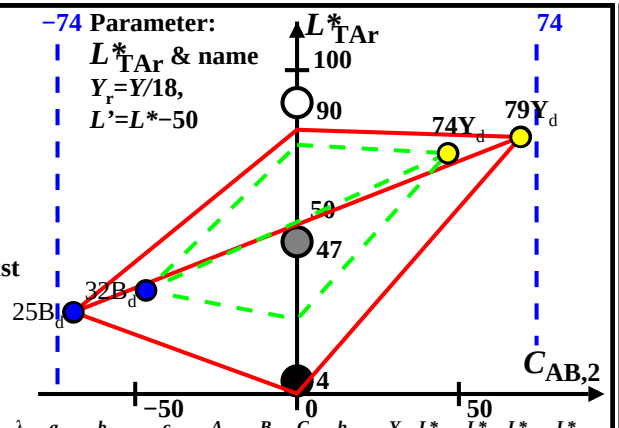
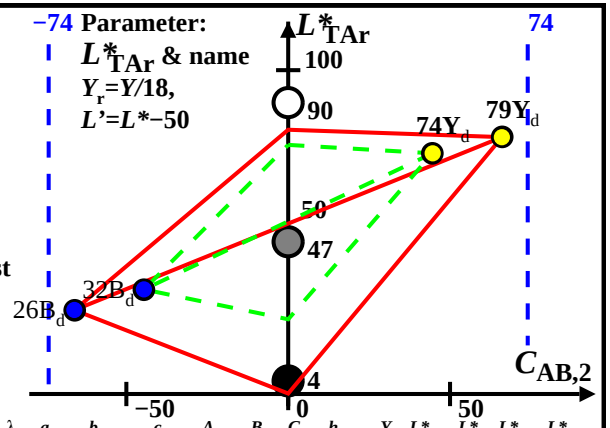
XYZ_W=95.04 , 100.0 , 108.89
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}800$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o), $C_{AB,2}$=const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



Name	Range	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	40.07	27.07	4.43	0.559	0.378	596	489	1.189	−0.052	0.645	38.7	20.0	43.6	27	1.5	59.0	59.6	60.1	58.7
Y_o	493_775	50.69	61.31	8.51	0.42	0.508	570	463	0.61	−0.044	0.304	−0.8	46.6	46.6	91	3.4	82.5	83.3	80.4	74.3
G_o	493_567	14.47	38.28	8.48	0.236	0.625	535	535c	0.202	−0.07	0.498	−39.6	26.5	47.7	146	2.12	68.2	68.9	68.7	65.8
C_o	380_567	25.36	41.77	70.53	0.184	0.303	489	596	0.244	−0.54	0.418	−38.7	−20.0	43.6	207	2.32	70.7	71.4	70.9	67.5
B_o	380_493	14.73	7.53	66.45	0.166	0.084	463	570	0.66	−2.82	2.472	0.8	−46.6	46.6	271	0.41	33.0	33.3	28.3	31.9
M_o	567_493	50.96	30.56	66.48	0.344	0.206	535c	535	1.134	−0.696	0.624	39.6	−26.5	47.7	326	1.69	62.1	62.7	63.1	61.3
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

fed91−1a

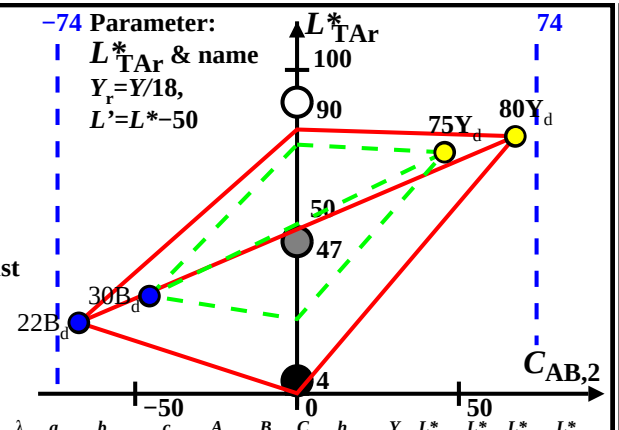
XYZ_W=96.42 , 100.0 , 82.49
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}000$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o), $C_{AB,2}$=const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



Name	Range	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	43.32	28.34	3.37	0.577	0.377	598	491	1.237	−0.047	0.645	41.0	20.0	45.7	25	1.57	60.2	60.8	61.2	59.7
Y_o	496_775	54.39	61.17	5.93	0.447	0.503	573	468	0.67	−0.038	0.291	2.0	44.5	44.5	87	3.39	82.4	83.3	80.4	74.3
G_o	496_570	14.96	36.87	5.9	0.259	0.638	538	538c	0.233	−0.064	0.5	−39.0	24.5	46.1	147	2.04	67.1	67.8	67.8	65.0
C_o	380_570	23.06	40.5	53.42	0.197	0.346	491	598	0.251	−0.527	0.451	−41.0	−20.0	45.7	205	2.25	69.8	70.5	70.1	66.9
B_o	380_496	11.99	7.67	50.86	0.17	0.108	468	573	0.552	−2.65	2.323	−2.0	−44.5	44.5	267	0.42	33.3	33.6	28.8	32.2
M_o	570_496	51.41	31.97	50.89	0.382	0.238	538c	538	1.146	−0.636	0.577	39.0	−24.5	46.1	327	1.77	63.3	63.9	64.2	62.2
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

fed91−2a

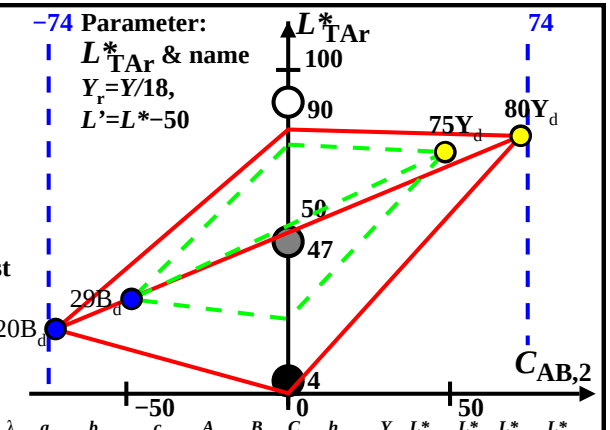
XYZ_W=100.93 , 100.0 , 64.68
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}300$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o), $C_{AB,2}$=const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



Name	Range	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	46.72	29.04	2.64	0.595	0.37	600	493	1.311	−0.047	0.661	43.1	20.9	48.0	25	1.61	60.8	61.4	61.8	60.2
Y_o	498_775	59.11	61.97	5.08	0.468	0.491	576	468	0.729	−0.042	0.294	1.9	45.5	45.5	87	3.44	82.9	83.7	80.7	74.5
G_o	498_573	16.47	36.97	5.05	0.281	0.631	540	540c	0.271	−0.071	0.518	−41.1	24.5	47.9	149	2.05	67.2	67.9	67.8	65.1
C_o	380_573	22.76	39.8	41.89	0.217	0.381	493	600	0.283	−0.547	0.482	−43.1	−20.9	48.0	205	2.21	69.3	70.0	69.7	66.5
B_o	380_498	10.37	6.87	39.45	0.182	0.121	468	576	0.601	−2.983	2.649	−1.9	−45.5	45.5	267	0.38	31.5	31.8	26.0	30.2
M_o	573_498	53.01	31.87	39.47	0.426	0.256	540c	540	1.234	−0.644	0.601	41.1	−24.5	47.9	329	1.77	63.2	63.8	64.1	62.1
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

fed91−3a

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



Name	Range	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	52.97	30.18	1.46	0.626	0.356	605	499	1.446	−0.048	0.69	46.6	23.1	52.0	26	1.67	61.8	62.4	62.8	61.0
Y_o	504_775	67.91	62.35	2.86	0.51	0.468	581	474	0.854	−0.045	0.311	4.0	48.3	48.4	85	3.46	83.1	83.9	80.8	74.6
G_o	504_579	19.38	36.22	2.83	0.331	0.619	547	547c	0.357	−0.078	0.546	−42.6	25.1	49.4	149	2.01	66.6	67.3	67.3	64.7
C_o	380_579	22.65	38.66	23.03	0.268	0.458	499	605	0.345	−0.595	0.539	−46.6	−23.1	52.0	206	2.14	68.5	69.2	69.0	66.0
B_o	380_504	7.71	6.49	21.63	0.215	0.181	474	581	0.581	−3.332	2.986	−4.0	−48.3	48.4	265	0.36	30.6	30.9	24.6	29.2
M_o	579_504	56.24	32.62	21.66	0.508	0.295	547c	547	1.351	−0.664	0.606	42.6	−25.1	49.4	329	1.81	63.8	64.5	64.7	62.6
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

fed91−4a

fed90−7R_R