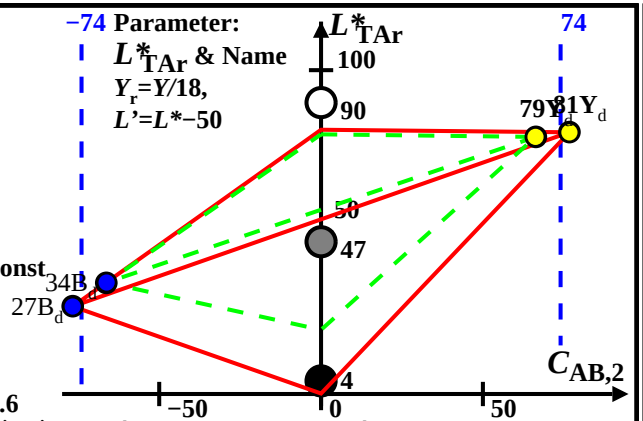
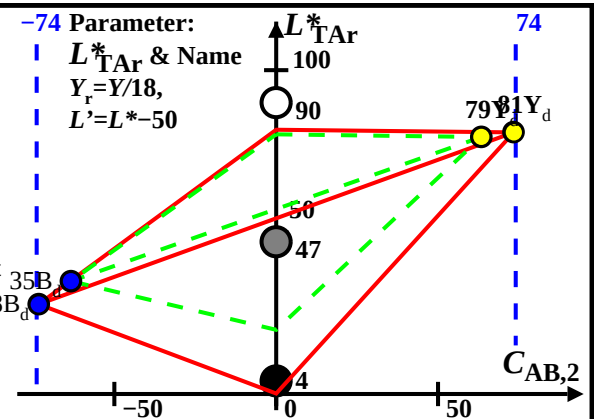
XYZ_W=95.04 , 100.0 , 108.89
A_2 = 2,5 ($a_2 - a_{2,n}$) Y
B_2 = 2,5 ($b_2 - b_{2,n}$) Y
$a_2 = a_{20}$ [($x - x_c$) / y]
$b_2 = b_{20} B_c$ [z / y]
a_{20} = 1, b_{20} = −0,4
x_c = 0,110, B_c = 0,800
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18$, x= log[Y_r]
Lichtart D65, Y_W=90.0 , Y_N=3.6



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	54.94	36.35	3.96	0.576	0.381	596	489	1.223	−0.034	0.683	55.1	28.4	62.0	27	2.01	66.7	67.4	67.4	64.8
Y_o	493_775	70.05	85.03	9.75	0.424	0.515	570	463	0.61	−0.036	0.311	−1.1	66.2	66.2	91	4.72	93.9	94.8	88.5	79.3
G_o	493_567	18.53	52.28	9.71	0.23	0.649	535	535o	0.184	−0.059	0.519	−56.3	37.7	67.8	146	2.9	77.4	78.2	76.5	71.6
C_o	380_567	34.01	57.24	97.96	0.179	0.302	489	596	0.23	−0.547	0.433	−55.1	−28.4	62.0	207	3.18	80.3	81.1	78.7	73.2
B_o	380_493	18.91	8.56	92.16	0.158	0.071	463	570	0.671	−3.444	3.096	1.1	−66.2	66.2	271	0.47	35.1	35.4	31.5	34.4
M_o	567_493	70.43	41.31	92.2	0.345	0.202	535c	535	1.161	−0.714	0.656	56.3	−37.7	67.8	326	2.29	70.3	71.1	70.6	67.2
W_d	380_775	85.53	90.0	98.0	0.312	0.329	90%		0.616	−0.348	0.01	0.0	0.0	0.0	0	4.99	95.9	96.9	90.0	80.1
N_d	380_775	3.42	3.6	3.92	0.312	0.329	3%		0.616	−0.348	0.01	0.0	0.0	0.0	180	0.19	22.3	22.5	9.9	19.8
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	184	1.0	49.5	50.0	50.0	50.0

fgc90−5a

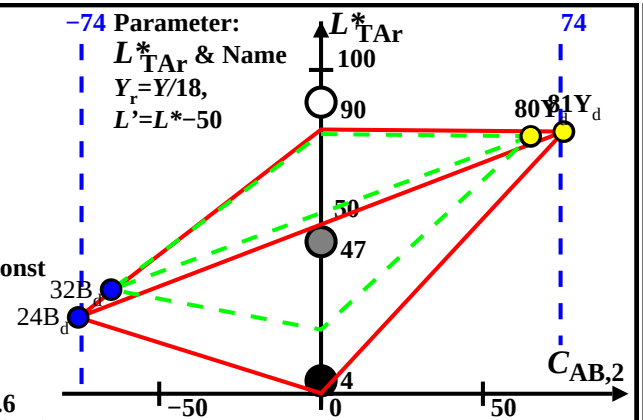
XYZ_W=96.42 , 100.0 , 82.49
A_2 = 2,5 ($a_2 - a_{2,n}$) Y
B_2 = 2,5 ($b_2 - b_{2,n}$) Y
$a_2 = a_{20}$ [($x - x_c$) / y]
$b_2 = b_{20} B_c$ [z / y]
a_{20} = 1, b_{20} = −0,4
x_c = 0,110, B_c = 1,000
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18$, x= log[Y_r]
Lichtart D50, Y_W=90.0 , Y_N=3.6



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	59.53	38.15	3.01	0.591	0.378	598	491	1.27	−0.031	0.681	58.4	28.4	65.0	25	2.11	68.1	68.8	68.6	65.7
Y_o	496_775	75.27	84.84	6.65	0.451	0.508	573	468	0.67	−0.031	0.299	2.8	63.3	63.4	87	4.71	93.8	94.7	88.5	79.3
G_o	496_570	19.2	50.29	6.61	0.252	0.66	538	538o	0.215	−0.052	0.521	−55.5	34.8	65.6	147	2.79	76.2	77.0	75.5	70.9
C_o	380_570	30.71	55.44	74.2	0.191	0.345	491	598	0.235	−0.535	0.469	−58.4	−28.4	65.0	205	3.08	79.2	80.0	77.9	72.6
B_o	380_496	14.97	8.75	70.56	0.158	0.092	468	573	0.526	−3.223	2.896	−2.8	−63.3	63.4	267	0.48	35.5	35.8	32.0	34.8
M_o	570_496	71.04	43.31	70.6	0.384	0.234	538c	538	1.17	−0.652	0.606	55.5	−34.8	65.6	327	2.4	71.7	72.4	71.8	68.1
W_d	380_775	86.78	90.0	74.24	0.345	0.358	90%		0.657	−0.329	0.01	0.0	0.0	0.0	0	4.99	95.9	96.9	90.0	80.1
N_d	380_775	3.47	3.6	2.96	0.345	0.358	3%		0.657	−0.329	0.01	0.0	0.0	0.0	181	0.19	22.3	22.5	10.0	19.8
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	186	1.0	49.5	50.0	50.0	50.0

fgc90−6a

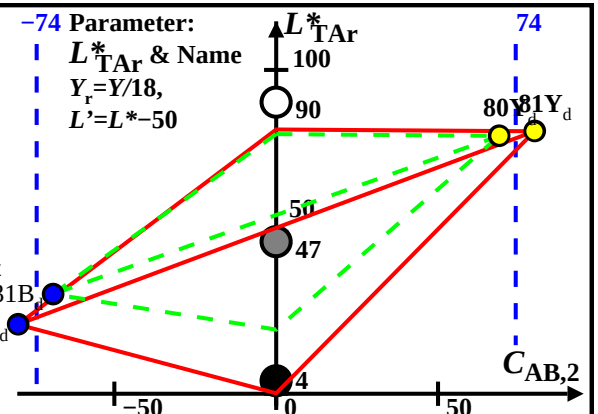
XYZ_W=100.93 , 100.0 , 64.68
A_2 = 2,5 ($a_2 - a_{2,n}$) Y
B_2 = 2,5 ($b_2 - b_{2,n}$) Y
$a_2 = a_{20}$ [($x - x_c$) / y]
$b_2 = b_{20} B_c$ [z / y]
a_{20} = 1, b_{20} = −0,4
x_c = 0,110, B_c = 1,300
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18$, x= log[Y_r]
Lichtart P40, Y_W=90.0 , Y_N=3.6



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	64.27	39.14	2.36	0.607	0.37	600	493	1.344	−0.031	0.697	61.4	29.8	68.2	25	2.17	68.8	69.5	69.3	66.2
Y_o	498_775	81.9	85.98	5.83	0.471	0.494	576	468	0.73	−0.035	0.301	2.8	64.7	64.7	87	4.77	94.3	95.2	88.8	79.5
G_o	498_573	21.25	50.43	5.79	0.274	0.65	540	540o	0.252	−0.059	0.54	−58.5	34.8	68.1	149	2.8	76.3	77.1	75.6	70.9
C_o	380_573	30.19	54.45	58.18	0.211	0.381	493	600	0.265	−0.555	0.501	−61.4	−29.8	68.2	205	3.02	78.7	79.5	77.5	72.3
B_o	380_498	12.57	7.61	54.71	0.167	0.101	468	576	0.568	−3.733	3.4	−2.8	−64.7	64.7	267	0.42	33.1	33.5	28.6	32.1
M_o	573_498	73.21	43.16	54.75	0.427	0.252	540c	540	1.26	−0.659	0.631	58.5	−34.8	68.1	329	2.39	71.6	72.3	71.7	68.1
W_d	380_775	90.83	90.0	58.22	0.379	0.376	90%		0.717	−0.336	0.01	0.0	0.0	0.0	0	4.99	95.9	96.9	90.0	80.1
N_d	380_775	3.63	3.6	2.32	0.379	0.376	3%		0.717	−0.336	0.01	0.0	0.0	0.0	180	0.19	22.3	22.5	9.9	19.8
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	169	1.0	49.5	50.0	50.0	50.0

fgc90−7a

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), $C_{AB,2}$=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=90.0 , Y_N=3.6



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	72.97	40.76	1.31	0.634	0.354	605	499	1.479	−0.032	0.727	66.3	32.9	74.0	26	2.26	70.0	70.7	70.3	67.0
Y_o	504_775	94.21	86.52	3.29	0.511	0.47	581	474	0.854	−0.038	0.318	5.7	68.7	68.9	85	4.8	94.5	95.4	89.0	79.6
G_o	504_579	25.19	49.36	3.26	0.323	0.634	547	547o	0.337	−0.066	0.57	−60.6	35.7	70.3	149	2.74	75.6	76.4	75.0	70.6
C_o	380_579	29.84	52.83	31.98	0.26	0.46	499	605	0.326	−0.605	0.561	−66.3	−32.9	74.0	206	2.93	77.7	78.5	76.7	71.8
B_o	380_504	8.6	7.07	30.0	0.188	0.154	474	581	0.505	−4.241	3.898	−5.7	−68.7	68.9	265	0.39	31.9	32.3	26.7	30.7
M_o	579_504	77.62	44.23	30.04	0.51	0.291	547c	547	1.376	−0.679	0.636	60.6	−35.7	70.3	329	2.45	72.3	73.1	72.3	68.5
W_d	380_775	98.86	89.99	32.02	0.447	0.407	90%		0.828	−0.355	0.01	0.0	0.0	0.0	0	4.99	95.9	96.9	90.0	80.1
N_d	380_775	3.95	3.59	1.28	0.447	0.407	3%		0.828	−0.355	0.01	0.0	0.0	0.0	181	0.19	22.3	22.5	9.9	19.8
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

fgc90−8a

fgc90−7R_R