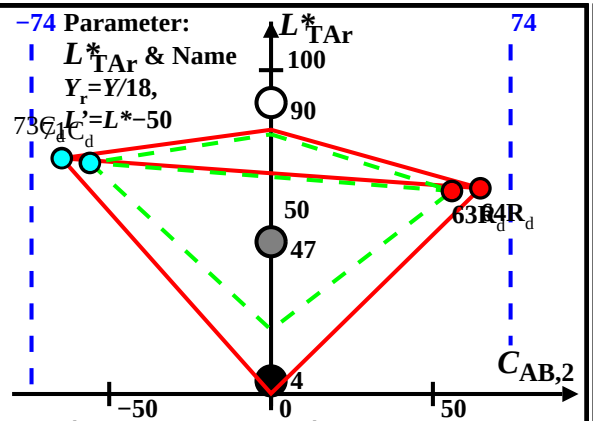
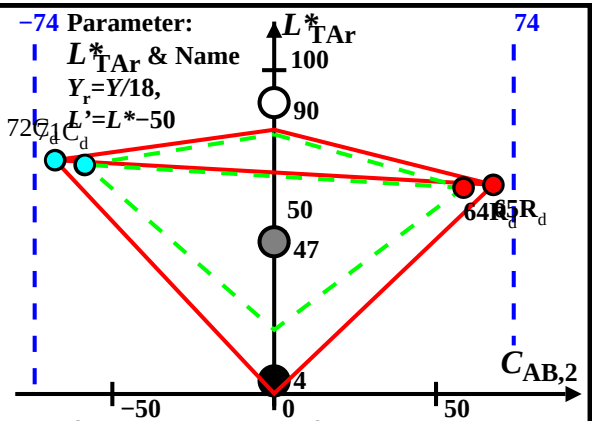
XYZ_W=95.04 , 100.0 , 108.89
A_2 = 2,5 ($a_2 - a_{2,n}$) Y
B_2 = 2,5 ($b_2 - b_{2,n}$) Y
$a_2 = a_{20}$ [($x - x_c$) / y]
$b_2 = b_{20} B_c$ [z / y]
a_{20} = 1, b_{20} = −0,4
x_c = 0,110, B_c = 0,800
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18$, $x=\log[Y_r]$
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	49.44	32.71	3.56	0.576	0.381	596	489	1.223	−0.034	0.683	49.6	25.6	55.8	27	1.81	63.9	64.5	64.8	62.6
Y_o	493_775	63.04	76.53	8.77	0.424	0.515	570	463	0.61	−0.036	0.311	−1.0	59.6	59.6	91	4.25	90.1	91.0	85.9	77.8
G_o	493_567	16.67	47.05	8.74	0.23	0.649	535	535c	0.184	−0.059	0.519	−50.7	33.9	61.0	146	2.61	74.2	74.9	73.8	69.7
C_o	380_567	30.61	51.52	88.16	0.179	0.302	489	596	0.23	−0.547	0.433	−49.6	−25.6	55.8	207	2.86	76.9	77.7	76.1	71.3
B_o	380_493	17.01	7.7	82.95	0.158	0.071	463	570	0.671	−3.444	3.096	1.0	−59.6	59.6	271	0.42	33.3	33.7	28.9	32.3
M_o	567_493	63.38	37.18	82.98	0.345	0.202	535c	535	1.161	−0.714	0.656	50.7	−33.9	61.0	326	2.06	67.4	68.0	68.0	65.2
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

fge90−5a

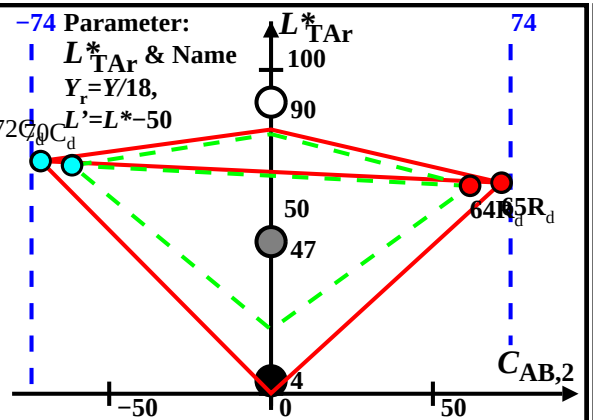
XYZ_W=96.42 , 100.0 , 82.49
A_2 = 2,5 ($a_2 - a_{2,n}$) Y
B_2 = 2,5 ($b_2 - b_{2,n}$) Y
$a_2 = a_{20}$ [($x - x_c$) / y]
$b_2 = b_{20} B_c$ [z / y]
a_{20} = 1, b_{20} = −0,4
x_c = 0,110, B_c = 1,000
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18$, $x=\log[Y_r]$
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	53.58	34.33	2.71	0.591	0.378	598	491	1.27	−0.031	0.681	52.5	25.6	58.5	25	1.9	65.2	65.8	66.0	63.6
Y_o	496_775	67.74	76.35	5.98	0.451	0.508	573	468	0.67	−0.031	0.299	2.5	57.0	57.0	87	4.24	90.0	90.9	85.9	77.8
G_o	496_570	17.28	45.26	5.95	0.252	0.66	538	538c	0.215	−0.052	0.521	−50.0	31.3	59.0	147	2.51	73.0	73.8	72.9	69.0
C_o	380_570	27.64	49.9	66.78	0.191	0.345	491	598	0.235	−0.535	0.469	−52.5	−25.6	58.5	205	2.77	76.0	76.7	75.3	70.7
B_o	380_496	13.48	7.88	63.5	0.158	0.092	468	573	0.526	−3.223	2.896	−2.5	−57.0	57.0	267	0.43	33.7	34.0	29.4	32.7
M_o	570_496	63.94	38.97	63.54	0.384	0.234	538c	538	1.17	−0.652	0.606	50.0	−31.3	59.0	327	2.16	68.7	69.4	69.2	66.1
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

fge90−6a

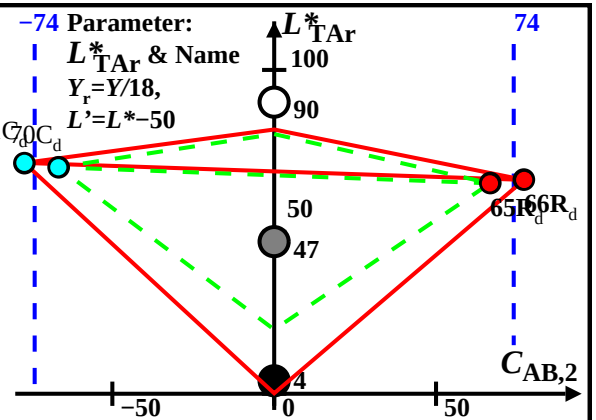
XYZ_W=100.93 , 100.0 , 64.68
A_2 = 2,5 ($a_2 - a_{2,n}$) Y
B_2 = 2,5 ($b_2 - b_{2,n}$) Y
$a_2 = a_{20}$ [($x - x_c$) / y]
$b_2 = b_{20} B_c$ [z / y]
a_{20} = 1, b_{20} = −0,4
x_c = 0,110, B_c = 1,300
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TAr})
$L^*_{TAr}=50 + 50[e^x+e^{-x}]/[e^x+e^x]$
$Y_r=Y/18$, $x=\log[Y_r]$
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	57.85	35.23	2.13	0.607	0.37	600	493	1.344	−0.031	0.697	55.2	26.8	61.4	25	1.95	65.9	66.5	66.6	64.1
Y_o	498_775	73.71	77.38	5.25	0.471	0.494	576	468	0.73	−0.035	0.301	2.5	58.2	58.3	87	4.29	90.4	91.4	86.2	78.0
G_o	498_573	19.12	45.39	5.21	0.274	0.65	540	540c	0.252	−0.059	0.54	−52.7	31.3	61.3	149	2.52	73.1	73.8	72.9	69.0
C_o	380_573	27.17	49.0	52.36	0.211	0.381	493	600	0.265	−0.555	0.501	−55.2	−26.8	61.4	205	2.72	75.4	76.2	74.8	70.4
B_o	380_498	11.31	6.85	49.24	0.167	0.101	468	576	0.568	−3.733	3.4	−2.5	−58.2	58.3	267	0.38	31.4	31.8	26.0	30.1
M_o	573_498	65.89	38.84	49.27	0.427	0.252	540c	540	1.26	−0.659	0.631	52.7	−31.3	61.3	329	2.15	68.6	69.3	69.1	66.1
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

fge90−7a

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	65.67	36.68	1.18	0.634	0.354	605	499	1.479	−0.032	0.727	59.7	29.6	66.6	26	2.03	67.0	67.7	67.6	64.9
Y_o	504_775	84.79	77.87	2.96	0.511	0.47	581	474	0.854	−0.038	0.318	5.1	61.8	62.0	85	4.32	90.7	91.6	86.4	78.1
G_o	504_579	22.67	44.42	2.93	0.323	0.634	547	547c	0.337	−0.066	0.57	−54.5	32.1	63.3	149	2.46	72.5	73.2	72.4	68.6
C_o	380_579	26.86	47.55	28.79	0.26	0.46	499	605	0.326	−0.605	0.561	−59.7	−29.6	66.6	206	2.64	74.5	75.2	74.1	69.9
B_o	380_504	7.74	6.36	27.0	0.188	0.154	474	581	0.505	−4.241	3.898	−5.1	−61.8	62.0	265	0.35	30.3	30.6	24.1	28.8
M_o	579_504	69.85	39.81	27.03	0.51	0.291	547c	547	1.376	−0.679	0.636	54.5	−32.1	63.3	329	2.21	69.3	70.0	69.7	66.5
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

fge90−8a

fge90−7R_R