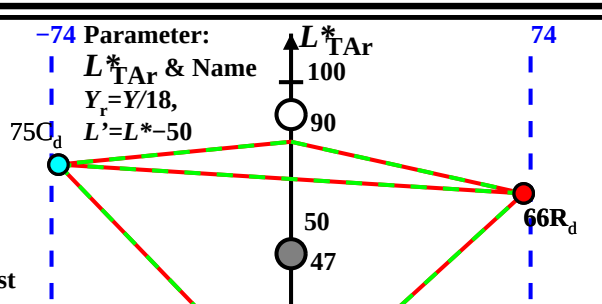
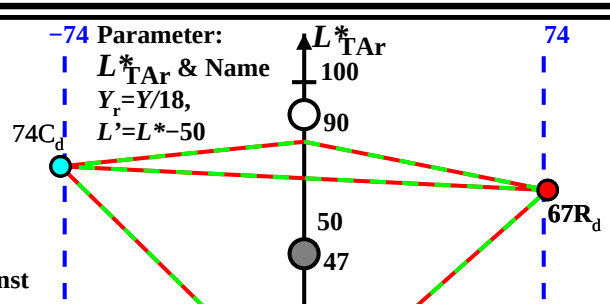
XYZ_W=95.04 , 100.0 , 108.89
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (x - x_c)\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}800$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
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=100.0 , Y_N=0.1



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	59.63	37.91	0.05	0.61	0.388	596	489	1.289	0.0	0.758	63.8	32.9	71.8	27	2.1	67.9	68.6	68.5	65.6
Y_o	493_775	77.11	94.25	6.76	0.432	0.529	570	463	0.61	−0.022	0.325	−1.3	76.7	76.7	91	5.23	97.7	98.7	91.1	80.8
G_o	493_567	17.49	56.35	6.71	0.217	0.699	535	535c	0.153	−0.038	0.557	−65.2	43.7	78.5	146	3.13	79.8	80.6	78.3	72.9
C_o	380_567	35.41	62.09	108.84	0.171	0.3	489	596	0.204	−0.56	0.463	−63.8	−32.9	71.8	207	3.44	82.9	83.8	80.7	74.5
B_o	380_493	17.93	5.75	102.14	0.142	0.045	463	570	0.711	−5.681	5.334	1.3	−76.7	76.7	271	0.31	28.7	29.0	21.6	27.0
M_o	567_493	77.55	43.65	102.18	0.347	0.195	535c	535	1.213	−0.749	0.719	65.2	−43.7	78.5	326	2.42	72.0	72.7	72.0	68.3
W_d	380_775	95.04	100.0	108.89	0.312	0.329	100%		0.616	−0.348	0.01	0.0	0.0	0.0	0	5.55	100.0	101.0	92.6	81.5
N_d	380_775	0.0	0.01	0.01	0.311	0.327	0%		0.615	−0.348	0.01	0.0	0.0	0.0	180	0.0	0.0	0.0	−136.2	0.1
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	185	1.0	49.5	50.0	50.0	50.0

fge90−1a

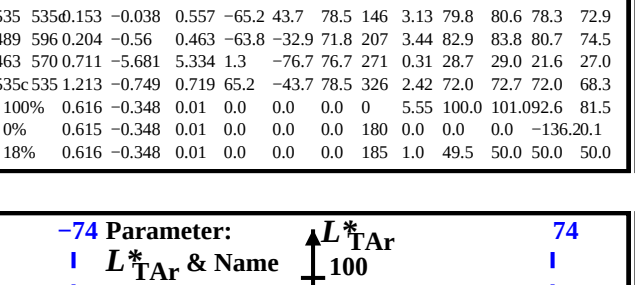
XYZ_W=96.42 , 100.0 , 82.49
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (x - x_c)\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}000$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
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=100.0 , Y_N=0.1



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	64.89	39.99	0.05	0.618	0.381	598	491	1.333	0.0	0.752	67.6	32.9	75.2	25	2.22	69.4	70.1	69.8	66.6
Y_o	496_775	83.1	94.03	4.27	0.458	0.518	573	468	0.671	−0.018	0.312	3.3	73.3	73.3	87	5.22	97.6	98.6	91.0	80.7
G_o	496_570	18.21	54.04	4.22	0.238	0.706	538	538c	0.181	−0.031	0.562	−64.3	40.3	75.9	147	3.0	78.4	79.2	77.3	72.2
C_o	380_570	31.53	60.01	82.44	0.181	0.344	491	598	0.206	−0.549	0.501	−67.6	−32.9	75.2	205	3.33	81.8	82.6	79.9	73.9
B_o	380_496	13.32	5.97	78.23	0.136	0.061	468	573	0.434	−5.235	4.91	−3.3	−73.3	73.3	267	0.33	29.3	29.6	22.6	27.7
M_o	570_496	78.21	45.96	78.28	0.386	0.227	538c	538	1.217	−0.681	0.66	64.3	−40.3	75.9	327	2.55	73.5	74.2	73.3	69.3
W_d	380_775	96.42	100.0	82.49	0.345	0.358	100%		0.657	−0.329	0.01	0.0	0.0	0.0	0	5.55	100.0	101.0	92.6	81.5
N_d	380_775	0.0	0.01	0.0	0.344	0.357	0%		0.656	−0.329	0.01	0.0	0.0	0.0	180	0.0	0.0	0.0	−136.2	0.1
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	180	1.0	49.5	50.0	50.0	50.0

fge90−2a

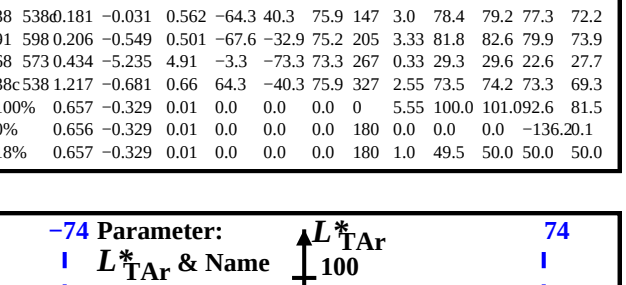
XYZ_W=100.93 , 100.0 , 64.68
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (x - x_c)\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}300$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
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=100.0 , Y_N=0.1



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	70.19	41.14	0.05	0.63	0.369	600	493	1.408	0.0	0.768	71.0	34.5	79.0	25	2.28	70.2	70.9	70.5	67.2
Y_o	498_775	90.58	95.34	4.06	0.476	0.501	576	468	0.73	−0.022	0.314	3.2	74.8	74.9	87	5.29	98.1	99.1	91.4	80.9
G_o	498_573	20.4	54.21	4.02	0.259	0.689	540	540c	0.216	−0.038	0.582	−67.8	40.3	78.9	149	3.01	78.5	79.3	77.4	72.2
C_o	380_573	30.74	58.86	64.64	0.199	0.381	493	600	0.234	−0.571	0.537	−71.0	−34.5	79.0	205	3.27	81.2	82.0	79.4	73.6
B_o	380_498	10.35	4.66	60.62	0.136	0.061	468	576	0.435	−6.762	6.432	−3.2	−74.8	74.9	267	0.25	25.7	26.0	16.4	23.6
M_o	573_498	80.53	45.79	60.67	0.43	0.244	540c	540	1.309	−0.688	0.689	67.8	−40.3	78.9	329	2.54	73.4	74.1	73.2	69.2
W_d	380_775	100.93	100.0	64.68	0.379	0.376	100%		0.717	−0.336	0.01	0.0	0.0	0.0	0	5.55	100.0	101.0	92.6	81.5
N_d	380_775	0.01	0.01	0.0	0.378	0.375	0%		0.716	−0.336	0.01	0.0	0.0	0.0	180	0.0	0.0	0.0	−136.2	0.1
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	166	1.0	49.5	50.0	50.0	50.0

fge90−3a

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=100.0 , Y_N=0.1



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	79.88	43.01	0.04	0.649	0.349	605	499	1.542	−0.001	0.797	76.7	38.1	85.7	26	2.38	71.5	72.2	71.6	68.0
Y_o	504_775	104.4	99.97	2.33	0.515	0.473	581	474	0.856	−0.024	0.332	6.6	79.5	79.8	85	5.33	98.4	99.4	91.5	81.0
G_o	504_579	24.59	52.96	2.29	0.307	0.663	547	547c	0.298	−0.043	0.615	−70.1	41.3	81.4	149	2.94	77.8	78.6	76.8	71.8
C_o	380_579	29.97	56.99	35.54	0.244	0.465	499	605	0.289	−0.623	0.601	−76.7	−38.1	85.7	206	3.16	80.1	80.9	78.6	73.1
B_o	380_504	5.38	4.03	33.24	0.126	0.094	474	581	0.172	−8.246	7.917	−6.6	−79.5	79.8	265	0.22	23.7	24.0	12.8	21.4
M_o	579_504	85.26	47.04	33.28	0.514	0.284	547c	547	1.425	−0.707	0.692	70.1	−41.3	81.4	329	2.61	74.2	74.9	73.8	69.7
W_d	380_775	109.84	99.99	35.58	0.447	0.407	100%		0.828	−0.355	0.01	0.0	0.0	0.0	0	5.55	100.0	101.0	92.6	81.5
N_d	380_775	0.01	0.0	0.0	0.445	0.405	0%		0.827	−0.355	0.01	0.0	0.0	0.0	180	0.0	0.0	0.0	−136.2	0.1
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

fge90−4a

fge90−7R_R