

%Gamut

$u^*_{rel} = 94$

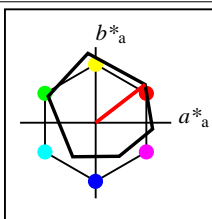
%Regularity

$g^*_{H,rel} = 58$

$g^*_{C,rel} = 54$

ORS18

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	47.94	65.31	52.07	83.53	39
$Y_M$	90.37	-11.15	96.17	96.82	97
$L_M$	50.9	-62.96	36.71	72.89	150
$C_M$	58.62	-30.62	-42.74	52.59	234
$V_M$	25.72	31.45	-44.35	54.38	305
$M_M$	48.13	75.2	-6.79	75.51	354
$N_M$	18.01	0.5	-0.46	0.69	317
$W_M$	95.41	-0.98	4.76	4.86	102
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272



%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18a; adapted CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	47.94	65.39	50.52	82.63	38
$Y_{Ma}$	90.37	-10.26	91.75	92.32	96
$L_{Ma}$	50.9	-62.83	34.96	71.91	151
$C_{Ma}$	58.62	-30.34	-45.01	54.3	236
$V_{Ma}$	25.72	31.1	-44.4	54.22	305
$M_{Ma}$	48.13	75.28	-8.36	75.74	354
$N_{Ma}$	18.01	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.66	26.98	64.57	25
$J_{CIE}$	81.26	-2.16	67.76	67.79	92
$G_{CIE}$	52.23	-42.25	11.76	43.87	164
$B_{CIE}$	30.57	1.15	-46.84	46.86	271

n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	$XYZ_{RGB}$	$RGB'sRGB$	$RGB'_{AdobeRGB}$	
0	ORS18a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 0.198 0.198	
1	ORS18a	b28r	0.0	0.0	1.0	0.822	0.5	1.0	0.847	0.0	0.0	25.72 54.22 305	31.1 -44.4	7.14 4.65 21.44	0.215 0.14	0.081 0.053 0.242	0.271 0.192 0.537	0.259 0.205 0.523	
2	ORS18a	j84g	0.0	1.0	0.0	0.461	0.5	1.0	0.419	0.0	0.0	50.9 71.91 151	-62.83 34.96	8.72 19.18 7.07	0.249 0.548	0.098 0.217 0.08	-0.691 0.596 0.237	0.259 0.591 0.271	
3	ORS18a	g67b	0.0	1.0	1.0	0.669	0.5	1.0	0.656	0.0	0.0	58.62 54.3 236	-30.34 -45.01	18.79 26.62 71.32	0.161 0.228	0.212 0.3	0.805 -2.27 0.659	0.907 -0.143 0.653	0.895
4	ORS18a	r18j	1.0	0.0	0.0	0.047	0.5	1.0	0.105	0.0	0.0	47.94 82.63 38	65.39 50.52	30.15 16.75 2.9	0.605 0.336	0.34 0.189 0.033	0.904 0.177 0.128	0.779 0.191 0.15	
5	ORS18a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.982	0.0	0.0	48.13 75.74 354	75.28 -8.36	33.08 16.9 22.9	0.454 0.232	0.373 0.191 0.258	0.9 0.077 0.542	0.772 0.102 0.527	
6	ORS18a	j05g	1.0	1.0	0.0	0.264	0.5	1.0	0.268	0.0	0.0	90.37 92.32 96	-10.26 91.75	68.47 77.1 10.48	0.439 0.494	0.773 0.87 0.118	1.046 0.949 -0.122	1.02 0.948 0.195	
7	ORS18a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0	

adapted CIELAB ( $a^*_a, b^*_a$ ) chroma diagram  
System: ORS18a

$$\begin{aligned}L^*_{a,m} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,m} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,m} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,m} &= [(a^*_{a,m})^2 + (b^*_{a,m})^2]^{1/2} \\ H^*_{a,m} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.5 \\ \beta &= 0.5\end{aligned}$$

C Cyan blue

$LCH^*_{a,C} = 58.6 \ 54.3 \ 236$

$LAB^*_{a,C} = 58.6 \ -30.2 \ -44.9$

Mean CIELAB

$LCH^*_{a,m} = 42.17 \ 44.72 \ 270$

$LAB^*_{a,m} = 42.17 \ 0.38 \ -44.71$

S Standard

$LCH^*_{a,s} = 42.17 \ 44.72 \ 270$

$LAB^*_{a,s} = 42.17 \ 0.84 \ -99.99$

V Violet blue

$LCH^*_{a,V} = 25.7 \ 54.2 \ 305$

$LAB^*_{a,V} = 25.7 \ 31.1 \ -44.3$

adapted CIELAB data for the two hue angles of C and V; data  $LAB^*_a LCH^*_a LAB^*_a LAB^*_a$

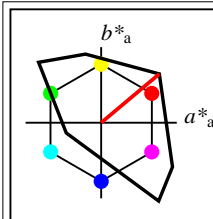
YE050-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: ORS18, page 1/24

BAM-test chart YE05; Colorimetry for colours M of: ORS18

Device CIELAB data for C, V and mean CIELAB m; page 1/24

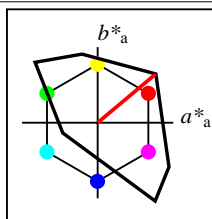
input:  $olv^* setrgbcolor$

output:  $olv^* setrgbcolor / w^* setgray$



%Gamut  
 $u^*_{rel} = 158$   
%Regularity  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

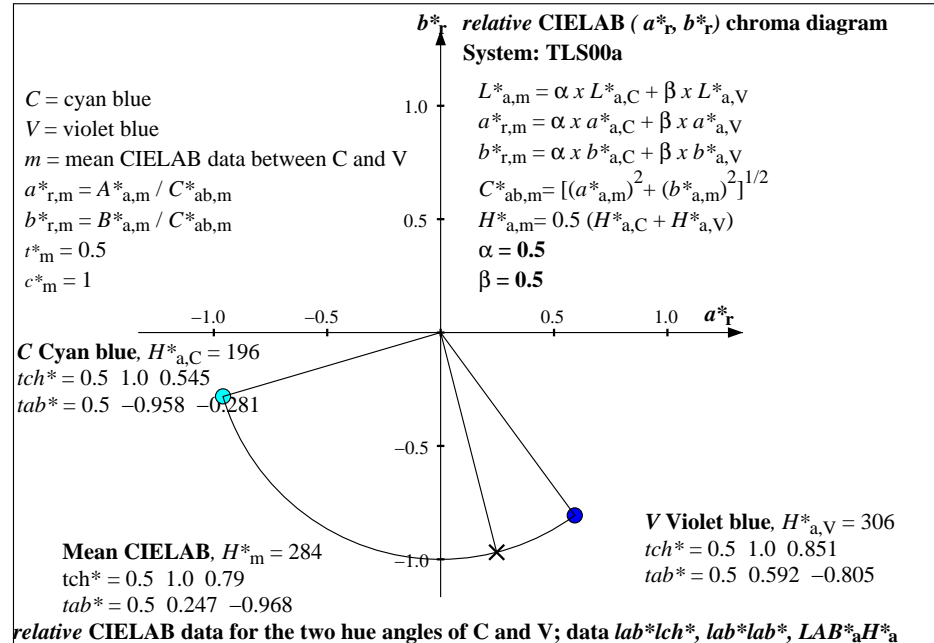
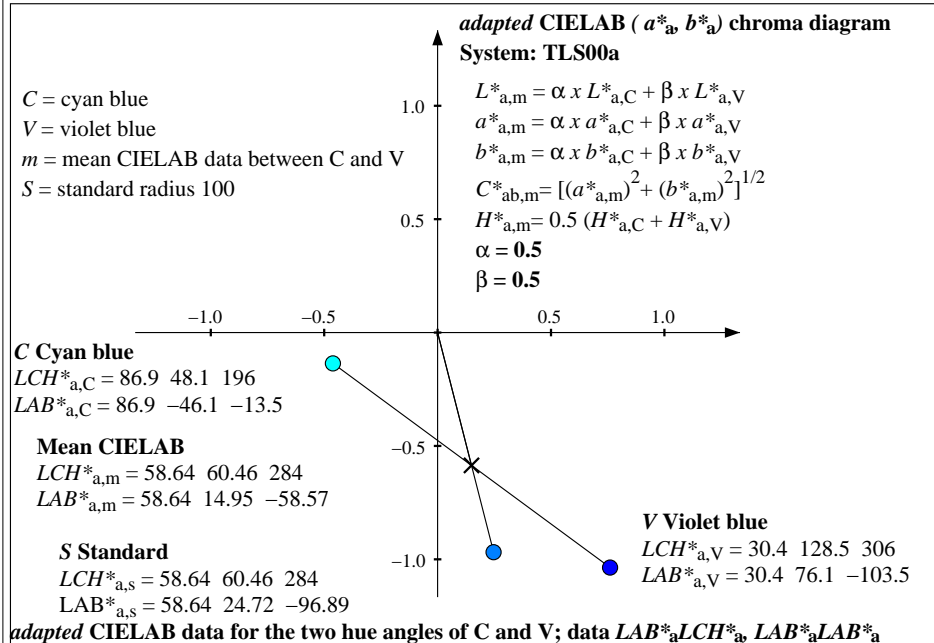
TLS000					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	50.5	76.92	64.55	100.42	40
Y <sub>M</sub>	92.66	-20.69	90.75	93.08	103
L <sub>M</sub>	83.63	-82.75	79.9	115.04	136
C <sub>M</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>M</sub>	30.39	76.06	-103.59	128.52	306
M <sub>M</sub>	57.3	94.35	-58.41	110.97	328
N <sub>M</sub>	0.01	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

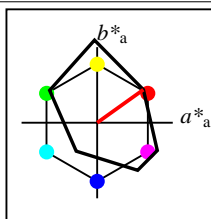


%Gamut  
 $u^*_{rel} = 158$   
%Regularity  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

TLS000a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

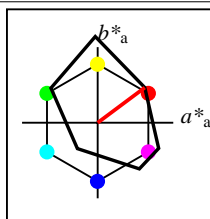
n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	$XYZ^*_{RGB}$	$RGB^*_{sRGB}$	$RGB^*_{AdobeRGB}$
0	TLS00a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.01 0.0 0	0.0 0.0	0.0 0.0 0.0	0.328 0.322	0.0 0.0 0.0	0.0 0.0 0.0	0.006 0.006 0.006
1	TLS00a	b29r	0.0	0.0	1.0	0.825	0.5	1.0	0.851	0.0	0.0	30.39 128.52 306	76.06 -103.59	15.99 6.4 84.22	0.15 0.06	0.18 0.072 0.951	0.0 0.001 1.0	-0.008 0.005 0.981
2	TLS00a	j62g	0.0	1.0	0.0	0.406	0.5	1.0	0.378	0.0	0.0	83.63 115.04 136	-82.75 79.9	31.68 63.36 10.56	0.3 0.6	0.358 0.715 0.119	0.002 1.0 0.0	0.565 1.0 0.234
3	TLS00a	g31b	0.0	1.0	1.0	0.578	0.5	1.0	0.545	0.0	0.0	86.88 48.12 196	-46.16 -13.55	47.68 69.76 94.76	0.225 0.329	0.538 0.787 1.07	0.003 1.0 1.0	0.565 1.0 1.0
4	TLS00a	r22j	1.0	0.0	0.0	0.056	0.5	1.0	0.111	0.0	0.0	50.5 100.42 40	76.92 64.55	36.54 18.84 1.71	0.64 0.33	0.412 0.213 0.019	1.0 0.003 0.0	0.859 -0.002 -0.003
5	TLS00a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.912	0.0	0.0	57.3 110.97 328	94.35 -58.41	52.52 25.23 85.91	0.321 0.154	0.593 0.285 0.97	1.0 0.003 1.0	0.859 -0.008 0.981
6	TLS00a	j15g	1.0	1.0	0.0	0.289	0.5	1.0	0.286	0.0	0.0	92.66 93.08 103	-20.69 90.75	68.22 82.19 12.27	0.419 0.505	0.77 0.928 0.138	1.0 1.0 0.0	1.0 1.0 0.234
7	TLS00a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut  
 $u^*_{rel} = 114$   
%Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 43$

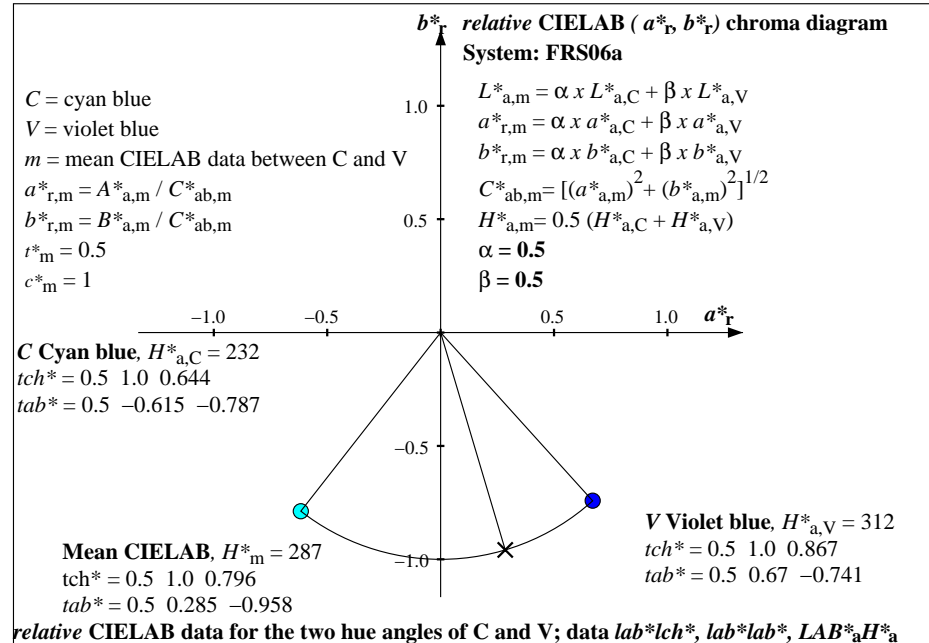
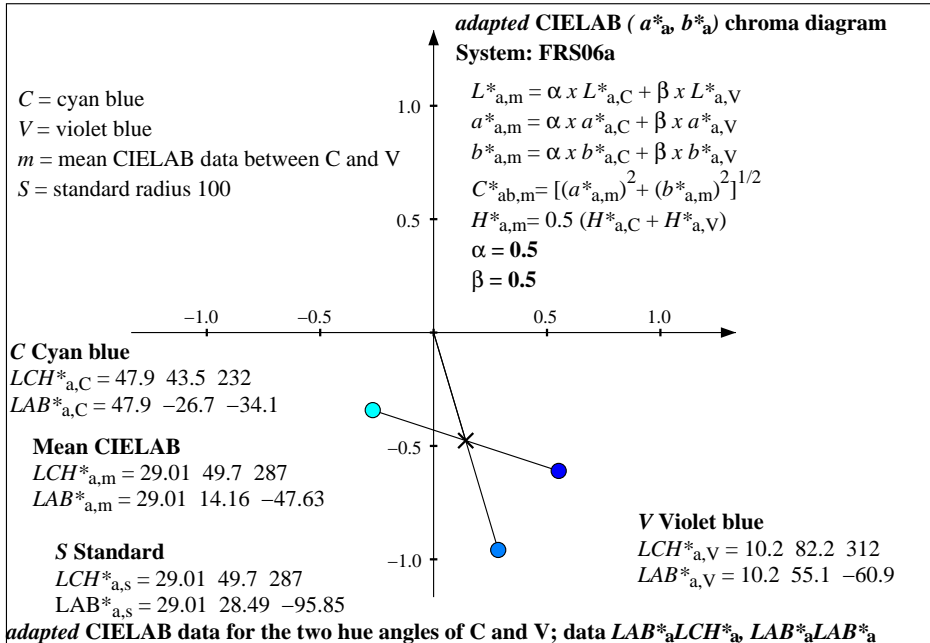
FRS06					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	32.57	61.14	43.72	75.16	36
$Y_M$	82.73	-3.5	109.24	109.3	92
$L_M$	39.43	-62.86	42.8	76.06	146
$C_M$	47.86	-27.72	-37.61	46.74	234
$V_M$	10.16	53.56	-62.91	82.63	310
$M_M$	34.5	79.53	-36.76	87.62	335
$N_M$	6.25	-1.62	-1.72	2.38	227
$W_M$	91.97	-0.17	-5.1	5.11	268
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

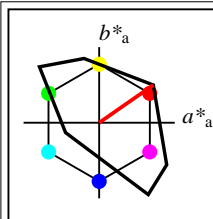


%Gamut  
 $u^*_{rel} = 115$   
%Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$

FRS06a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	32.57	62.32	46.49	77.75	37
$Y_{Ma}$	82.73	-3.16	113.99	114.03	92
$L_{Ma}$	39.43	-61.79	45.84	76.95	143
$C_{Ma}$	47.86	-26.79	-34.24	43.49	232
$V_{Ma}$	10.16	55.12	-61.03	82.24	312
$M_{Ma}$	34.5	80.68	-33.92	87.52	337
$N_{Ma}$	6.25	0.0	0.0	0.0	0
$W_{Ma}$	91.97	0.0	0.0	0.0	0
$R_{CIE}$	39.92	59.8	31.05	67.38	27
$J_{CIE}$	81.26	-2.52	76.25	76.29	92
$G_{CIE}$	52.23	-41.56	17.14	44.96	158
$B_{CIE}$	30.57	2.63	-43.77	43.86	273

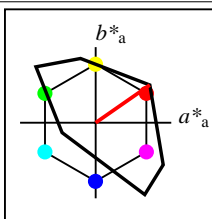
n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	$XYZ_{RGB}$	$RGB'_{sRGB}$	$RGB'_{AdobeRGB}$
0	FRS06a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	6.25 0.0 0	0.0 0.0	0.66 0.69 0.75	0.313 0.329	0.007 0.008 0.009	0.085 0.085 0.085	0.11 0.11 0.11
1	FRS06a	b35r	0.0	0.0	1.0	0.839	0.5	1.0	0.867	0.0	0.0	10.16 82.24 312	55.12 -61.03	3.6 1.15 16.28	0.171 0.055	0.041 0.013 0.184	0.152 -0.095 0.477	0.135 -0.107 0.465
2	FRS06a	j72g	0.0	1.0	0.0	0.431	0.5	1.0	0.398	0.0	0.0	39.43 76.95 143	-61.79 45.84	4.23 10.91 1.67	0.251 0.649	0.048 0.123 0.019	-0.57 0.468 -0.031	0.174 0.465 0.092
3	FRS06a	g63b	0.0	1.0	1.0	0.658	0.5	1.0	0.644	0.0	0.0	47.86 43.49 232	-26.79 -34.24	11.66 16.68 40.95	0.168 0.241	0.132 0.188 0.462	-1.205 0.532 0.707	0.071 0.527 0.695
4	FRS06a	r17j	1.0	0.0	0.0	0.044	0.5	1.0	0.102	0.0	0.0	32.57 77.75 37	62.32 46.49	15.25 7.34 0.68	0.655 0.316	0.172 0.083 0.008	0.685 -0.141 0.01	0.58 -0.128 0.023
5	FRS06a	b57r	1.0	0.0	1.0	0.894	0.5	1.0	0.937	0.0	0.0	34.5 87.52 337	80.68 -33.92	20.19 8.25 24.11	0.384 0.157	0.228 0.093 0.272	0.708 -0.449 0.567	0.595 -0.217 0.55
6	FRS06a	j00g	1.0	1.0	0.0	0.25	0.5	1.0	0.254	0.0	0.0	82.73 114.03 92	-3.16 113.98	57.3 61.65 2.42	0.472 0.508	0.647 0.696 0.027	1.005 0.843 -0.994	0.962 0.839 -0.245
7	FRS06a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	1.0	91.97 0.0 0	0.0 0.0	76.65 80.64 87.81	0.313 0.329	0.865 0.91 0.991	0.959 0.96 0.959	0.958 0.958 0.958





%Gamut  
 $u^*_{rel} = 118$   
%Regularity  
 $g^*_{H,rel} = 22$   
 $g^*_{C,rel} = 40$

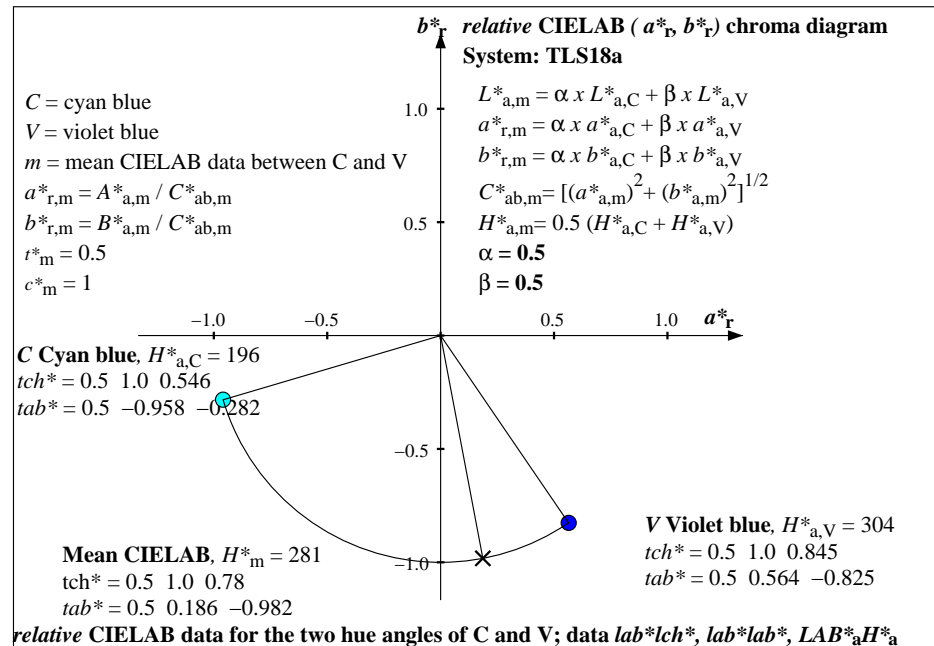
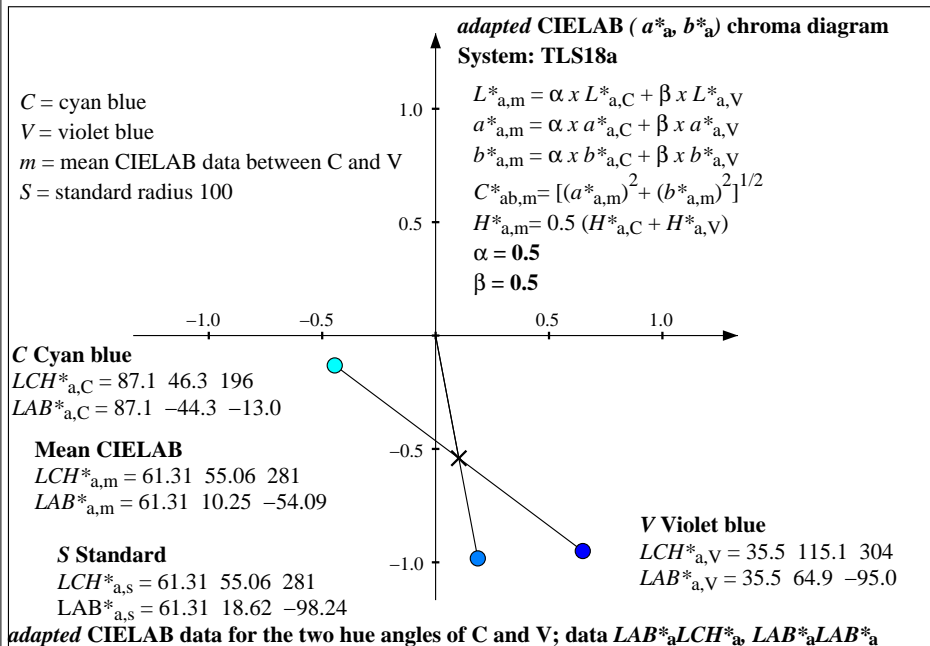
TLS18					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	52.76	71.63	49.88	87.29	35
$Y_M$	92.74	-20.02	84.97	87.3	103
$L_M$	84.0	-78.98	73.94	108.2	137
$C_M$	87.14	-44.41	-13.11	46.32	196
$V_M$	35.47	64.92	-95.06	115.12	304
$M_M$	59.01	89.33	-55.67	105.26	328
$N_M$	18.01	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

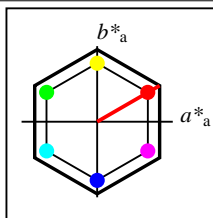


%Gamut  
 $u^*_{rel} = 118$   
%Regularity  
 $g^*_{H,rel} = 22$   
 $g^*_{C,rel} = 40$

TLS18a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	52.76	71.63	49.88	87.29	35
$Y_{Ma}$	92.74	-20.02	84.97	87.3	103
$L_{Ma}$	84.0	-78.98	73.94	108.2	137
$C_{Ma}$	87.14	-44.41	-13.11	46.32	196
$V_{Ma}$	35.47	64.92	-95.06	115.12	304
$M_{Ma}$	59.01	89.33	-55.67	105.26	328
$N_{Ma}$	18.01	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	$XYZ^*_{RGB}$	$RGB^*_{sRGB}$	$RGB^*_{AdobeRGB}$
0	TLS18a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 0.198 0.198
1	TLS18a	b28r	0.0	0.0	1.0	0.822	0.5	1.0	0.845	0.0	0.0	35.47 115.12 304	64.92 -95.06	17.93 8.74 84.54	0.161 0.079	0.202 0.099 0.954	0.185 0.185 1.0	0.199 0.198 0.981
2	TLS18a	j64g	0.0	1.0	0.0	0.411	0.5	1.0	0.38	0.0	0.0	84.0 108.2 137	-78.98 73.94	33.18 64.07 13.0	0.301 0.581	0.374 0.723 0.147	0.186 1.0 0.184	0.583 1.0 0.295
3	TLS18a	g31b	0.0	1.0	1.0	0.578	0.5	1.0	0.546	0.0	0.0	87.14 46.32 196	-44.41 -13.11	48.72 70.29 94.77	0.228 0.329	0.55 0.793 1.07	0.187 1.0 1.0	0.583 1.0 1.0
4	TLS18a	r14j	1.0	0.0	0.0	0.036	0.5	1.0	0.097	0.0	0.0	52.76 87.29 35	71.63 49.88	37.9 20.83 4.41	0.6 0.33	0.428 0.235 0.05	1.0 0.185 0.184	0.863 0.198 0.198
5	TLS18a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.911	0.0	0.0	59.01 105.26 328	89.33 -55.67	53.43 27.04 86.2	0.321 0.162	0.603 0.305 0.973	1.0 0.185 1.0	0.863 0.198 0.981
6	TLS18a	j15g	1.0	1.0	0.0	0.289	0.5	1.0	0.287	0.0	0.0	92.74 87.3 103	-20.02 84.97	68.68 82.37 14.66	0.414 0.497	0.775 0.93 0.166	1.0 1.0 0.184	1.0 1.0 0.295
7	TLS18a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

u\*<sub>rel</sub> = 152

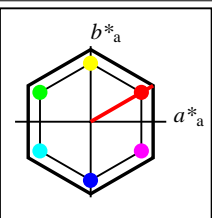
%Regularity

g\*<sub>H,rel</sub> = 100

g\*<sub>C,rel</sub> = 100

NLS00

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	31.81	82.62	47.7	95.4	30
Y <sub>M</sub>	63.61	0.0	95.4	95.4	90
L <sub>M</sub>	31.81	-82.61	47.7	95.4	150
C <sub>M</sub>	63.61	-82.61	-47.69	95.4	210
V <sub>M</sub>	31.81	0.0	-95.39	95.4	270
M <sub>M</sub>	63.61	82.62	-47.69	95.4	330
N <sub>M</sub>	0.01	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 152

%Regularity

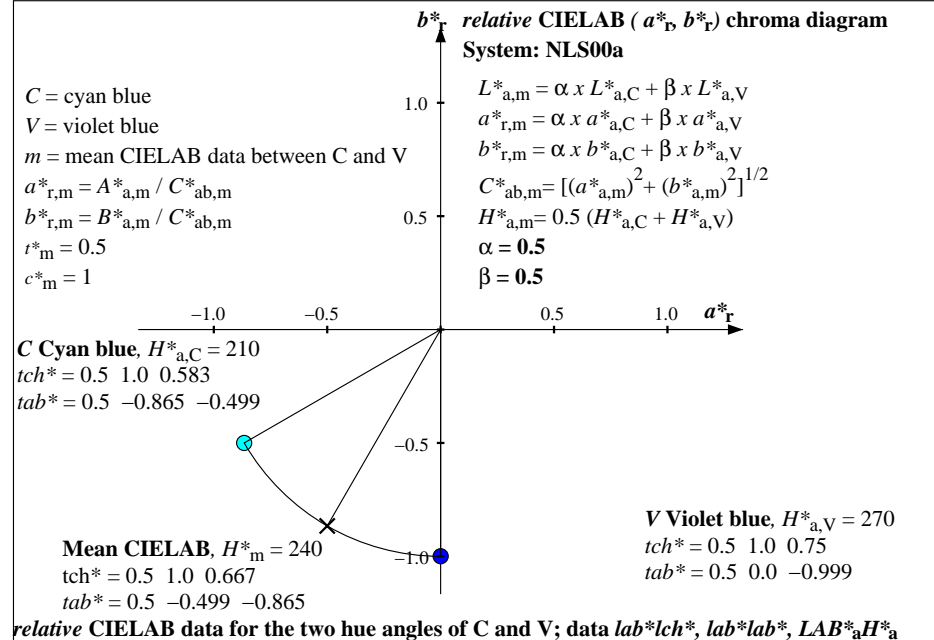
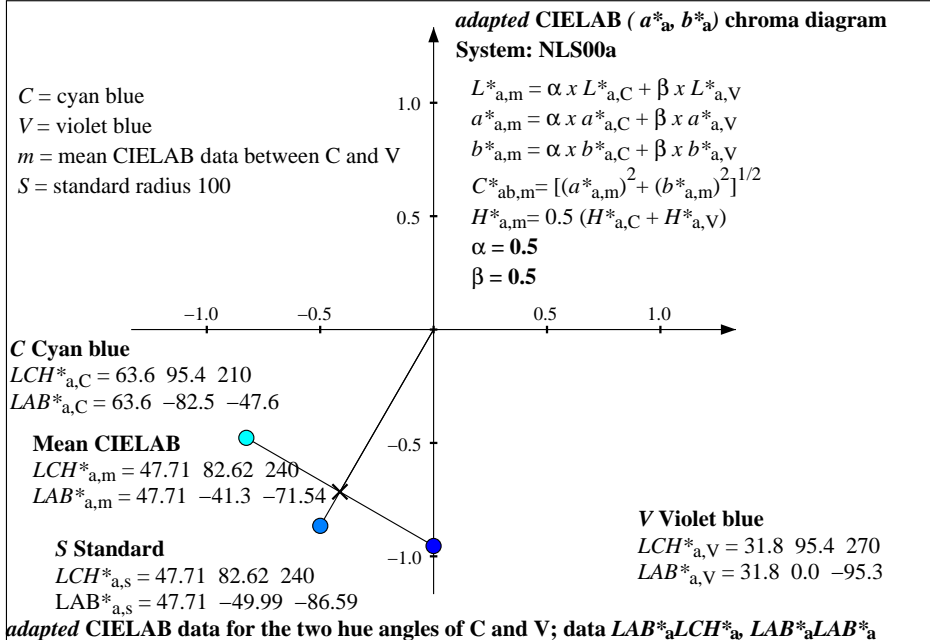
g\*<sub>H,rel</sub> = 100

g\*<sub>C,rel</sub> = 100

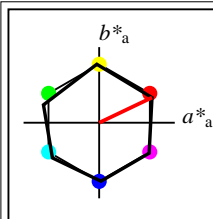
NLS00a; adapted CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	31.81	82.62	47.7	95.4	30
Y <sub>Ma</sub>	63.61	0.0	95.4	95.4	90
L <sub>Ma</sub>	31.81	-82.61	47.7	95.4	150
C <sub>Ma</sub>	63.61	-82.61	-47.69	95.4	210
V <sub>Ma</sub>	31.81	0.0	-95.39	95.4	270
M <sub>Ma</sub>	63.61	82.62	-47.69	95.4	330
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ* <sub>a,CIE</sub>	xy* <sub>a,CIE</sub>	XYZ* <sub>RGB</sub>	RGB* <sub>sRGB</sub>	RGB* <sub>AdobeRGB</sub>													
0	NLS00a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.01	0.0	0	0.0	0.328	0.322	0.0	0.0	0.0	0.0	0.006	0.006	0.006							
1	NLS00a	g98b	0.0	0.0	1.0	0.747	0.5	1.0	0.75	0.0	0.0	31.81	95.4	270	0.0	-95.39	6.65	7.0	76.55	0.074	0.078	0.075	0.079	0.864	-3.99	0.368	0.955	-0.468	0.369	0.938	
2	NLS00a	j82g	0.0	1.0	0.0	0.456	0.5	1.0	0.417	0.0	0.0	31.81	95.4	150	-82.61	47.7	1.43	7.0	0.5	0.16	0.784	0.016	0.079	0.006	-0.929	0.4	-0.119	-0.141	0.399	-0.075	
3	NLS00a	g43b	0.0	1.0	1.0	0.608	0.5	1.0	0.583	0.0	0.0	63.61	95.4	210	-82.61	-47.69	13.45	32.32	86.13	0.102	0.245	0.152	0.365	0.972	-7.153	0.784	0.983	-0.513	0.779	0.975	
4	NLS00a	r06j	1.0	0.0	0.0	0.017	0.5	1.0	0.083	0.0	0.0	31.81	95.4	30	82.62	47.7	18.3	7.0	0.5	0.709	0.271	0.207	0.079	0.006	0.764	-0.665	0.017	0.64	-0.259	-0.039	
5	NLS00a	b51r	1.0	0.0	1.0	0.878	0.5	1.0	0.917	0.0	0.0	63.61	95.4	330	82.62	-47.69	58.69	32.32	86.13	0.331	0.182	0.662	0.365	0.972	1.043	0.319	0.996	0.909	0.322	0.978	
6	NLS00a	r96j	1.0	1.0	0.0	0.242	0.5	1.0	0.25	0.0	0.0	63.61	95.4	90	0.0	95.4	30.72	32.32	1.0	0.48	0.505	0.347	0.365	0.011	0.772	0.625	-0.557	0.728	0.619	-0.193	
7	NLS00a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.59	96.48	0.313	0.329	0.95	1.0	1.089	1.0	1.0	1.0	1.0	1.0	1.0	



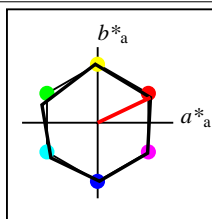




%Gamut  
 $u^*_{rel} = 100$

%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

NRS18					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	56.71	69.87	33.29	77.4	25
$Y_M$	56.71	-3.1	77.34	77.4	92
$L_M$	56.71	-73.68	23.63	77.39	162
$C_M$	56.71	-61.81	-46.54	77.39	217
$V_M$	56.71	2.35	-77.34	77.39	272
$M_M$	56.71	66.07	-40.3	77.4	329
$N_M$	18.01	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

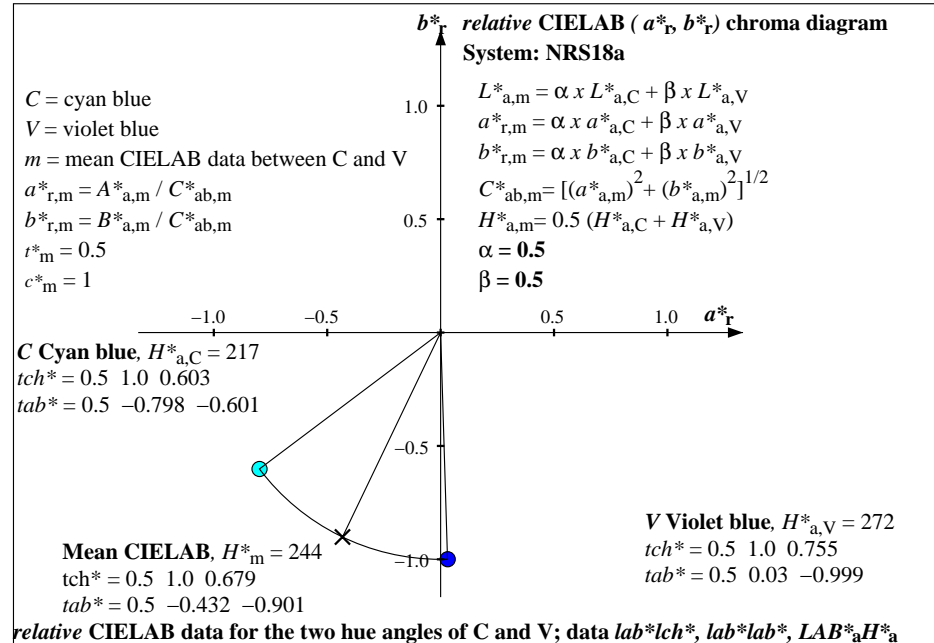
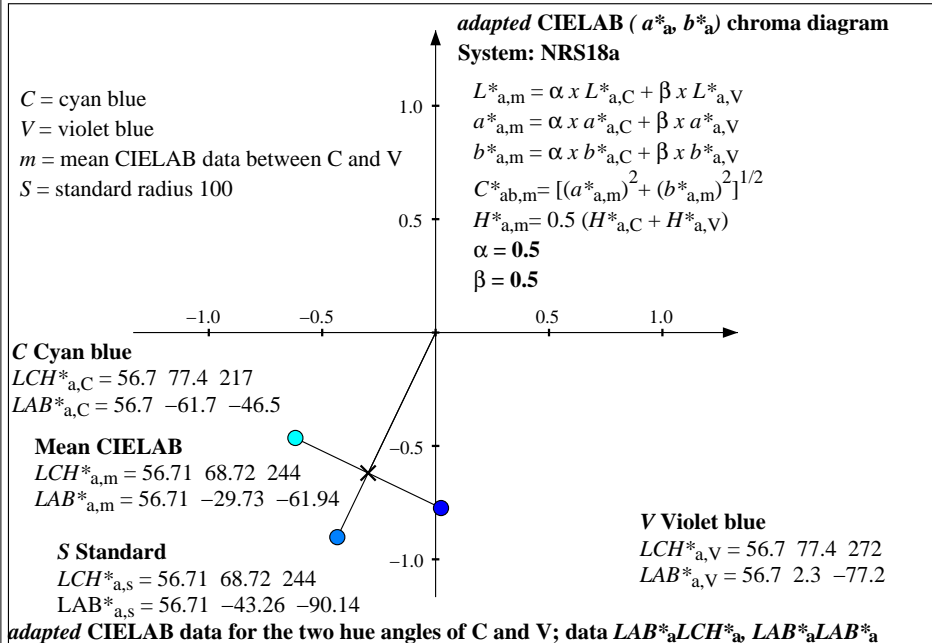


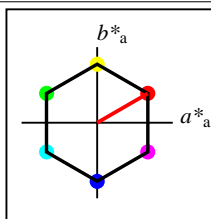
%Gamut  
 $u^*_{rel} = 100$

%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

NRS18a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	56.71	69.87	33.29	77.4	25
$Y_{Ma}$	56.71	-3.1	77.34	77.4	92
$L_{Ma}$	56.71	-73.68	23.63	77.39	162
$C_{Ma}$	56.71	-61.81	-46.54	77.39	217
$V_{Ma}$	56.71	2.35	-77.34	77.39	272
$M_{Ma}$	56.71	66.07	-40.3	77.4	329
$N_{Ma}$	18.01	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	$XYZ_{RGB}$	$RGB'_{sRGB}$	$RGB'_{AdobeRGB}$
0	NRS18a r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 0.198 0.198
1	NRS18a b00r	0.0	0.0	1.0	0.75	0.5	1.0	0.755	0.0	0.0	0.0	56.71 77.39 272	2.35 -77.34	23.94 24.63 113.39	0.148 0.152	0.27 0.278 1.28	-2.452 0.595 1.126	-0.247 0.589 1.115
2	NRS18a g00b	0.0	1.0	0.0	0.5	0.5	1.0	0.451	0.0	0.0	0.0	56.71 77.39 162	-73.68 23.63	10.47 24.63 14.33	0.212 0.498	0.118 0.278 0.162	-1.612 0.675 0.382	0.198 0.669 0.399
3	NRS18a g50b	0.0	1.0	1.0	0.625	0.5	1.0	0.603	0.0	0.0	0.0	56.71 77.39 217	-61.81 -46.54	12.11 24.63 69.16	0.114 0.233	0.137 0.278 0.781	-4.826 0.681 0.894	-0.417 0.675 0.883
4	NRS18a r00j	1.0	0.0	0.0	1.0	0.5	1.0	0.071	0.0	0.0	0.0	56.71 77.4 25	69.87 33.29	42.81 24.63 10.62	0.548 0.315	0.483 0.278 0.12	1.034 0.268 0.344	0.897 0.274 0.343
5	NRS18a b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.913	0.0	0.0	0.0	56.71 77.4 329	66.07 -40.3	41.55 24.63 61.9	0.324 0.192	0.469 0.278 0.699	0.878 0.343 0.859	0.768 0.344 0.841
6	NRS18a j00g	1.0	1.0	0.0	0.25	0.5	1.0	0.256	0.0	0.0	0.0	56.71 77.4 92	-3.1 77.34	22.72 24.63 1.51	0.465 0.504	0.256 0.278 0.017	0.662 0.56 -0.315	0.629 0.555 -0.134
7	NRS18a r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

u\*<sub>rel</sub> = 100

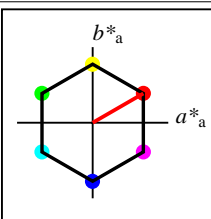
%Regularity

g\*<sub>H,rel</sub> = 100

g\*<sub>C,rel</sub> = 100

SRS18

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	56.71	67.03	38.7	77.4	30
Y <sub>M</sub>	56.71	0.0	77.4	77.4	90
L <sub>M</sub>	56.71	-67.02	38.7	77.4	150
C <sub>M</sub>	56.71	-67.02	-38.69	77.4	210
V <sub>M</sub>	56.71	0.0	-77.39	77.4	270
M <sub>M</sub>	56.71	67.03	-38.69	77.4	330
N <sub>M</sub>	18.01	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 100

%Regularity

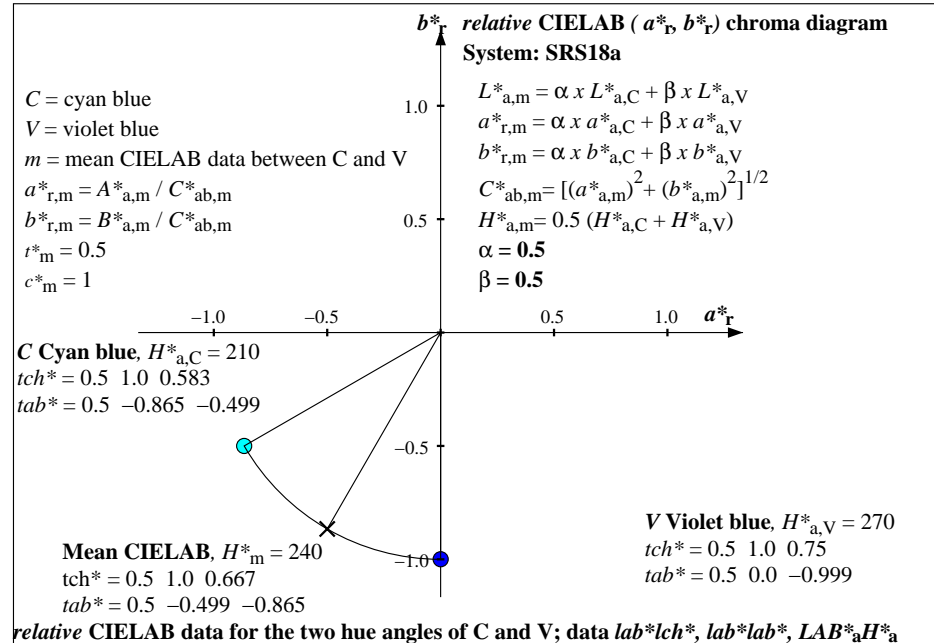
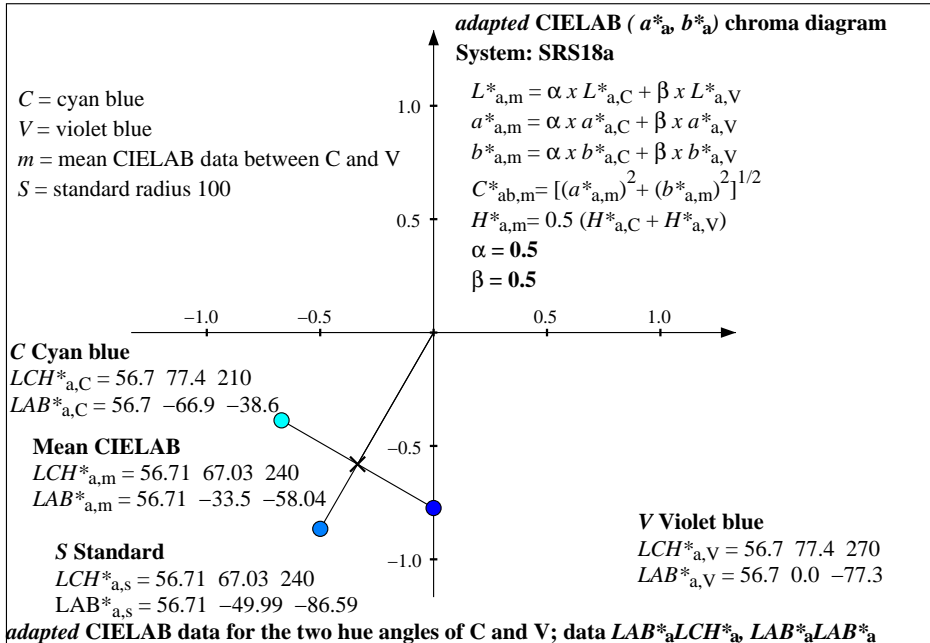
g\*<sub>H,rel</sub> = 100

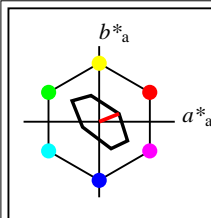
g\*<sub>C,rel</sub> = 100

SRS18a; adapted CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	56.71	67.03	38.7	77.4	30
Y <sub>Ma</sub>	56.71	0.0	77.4	77.4	90
L <sub>Ma</sub>	56.71	-67.02	38.7	77.4	150
C <sub>Ma</sub>	56.71	-67.02	-38.69	77.4	210
V <sub>Ma</sub>	56.71	0.0	-77.39	77.4	270
M <sub>Ma</sub>	56.71	67.03	-38.69	77.4	330
N <sub>Ma</sub>	18.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ <sub>a,CIE</sub>	xy <sub>a,CIE</sub>	XYZ <sub>RGB</sub>	RGB'sRGB	RGB'AdobeRGB
0	SRS18a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 0.198 0.198
1	SRS18a	g98b	0.0	0.0	1.0	0.747	0.5	1.0	0.75	0.0	0.0	56.71 77.4 270	0.0 -77.39	23.41 24.63 113.47	0.145 0.152	0.264 0.278 1.281	-2.708 0.6 1.126	-0.275 0.594 1.115
2	SRS18a	j82g	0.0	1.0	0.0	0.456	0.5	1.0	0.417	0.0	0.0	56.71 77.4 150	-67.02 38.7	11.37 24.63 8.86	0.254 0.549	0.128 0.278 0.1	-0.79 0.666 0.263	0.299 0.66 0.299
3	SRS18a	g43b	0.0	1.0	1.0	0.608	0.5	1.0	0.583	0.0	0.0	56.71 77.4 210	-67.02 -38.69	11.37 24.63 60.11	0.118 0.256	0.128 0.278 0.678	-4.516 0.684 0.837	-0.393 0.678 0.826
4	SRS18a	r06j	1.0	0.0	0.0	0.017	0.5	1.0	0.083	0.0	0.0	56.71 77.4 30	67.03 38.7	41.87 24.63 8.86	0.556 0.327	0.473 0.278 0.1	1.023 0.289 0.304	0.89 0.294 0.308
5	SRS18a	b51r	1.0	0.0	1.0	0.878	0.5	1.0	0.917	0.0	0.0	56.71 77.4 330	67.03 -38.69	41.87 24.63 60.11	0.331 0.195	0.473 0.278 0.678	0.889 0.335 0.847	0.777 0.337 0.829
6	SRS18a	r96j	1.0	1.0	0.0	0.242	0.5	1.0	0.25	0.0	0.0	56.71 77.4 90	0.0 77.4	23.41 24.63 1.5	0.473 0.497	0.264 0.278 0.017	0.68 0.553 -0.31	0.641 0.548 -0.134
7	SRS18a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

$u^*_{rel} = 16$

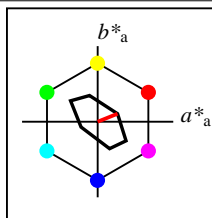
%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

**TLS70**

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	76.43	26.27	10.57	28.32	22
$Y_M$	93.93	-10.76	34.63	36.27	107
$L_M$	89.32	-35.8	27.64	45.24	142
$C_M$	90.93	-21.95	-7.07	23.07	198
$V_M$	72.1	15.76	-35.63	38.97	294
$M_M$	78.5	37.52	-25.23	45.22	326
$N_M$	69.7	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272



%Gamut

$u^*_{rel} = 16$

%Regularity

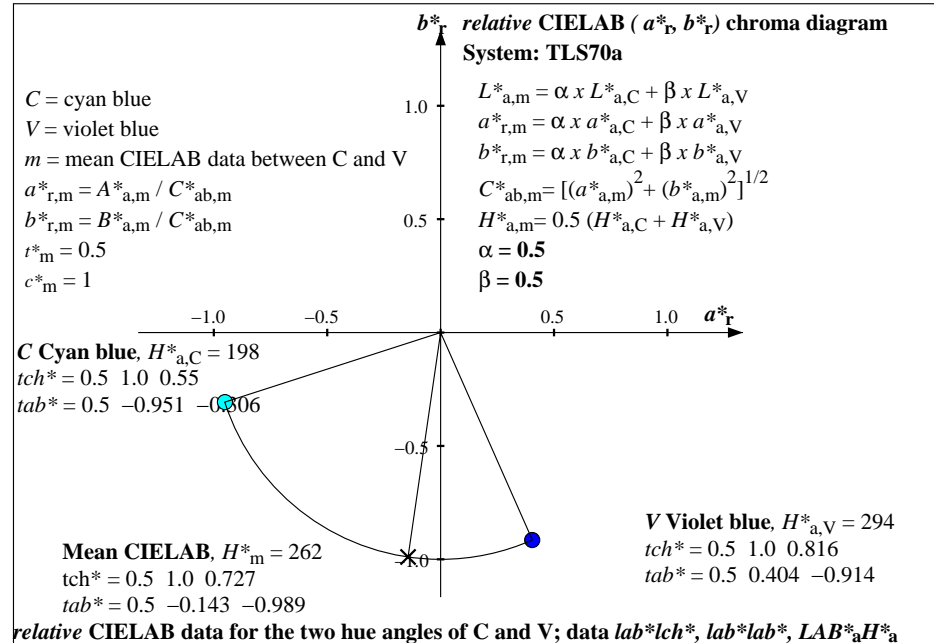
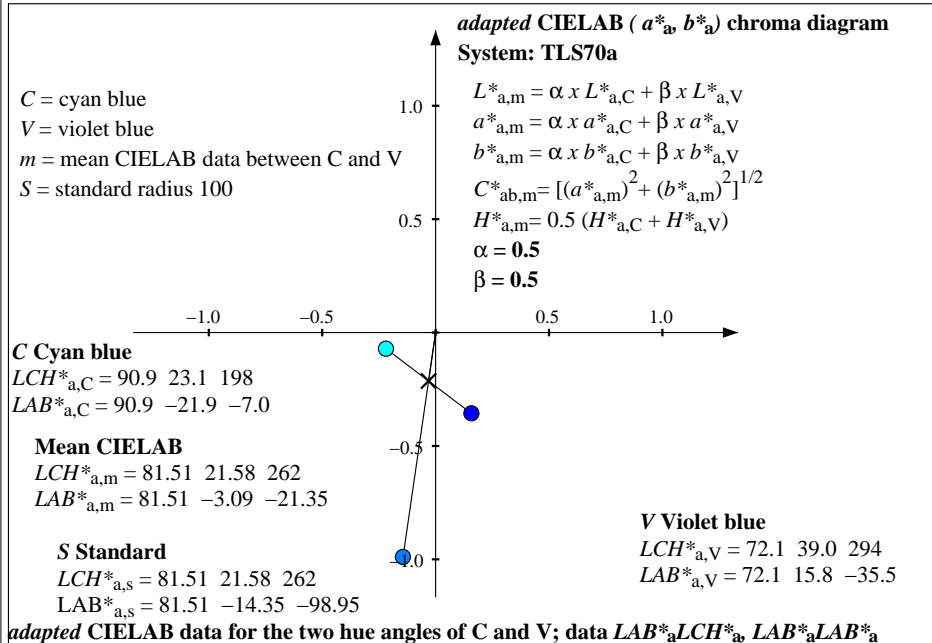
$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

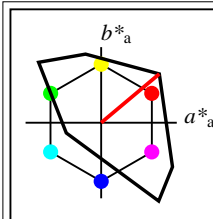
**TLS70a; adapted CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	76.43	26.27	10.57	28.32	22
$Y_{Ma}$	93.93	-10.76	34.63	36.27	107
$L_{Ma}$	89.32	-35.8	27.64	45.24	142
$C_{Ma}$	90.93	-21.95	-7.07	23.07	198
$V_{Ma}$	72.1	15.76	-35.63	38.97	294
$M_{Ma}$	78.5	37.52	-25.23	45.22	326
$N_{Ma}$	69.7	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ* <sub>a,CIE</sub>	xy* <sub>a,CIE</sub>	XYZ* <sub>RGB</sub>	RGB* <sub>sRGB</sub>	RGB* <sub>AdobeRGB</sub>													
0	TLS70a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	69.7	0.0	0	0.0	0.0	0.433	0.455	0.496	0.705	0.705	0.705	0.699	0.699	0.699						
1	TLS70a	b20r	0.0	0.0	1.0	0.8	0.5	1.0	0.816	0.0	0.0	72.1	38.97	294	15.76	-35.63	47.04	43.81	89.78	0.26	0.243	0.531	0.494	1.013	0.705	0.705	1.0	0.699	0.699	0.99	
2	TLS70a	j71g	0.0	1.0	0.0	0.428	0.5	1.0	0.395	0.0	0.0	89.32	45.24	142	-35.8	27.64	55.6	74.84	49.66	0.309	0.416	0.628	0.845	0.561	0.705	1.0	0.705	0.799	1.0	0.715	
3	TLS70a	g32b	0.0	1.0	1.0	0.581	0.5	1.0	0.55	0.0	0.0	90.93	23.07	198	-21.95	-7.07	64.31	78.33	95.51	0.27	0.329	0.726	0.884	1.078	0.705	1.0	1.0	0.799	1.0	1.0	
4	TLS70a	b96r	1.0	0.0	0.0	0.992	0.5	1.0	0.061	0.0	0.0	76.43	28.32	22	26.27	10.57	58.24	50.59	44.84	0.379	0.329	0.657	0.571	0.506	1.0	0.705	0.705	0.926	0.699	0.699	
5	TLS70a	b47r	1.0	0.0	1.0	0.869	0.5	1.0	0.906	0.0	0.0	78.5	45.22	326	37.52	-25.23	66.94	54.07	90.7	0.316	0.255	0.756	0.61	1.024	1.0	0.705	1.0	0.926	0.699	0.99	
6	TLS70a	j21g	1.0	1.0	0.0	0.303	0.5	1.0	0.298	0.0	0.0	93.93	36.27	107	-10.76	34.63	75.5	85.11	50.6	0.357	0.403	0.852	0.961	0.571	1.0	1.0	0.705	1.0	1.0	0.715	
7	TLS70a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.59	96.48	0.313	0.329	0.95	1.0	1.089	1.0	1.0	1.0	1.0	1.0	1.0	







%Gamut

u\*<sub>rel</sub> = 158

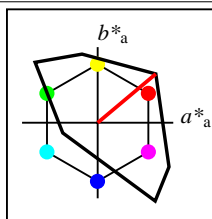
%Regularity

g\*<sub>H,rel</sub> = 20

g\*<sub>C,rel</sub> = 37

TLS000

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	50.5	76.91	64.55	100.41	40
Y <sub>M</sub>	92.66	-20.67	90.75	93.08	103
L <sub>M</sub>	83.62	-82.73	79.9	115.02	136
C <sub>M</sub>	86.88	-46.14	-13.53	48.1	196
V <sub>M</sub>	30.39	76.06	-103.59	128.52	306
M <sub>M</sub>	57.31	94.35	-58.39	110.96	328
N <sub>M</sub>	0.01	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 158

%Regularity

g\*<sub>H,rel</sub> = 20

g\*<sub>C,rel</sub> = 37

TLS00a; adapted CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	50.5	76.91	64.55	100.41	40
Y <sub>Ma</sub>	92.66	-20.67	90.75	93.08	103
L <sub>Ma</sub>	83.62	-82.73	79.9	115.02	136
C <sub>Ma</sub>	86.88	-46.14	-13.53	48.1	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.31	94.35	-58.39	110.96	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>			a*b* <sub>a,CIE</sub>		XYZ <sub>a,CIE</sub>		xy <sub>a,CIE</sub>		XYZ <sub>RGB</sub>		RGB'sRGB			RGB'AdobeRGB					
0	TLS00a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.01	0.0	0	0.0	0.0	0.0	0.0	0.328	0.322	0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.006	0.006		
1	TLS00a	b29r	0.0	0.0	1.0	0.825	0.5	1.0	0.851	0.0	0.0	30.39	128.52	306	76.06	-103.59	15.99	6.4	84.22	0.15	0.06	0.18	0.072	0.951	0.0	0.001	1.0	-0.008	0.005	0.981	
2	TLS00a	j62g	0.0	1.0	0.0	0.406	0.5	1.0	0.378	0.0	0.0	83.62	115.02	136	-82.73	79.9	31.68	63.34	10.55	0.3	0.6	0.358	0.715	0.119	0.004	1.0	0.0	0.565	1.0	0.234	
3	TLS00a	g31b	0.0	1.0	1.0	0.578	0.5	1.0	0.545	0.0	0.0	86.88	48.1	196	-46.14	-13.53	47.69	69.76	94.73	0.225	0.329	0.538	0.787	1.069	0.009	1.0	1.0	0.565	1.0	1.0	
4	TLS00a	r22j	1.0	0.0	0.0	0.056	0.5	1.0	0.111	0.0	0.0	50.5	100.41	40	76.91	64.55	36.54	18.84	1.71	0.64	0.33	0.412	0.213	0.019	1.0	0.003	0.0	0.859	0.009	-0.003	
5	TLS00a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.912	0.0	0.0	57.31	110.96	328	94.35	-58.39	52.54	25.24	85.91	0.321	0.154	0.593	0.285	0.97	1.0	0.004	1.0	0.859	0.003	0.981	
6	TLS00a	j15g	1.0	1.0	0.0	0.289	0.5	1.0	0.286	0.0	0.0	92.66	93.08	103	-20.67	90.75	68.22	82.19	12.27	0.419	0.505	0.77	0.928	0.138	1.0	1.0	0.0	1.0	1.0	0.234	
7	TI_S00a	r00i	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.59	96.48	0.313	0.329	0.95	1.0	1.089	1.0	1.0	1.0	1.0	1.0	1.0	

adapted CIELAB (a\*, b\*) chroma diagram  
System: TLS00a

C = cyan blue  
V = violet blue  
m = mean CIELAB data between C and V  
S = standard radius 100

$$\begin{aligned}L^*_{a,m} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,m} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,m} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,m} &= [(a^*_{a,m})^2 + (b^*_{a,m})^2]^{1/2} \\ H^*_{a,m} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.5 \\ \beta &= 0.5\end{aligned}$$

C Cyan blue  
LCH\*<sub>a,C</sub> = 86.9 48.1 196  
LAB\*<sub>a,C</sub> = 86.9 -46.1 -13.4

Mean CIELAB

LCH\*<sub>a,m</sub> = 58.64 60.45 284  
LAB\*<sub>a,m</sub> = 58.64 14.95 -58.56

S Standard

LCH\*<sub>a,s</sub> = 58.64 60.45 284  
LAB\*<sub>a,s</sub> = 58.64 24.74 -96.88

adapted CIELAB data for the two hue angles of C and V; data LAB\*<sub>a</sub>LCH\*<sub>a</sub> LAB\*<sub>a</sub>LAB\*<sub>a</sub>

YE050-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: TLS00, page 9/24



BAM-test chart YE05; Colorimetry for colours M of: TLS00

Device CIELAB data for C, V and mean CIELAB m; page 9/24

relative CIELAB (a\*, b\*) chroma diagram  
System: TLS00a

C = cyan blue  
V = violet blue  
m = mean CIELAB data between C and V  
a\*<sub>r,m</sub> = A\*<sub>a,m</sub> / C\*<sub>ab,m</sub>  
b\*<sub>r,m</sub> = B\*<sub>a,m</sub> / C\*<sub>ab,m</sub>  
r\*<sub>m</sub> = 0.5  
c\*<sub>m</sub> = 1

C Cyan blue, H\*<sub>a,C</sub> = 196  
tch\* = 0.5 1.0 0.545  
tab\* = 0.5 -0.959 -0.281

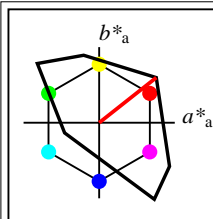
Mean CIELAB, H\*<sub>m</sub> = 284  
tch\* = 0.5 1.0 0.79  
tab\* = 0.5 0.247 -0.968

relative CIELAB data for the two hue angles of C and V; data lab\*lch\*, lab\*lab\*, LAB\*<sub>a</sub>H\*<sub>a</sub>

input: olv\* setrgbcolor

output: olv\* setrgbcolor / w\* setgray





%Gamut

u\*<sub>rel</sub> = 146

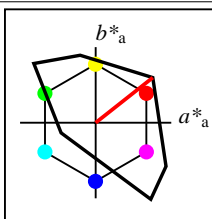
%Regularity

g\*<sub>H,rel</sub> = 21

g\*<sub>C,rel</sub> = 38

TLS06

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	51.08	75.54	59.69	96.28	38
Y <sub>M</sub>	92.68	-20.5	89.24	91.57	103
L <sub>M</sub>	83.72	-81.78	78.32	113.24	136
C <sub>M</sub>	86.94	-45.71	-13.42	47.65	196
V <sub>M</sub>	31.77	72.91	-101.29	124.81	306
M <sub>M</sub>	57.74	93.06	-57.7	109.5	328
N <sub>M</sub>	5.69	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 146

%Regularity

g\*<sub>H,rel</sub> = 21

g\*<sub>C,rel</sub> = 38

TLS06a; adapted CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	51.08	75.54	59.69	96.28	38
Y <sub>Ma</sub>	92.68	-20.5	89.24	91.57	103
L <sub>Ma</sub>	83.72	-81.78	78.32	113.24	136
C <sub>Ma</sub>	86.94	-45.71	-13.42	47.65	196
V <sub>Ma</sub>	31.77	72.91	-101.29	124.81	306
M <sub>Ma</sub>	57.74	93.06	-57.7	109.5	328
N <sub>Ma</sub>	5.69	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ <sub>a,CIE</sub>	xy <sub>a,CIE</sub>	XYZ <sub>RGB</sub>	RGB'sRGB	RGB'AdobeRGB
0	TLS06a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	5.69 0.0 0	0.0 0.0	0.6 0.63 0.69	0.313 0.329	0.007 0.007 0.008	0.079 0.079 0.079	0.106 0.105 0.105
1	TLS06a	b29r	0.0	0.0	1.0	0.825	0.5	1.0	0.849	0.0	0.0	31.77 124.81 306	72.91 -101.29	16.48 6.98 84.33	0.153 0.065	0.186 0.079 0.952	0.079 0.08 1.0	0.106 0.106 0.981
2	TLS06a	j62g	0.0	1.0	0.0	0.406	0.5	1.0	0.378	0.0	0.0	83.72 113.24 136	-81.78 78.32	32.06 63.53 11.17	0.3 0.595	0.362 0.717 0.126	0.082 1.0 0.079	0.57 1.0 0.251
3	TLS06a	g31b	0.0	1.0	1.0	0.578	0.5	1.0	0.545	0.0	0.0	86.94 47.65 196	-45.71 -13.42	47.93 69.88 94.72	0.226 0.329	0.541 0.789 1.069	0.084 1.0 1.0	0.57 1.0 1.0
4	TLS06a	r18j	1.0	0.0	0.0	0.047	0.5	1.0	0.106	0.0	0.0	51.08 96.28 38	75.54 59.69	36.88 19.34 2.39	0.629 0.33	0.416 0.218 0.027	1.0 0.081 0.079	0.86 0.106 0.105
5	TLS06a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.912	0.0	0.0	57.74 109.5 328	93.06 -57.7	52.76 25.69 85.98	0.321 0.156	0.595 0.29 0.97	1.0 0.082 1.0	0.86 0.106 0.981
6	TLS06a	j15g	1.0	1.0	0.0	0.289	0.5	1.0	0.286	0.0	0.0	92.68 91.57 103	-20.5 89.24	68.34 82.24 12.87	0.418 0.503	0.771 0.928 0.145	1.0 1.0 0.079	1.0 1.0 0.251
7	TLS06a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0

adapted CIELAB (a\*, b\*) chroma diagram  
System: TLS06a

C = cyan blue  
V = violet blue  
m = mean CIELAB data between C and V  
S = standard radius 100

$$\begin{aligned}L^*_{a,m} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,m} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,m} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,m} &= [(a^*_{a,m})^2 + (b^*_{a,m})^2]^{1/2} \\ H^*_{a,m} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.5 \\ \beta &= 0.5\end{aligned}$$

C Cyan blue  
LCH\*<sub>a,C</sub> = 86.9 47.7 196  
LAB\*<sub>a,C</sub> = 86.9 -45.6 -13.3

Mean CIELAB

LCH\*<sub>a,m</sub> = 59.36 58.95 283  
LAB\*<sub>a,m</sub> = 59.36 13.6 -57.36

S Standard

LCH\*<sub>a,s</sub> = 59.36 58.95 283  
LAB\*<sub>a,s</sub> = 59.36 23.06 -97.29

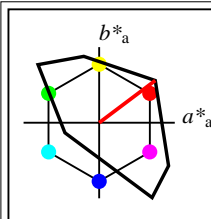
adapted CIELAB data for the two hue angles of C and V; data LAB\*<sub>a</sub>LCH\*<sub>a</sub> LAB\*<sub>a</sub>LAB\*<sub>a</sub>

V Violet blue  
LCH\*<sub>a,V</sub> = 31.8 124.8 306  
LAB\*<sub>a,V</sub> = 31.8 72.9 -101.2

YE050-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: TLS06, page 10/24

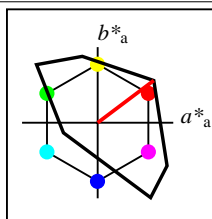
BAM-test chart YE05; Colorimetry for colours M of: TLS06 input: olv\* setrgbcolor

Device CIELAB data for C, V and mean CIELAB m; page 10/24 output: olv\* setrgbcolor / w\* setgray



%Gamut  
 $u^*_{rel} = 134$   
%Regularity  
 $g^*_{H,rel} = 21$   
 $g^*_{C,rel} = 39$

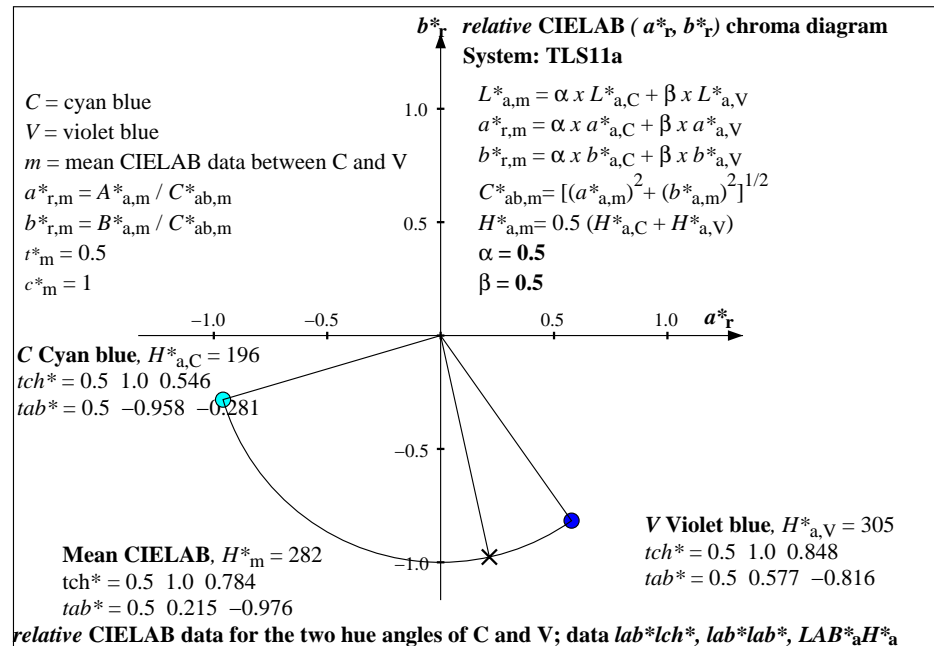
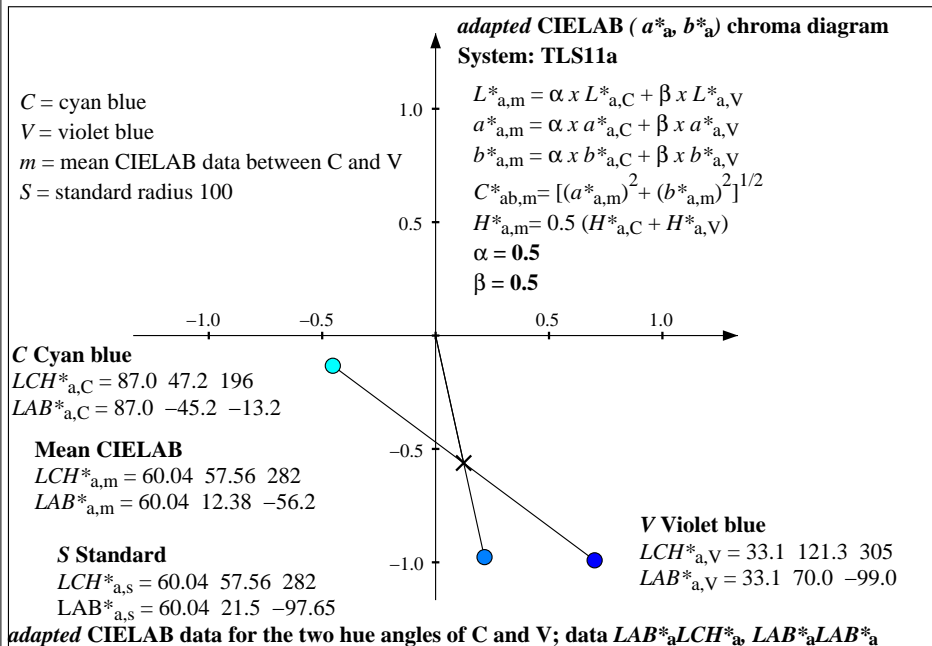
TLS11					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	51.65	74.2	55.83	92.86	37
$Y_M$	92.7	-20.34	87.77	90.1	103
$L_M$	83.81	-80.84	76.81	111.52	136
$C_M$	87.01	-45.27	-13.32	47.2	196
$V_M$	33.06	70.03	-99.08	121.34	305
$M_M$	58.17	91.8	-57.02	108.07	328
$N_M$	10.99	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

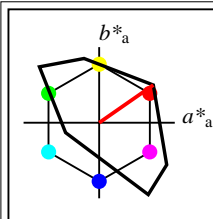


%Gamut  
 $u^*_{rel} = 134$   
%Regularity  
 $g^*_{H,rel} = 21$   
 $g^*_{C,rel} = 39$

TLS11a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	51.65	74.2	55.83	92.86	37
$Y_{Ma}$	92.7	-20.34	87.77	90.1	103
$L_{Ma}$	83.81	-80.84	76.81	111.52	136
$C_{Ma}$	87.01	-45.27	-13.32	47.2	196
$V_{Ma}$	33.06	70.03	-99.08	121.34	305
$M_{Ma}$	58.17	91.8	-57.02	108.07	328
$N_{Ma}$	10.99	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	$XYZ_{RGB}$	$RGB'_{sRGB}$	$RGB'_{AdobeRGB}$
0	TLS11a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	10.99 0.0 0	0.0 0.0	1.2 1.26 1.37	0.313 0.329	0.014 0.014 0.015	0.124 0.124 0.124	0.145 0.145 0.145
1	TLS11a	b28r	0.0	0.0	1.0	0.822	0.5	1.0	0.848	0.0	0.0	33.06 121.34 305	70.03 -99.08	16.96 7.57 84.35	0.156 0.069	0.191 0.085 0.952	0.125 0.124 1.0	0.145 0.144 0.981
2	TLS11a	j62g	0.0	1.0	0.0	0.406	0.5	1.0	0.379	0.0	0.0	83.81 111.52 136	-80.84 76.81	32.43 63.7 11.77	0.301 0.59	0.366 0.719 0.133	0.126 1.0 0.124	0.574 1.0 0.267
3	TLS11a	g31b	0.0	1.0	1.0	0.578	0.5	1.0	0.546	0.0	0.0	87.01 47.2 196	-45.27 -13.32	48.2 70.03 94.75	0.226 0.329	0.544 0.79 1.069	0.128 1.0 1.0	0.574 1.0 1.0
4	TLS11a	r17j	1.0	0.0	0.0	0.044	0.5	1.0	0.103	0.0	0.0	51.65 92.86 37	74.2 55.83	37.22 19.83 3.06	0.619 0.33	0.42 0.224 0.035	1.0 0.126 0.124	0.861 0.145 0.145
5	TLS11a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.912	0.0	0.0	58.17 108.07 328	91.8 -57.02	52.98 26.14 86.06	0.321 0.158	0.598 0.295 0.971	1.0 0.126 1.0	0.861 0.145 0.981
6	TLS11a	j15g	1.0	1.0	0.0	0.289	0.5	1.0	0.286	0.0	0.0	92.7 90.1 103	-20.34 87.77	68.45 82.28 13.47	0.417 0.501	0.773 0.929 0.152	1.0 1.0 0.124	1.0 1.0 0.267
7	TLS11a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

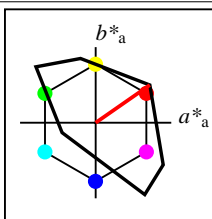
u\*<sub>rel</sub> = 118

%Regularity

g\*<sub>H,rel</sub> = 22

g\*<sub>C,rel</sub> = 40

TLS18					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	52.76	71.63	49.88	87.29	35
Y <sub>M</sub>	92.74	-20.02	84.97	87.3	103
L <sub>M</sub>	84.0	-78.98	73.94	108.2	137
C <sub>M</sub>	87.14	-44.41	-13.11	46.32	196
V <sub>M</sub>	35.47	64.92	-95.06	115.12	304
M <sub>M</sub>	59.01	89.33	-55.67	105.26	328
N <sub>M</sub>	18.01	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 118

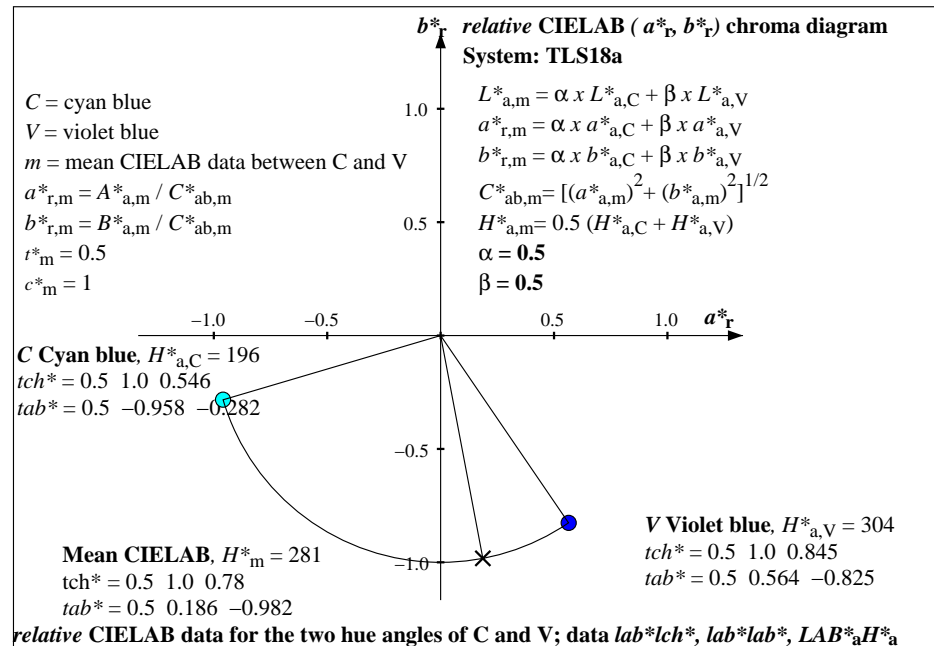
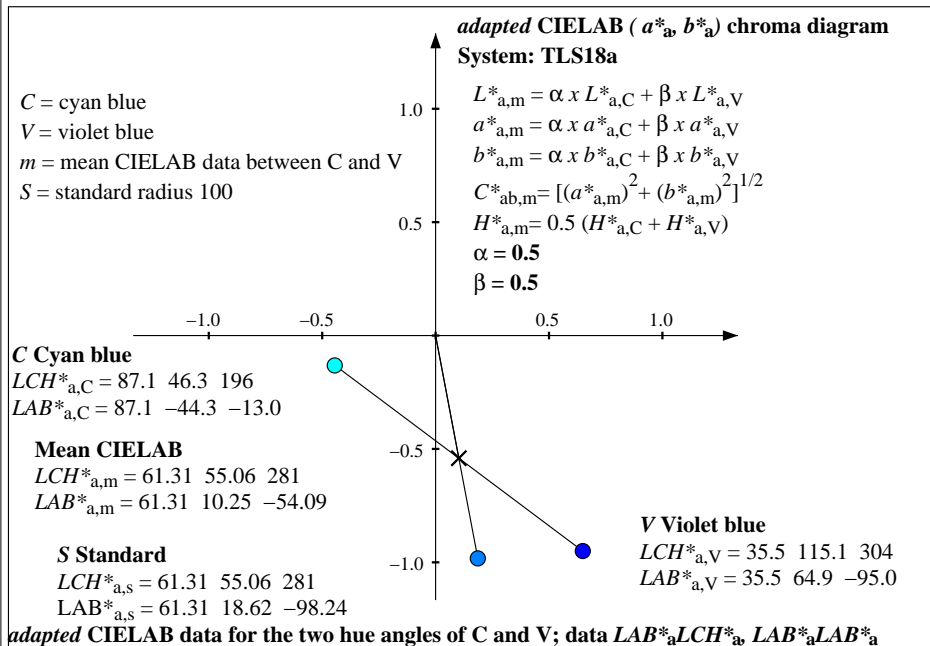
%Regularity

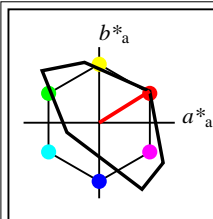
g\*<sub>H,rel</sub> = 22

g\*<sub>C,rel</sub> = 40

TLS18a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	52.76	71.63	49.88	87.29	35
Y <sub>Ma</sub>	92.74	-20.02	84.97	87.3	103
L <sub>Ma</sub>	84.0	-78.98	73.94	108.2	137
C <sub>Ma</sub>	87.14	-44.41	-13.11	46.32	196
V <sub>Ma</sub>	35.47	64.92	-95.06	115.12	304
M <sub>Ma</sub>	59.01	89.33	-55.67	105.26	328
N <sub>Ma</sub>	18.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ <sub>a,CIE</sub>	xy <sub>a,CIE</sub>	XYZ <sub>RGB</sub>	RGB'sRGB	RGB'AdobeRGB
0	TLS18a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 0.198 0.198
1	TLS18a	b28r	0.0	0.0	1.0	0.822	0.5	1.0	0.845	0.0	0.0	35.47 115.12 304	64.92 -95.06	17.93 8.74 84.54	0.161 0.079	0.202 0.099 0.954	0.185 0.185 1.0	0.199 0.198 0.981
2	TLS18a	j64g	0.0	1.0	0.0	0.411	0.5	1.0	0.38	0.0	0.0	84.0 108.2 137	-78.98 73.94	33.18 64.07 13.0	0.301 0.581	0.374 0.723 0.147	0.186 1.0 0.184	0.583 1.0 0.295
3	TLS18a	g31b	0.0	1.0	1.0	0.578	0.5	1.0	0.546	0.0	0.0	87.14 46.32 196	-44.41 -13.11	48.72 70.29 94.77	0.228 0.329	0.55 0.793 1.07	0.187 1.0 1.0	0.583 1.0 1.0
4	TLS18a	r14j	1.0	0.0	0.0	0.036	0.5	1.0	0.097	0.0	0.0	52.76 87.29 35	71.63 49.88	37.9 20.83 4.41	0.6 0.33	0.428 0.235 0.05	1.0 0.185 0.184	0.863 0.198 0.198
5	TLS18a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.911	0.0	0.0	59.01 105.26 328	89.33 -55.67	53.43 27.04 86.2	0.321 0.162	0.603 0.305 0.973	1.0 0.185 1.0	0.863 0.198 0.981
6	TLS18a	j15g	1.0	1.0	0.0	0.289	0.5	1.0	0.287	0.0	0.0	92.74 87.3 103	-20.02 84.97	68.68 82.37 14.66	0.414 0.497	0.775 0.93 0.166	1.0 1.0 0.184	1.0 1.0 0.295
7	TLS18a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

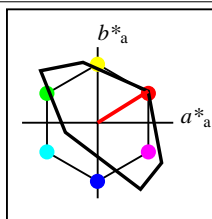
u\*<sub>rel</sub> = 98

%Regularity

g\*<sub>H,rel</sub> = 24

g\*<sub>C,rel</sub> = 43

TLS28					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	54.88	66.84	41.69	78.78	32
Y <sub>M</sub>	92.82	-19.38	79.81	82.13	104
L <sub>M</sub>	84.37	-75.38	68.76	102.04	138
C <sub>M</sub>	87.4	-42.71	-12.69	44.57	197
V <sub>M</sub>	39.7	56.66	-88.01	104.68	303
M <sub>M</sub>	60.64	84.61	-53.07	99.88	328
N <sub>M</sub>	26.85	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 98

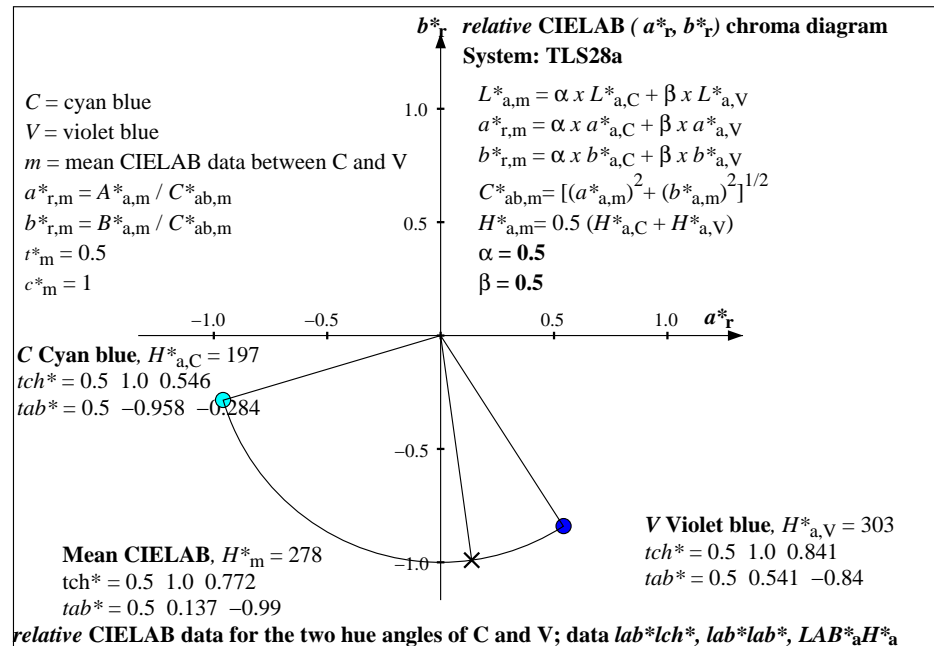
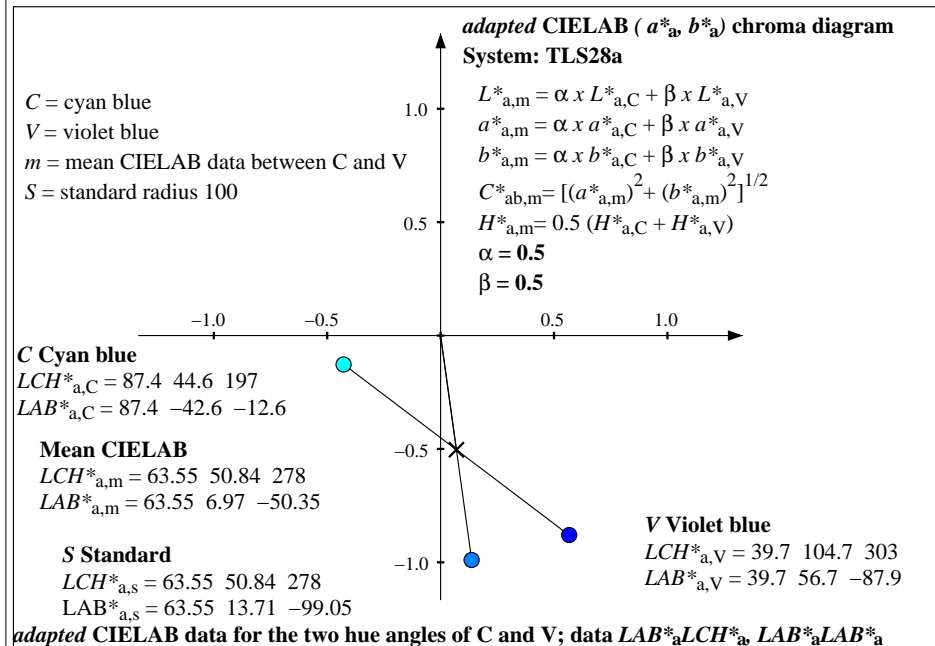
%Regularity

g\*<sub>H,rel</sub> = 24

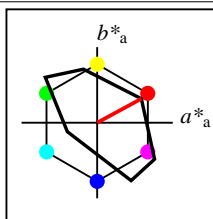
g\*<sub>C,rel</sub> = 43

TLS28a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	54.88	66.84	41.69	78.78	32
Y <sub>Ma</sub>	92.82	-19.38	79.81	82.13	104
L <sub>Ma</sub>	84.37	-75.38	68.76	102.04	138
C <sub>Ma</sub>	87.4	-42.71	-12.69	44.57	197
V <sub>Ma</sub>	39.7	56.66	-88.01	104.68	303
M <sub>Ma</sub>	60.64	84.61	-53.07	99.88	328
N <sub>Ma</sub>	26.85	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ* <sub>a,CIE</sub>	xy* <sub>a,CIE</sub>	XYZ* <sub>RGB</sub>	RGB* <sub>sRGB</sub>	RGB* <sub>AdobeRGB</sub>
0	TLS28a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	26.85 0.0 0	0.0 0.0	4.79 5.04 5.49	0.313 0.329	0.054 0.057 0.062	0.265 0.265 0.265	0.272 0.272 0.272
1	TLS28a	b27r	0.0	0.0	1.0	0.819	0.5	1.0	0.841	0.0	0.0	39.7 104.68 303	56.66 -88.01	19.87 11.07 84.87	0.172 0.096	0.224 0.125 0.958	0.265 0.265 1.0	0.272 0.272 0.982
2	TLS28a	j65g	0.0	1.0	0.0	0.414	0.5	1.0	0.382	0.0	0.0	84.37 102.04 138	-75.38 68.76	34.67 64.78 15.44	0.302 0.564	0.391 0.731 0.174	0.265 1.0 0.264	0.6 1.0 0.344
3	TLS28a	g32b	0.0	1.0	1.0	0.581	0.5	1.0	0.546	0.0	0.0	87.4 44.57 197	-42.71 -12.69	49.76 70.83 94.81	0.231 0.329	0.562 0.799 1.07	0.266 1.0 1.0	0.601 1.0 1.0
4	TLS28a	r10j	1.0	0.0	0.0	0.025	0.5	1.0	0.089	0.0	0.0	54.88 78.78 32	66.84 41.69	39.26 22.81 7.11	0.567 0.33	0.443 0.257 0.08	1.0 0.265 0.265	0.867 0.272 0.272
5	TLS28a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.911	0.0	0.0	60.64 99.88 328	84.61 -53.07	54.33 28.84 86.49	0.32 0.17	0.613 0.326 0.976	1.0 0.265 1.0	0.867 0.272 0.982
6	TLS28a	j16g	1.0	1.0	0.0	0.292	0.5	1.0	0.288	0.0	0.0	92.82 82.13 104	-19.38 79.81	69.13 82.56 17.06	0.41 0.489	0.78 0.932 0.193	1.0 1.0 0.264	1.0 1.0 0.344
7	TLS28a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0

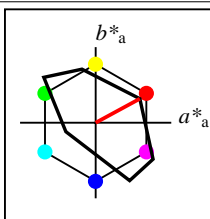






%Gamut  
 $u^*_{rel} = 72$   
%Regularity  
 $g^*_{H,rel} = 26$   
 $g^*_{C,rel} = 45$

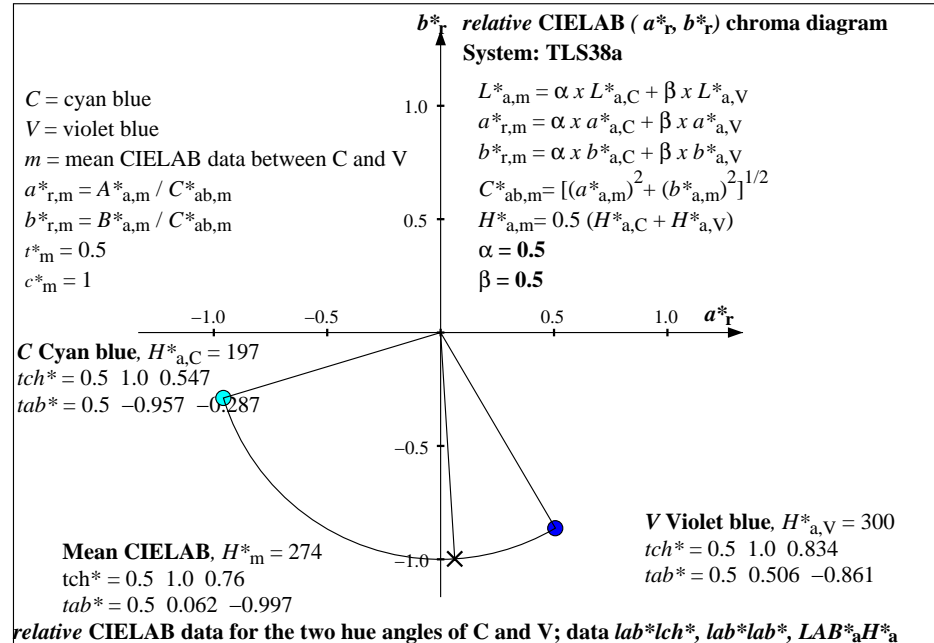
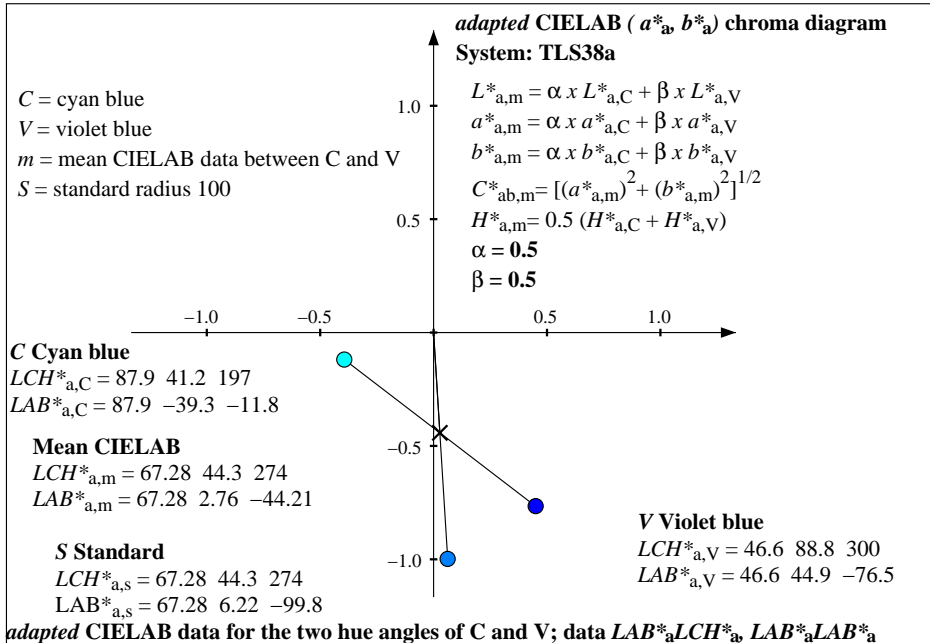
TLS38					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	58.77	58.45	31.73	66.51	28
$Y_M$	92.98	-18.1	70.81	73.09	104
$L_M$	85.11	-68.57	60.02	91.14	139
$C_M$	87.92	-39.41	-11.86	41.17	197
$V_M$	46.64	44.93	-76.55	88.77	300
$M_M$	63.71	75.92	-48.21	89.94	328
$N_M$	37.99	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

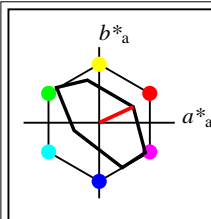


%Gamut  
 $u^*_{rel} = 72$   
%Regularity  
 $g^*_{H,rel} = 26$   
 $g^*_{C,rel} = 45$

TLS38a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	58.77	58.45	31.73	66.51	28
$Y_{Ma}$	92.98	-18.1	70.81	73.09	104
$L_{Ma}$	85.11	-68.57	60.02	91.14	139
$C_{Ma}$	87.92	-39.41	-11.86	41.17	197
$V_{Ma}$	46.64	44.93	-76.55	88.77	300
$M_{Ma}$	63.71	75.92	-48.21	89.94	328
$N_{Ma}$	37.99	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

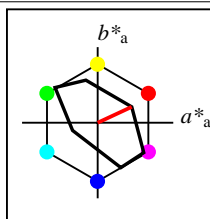
n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	$XYZ^*_{RGB}$	$RGB^*_{sRGB}$	$RGB^*_{AdobeRGB}$
0	TLS38a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	37.99 0.0 0	0.0 0.0	9.58 10.08 10.98	0.313 0.329	0.108 0.114 0.124	0.372 0.372 0.372	0.372 0.372 0.372
1	TLS38a	b24r	0.0	0.0	1.0	0.811	0.5	1.0	0.834	0.0	0.0	46.64 88.77 300	44.93 -76.55	23.75 15.75 85.58	0.19 0.126	0.268 0.178 0.966	0.372 0.372 1.0	0.372 0.372 0.983
2	TLS38a	j66g	0.0	1.0	0.0	0.417	0.5	1.0	0.386	0.0	0.0	85.11 91.13 139	-68.57 60.02	37.66 66.22 20.33	0.303 0.533	0.425 0.747 0.229	0.372 1.0 0.371	0.633 1.0 0.422
3	TLS38a	g32b	0.0	1.0	1.0	0.581	0.5	1.0	0.547	0.0	0.0	87.92 41.17 197	-39.41 -11.86	51.84 71.9 94.91	0.237 0.329	0.585 0.812 1.071	0.373 1.0 1.0	0.634 1.0 1.0
4	TLS38a	r03j	1.0	0.0	0.0	0.008	0.5	1.0	0.079	0.0	0.0	58.77 66.51 28	58.45 31.73	41.97 26.78 12.49	0.517 0.33	0.474 0.302 0.141	1.0 0.372 0.372	0.876 0.372 0.372
5	TLS38a	b50r	1.0	0.0	1.0	0.875	0.5	1.0	0.91	0.0	0.0	63.71 89.94 328	75.92 -48.21	56.13 32.45 87.1	0.32 0.185	0.634 0.366 0.983	1.0 0.372 1.0	0.876 0.372 0.983
6	TLS38a	j16g	1.0	1.0	0.0	0.292	0.5	1.0	0.29	0.0	0.0	92.98 73.09 104	-18.1 70.81	70.05 82.92 21.85	0.401 0.474	0.791 0.936 0.247	1.0 1.0 0.372	1.0 1.0 0.422
7	TLS38a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut  
 $u^*_{rel} = 43$   
%Regularity  
 $g^*_{H,rel} = 30$   
 $g^*_{C,rel} = 48$

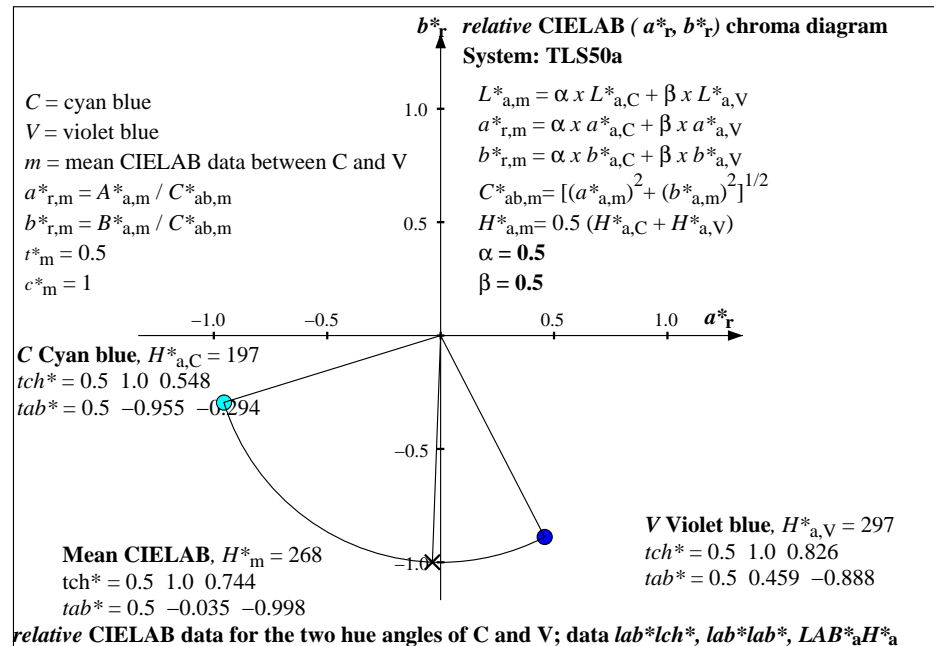
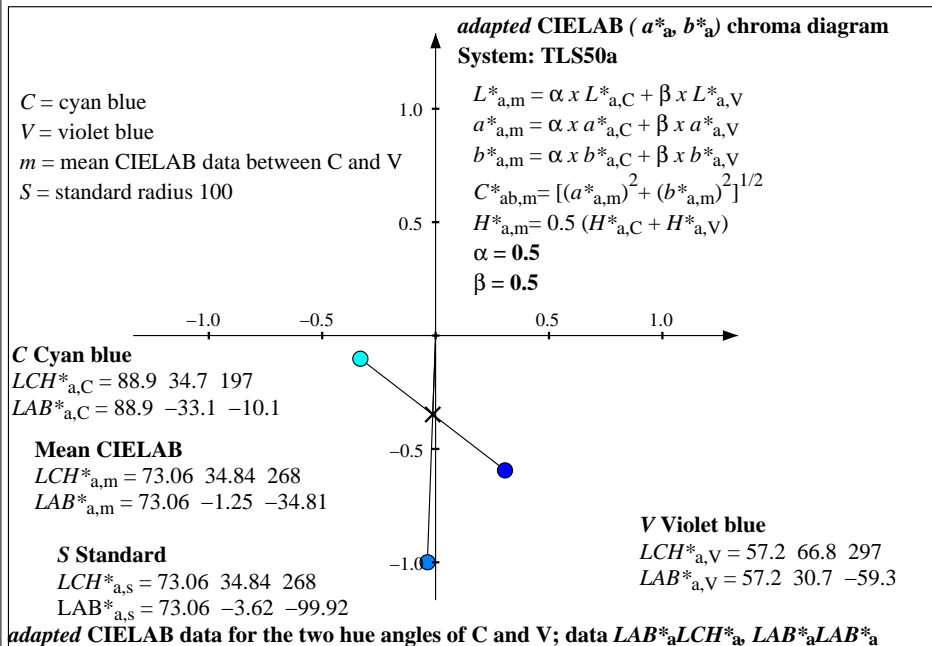
TLS50					
	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	65.53	45.06	20.98	49.7	25
$Y_M$	93.3	-15.6	56.27	58.4	106
$L_M$	86.55	-56.3	46.52	73.04	140
$C_M$	88.94	-33.18	-10.23	34.73	197
$V_M$	57.17	30.66	-59.39	66.85	297
$M_M$	69.22	60.95	-39.56	72.67	327
$N_M$	52.02	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

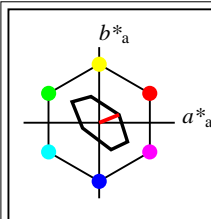


%Gamut  
 $u^*_{rel} = 43$   
%Regularity  
 $g^*_{H,rel} = 30$   
 $g^*_{C,rel} = 48$

TLS50a; adapted CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	65.53	45.06	20.98	49.7	25
$Y_{Ma}$	93.3	-15.6	56.27	58.4	106
$L_{Ma}$	86.55	-56.3	46.52	73.04	140
$C_{Ma}$	88.94	-33.18	-10.23	34.73	197
$V_{Ma}$	57.17	30.66	-59.39	66.85	297
$M_{Ma}$	69.22	60.95	-39.56	72.67	327
$N_{Ma}$	52.02	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	$XYZ_{RGB}$	$RGB'_{sRGB}$	$RGB'_{AdobeRGB}$
0	TLS50a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	52.02 0.0 0	0.0 0.0	19.16 20.16 21.96	0.313 0.329	0.216 0.228 0.248	0.514 0.514 0.514	0.51 0.51 0.51
1	TLS50a	b22r	0.0	0.0	1.0	0.806	0.5	1.0	0.826	0.0	0.0	57.17 66.85 297	30.66 -59.39	31.51 25.1 86.97	0.219 0.175	0.356 0.283 0.982	0.514 0.514 1.0	0.51 0.51 0.985
2	TLS50a	j67g	0.0	1.0	0.0	0.419	0.5	1.0	0.39	0.0	0.0	86.55 73.04 140	-56.3 46.52	43.64 69.09 30.11	0.305 0.484	0.493 0.78 0.34	0.515 1.0 0.514	0.694 1.0 0.541
3	TLS50a	g32b	0.0	1.0	1.0	0.581	0.5	1.0	0.548	0.0	0.0	88.94 34.73 197	-33.18 -10.23	55.99 74.04 95.11	0.249 0.329	0.632 0.836 1.073	0.515 1.0 1.0	0.694 1.0 1.0
4	TLS50a	r00j	1.0	0.0	0.0	1.0	0.5	1.0	0.069	0.0	0.0	65.53 49.71 25	45.06 20.98	47.39 34.72 23.28	0.45 0.329	0.535 0.392 0.263	1.0 0.515 0.514	0.893 0.51 0.51
5	TLS50a	b48r	1.0	0.0	1.0	0.872	0.5	1.0	0.908	0.0	0.0	69.22 72.67 327	60.95 -39.56	59.73 39.65 88.3	0.318 0.211	0.674 0.448 0.997	1.0 0.515 1.0	0.893 0.51 0.985
6	TLS50a	j20g	1.0	1.0	0.0	0.3	0.5	1.0	0.293	0.0	0.0	93.3 58.39 106	-15.6 56.27	71.87 83.65 31.43	0.384 0.447	0.811 0.944 0.355	1.0 1.0 0.514	1.0 1.0 0.541
7	TLS50a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

u\*<sub>rel</sub> = 16

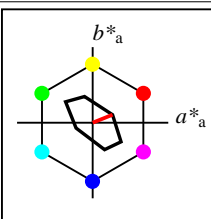
%Regularity

g\*<sub>H,rel</sub> = 34

g\*<sub>C,rel</sub> = 51

**TLS70**

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	76.43	26.27	10.57	28.32	22
Y <sub>M</sub>	93.93	-10.76	34.63	36.27	107
L <sub>M</sub>	89.32	-35.8	27.64	45.24	142
C <sub>M</sub>	90.93	-21.95	-7.07	23.07	198
V <sub>M</sub>	72.1	15.76	-35.63	38.97	294
M <sub>M</sub>	78.5	37.52	-25.23	45.22	326
N <sub>M</sub>	69.7	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 16

%Regularity

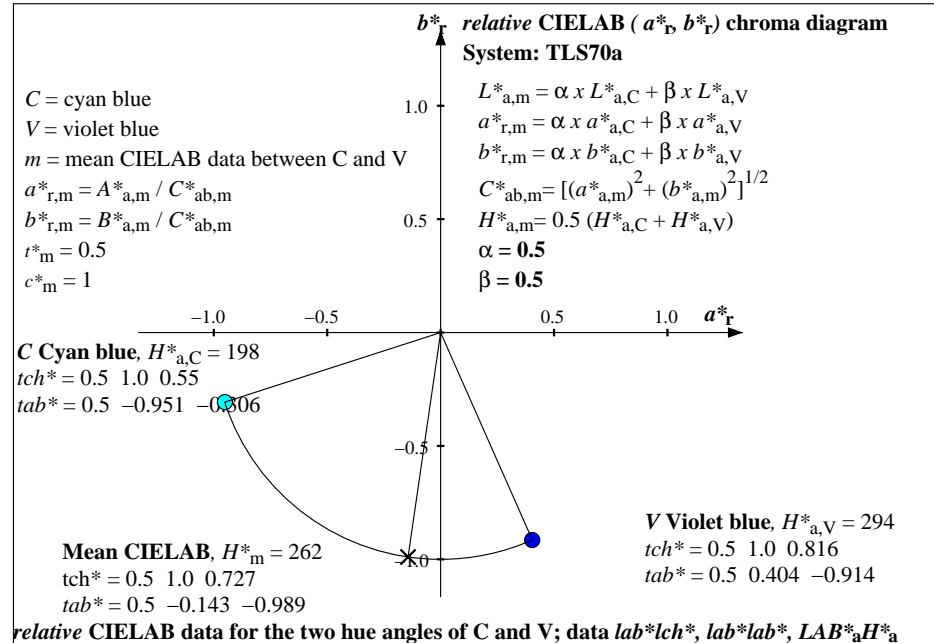
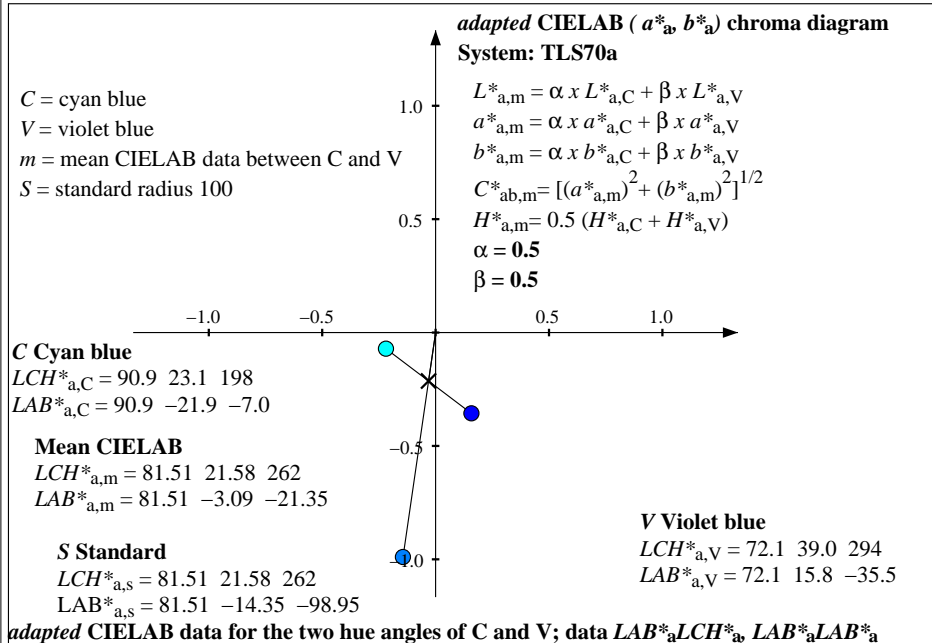
g\*<sub>H,rel</sub> = 34

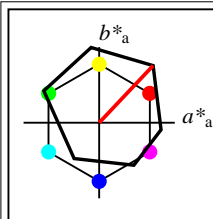
g\*<sub>C,rel</sub> = 51

**TLS70a; adapted CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	76.43	26.27	10.57	28.32	22
Y <sub>Ma</sub>	93.93	-10.76	34.63	36.27	107
L <sub>Ma</sub>	89.32	-35.8	27.64	45.24	142
C <sub>Ma</sub>	90.93	-21.95	-7.07	23.07	198
V <sub>Ma</sub>	72.1	15.76	-35.63	38.97	294
M <sub>Ma</sub>	78.5	37.52	-25.23	45.22	326
N <sub>Ma</sub>	69.7	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

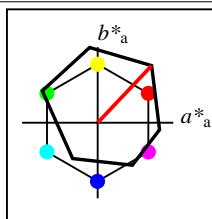
n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ* <sub>a,CIE</sub>	xy* <sub>a,CIE</sub>	XYZ* <sub>RGB</sub>	RGB'sRGB	RGB' AdobeRGB													
0	TLS70a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	69.7	0.0	0	0.0	0.0	0.433	0.455	0.496	0.705	0.705	0.705	0.699	0.699	0.699						
1	TLS70a	b20r	0.0	0.0	1.0	0.8	0.5	1.0	0.816	0.0	0.0	72.1	38.97	294	15.76	-35.63	47.04	43.81	89.78	0.26	0.243	0.531	0.494	1.013	0.705	0.705	1.0	0.699	0.699	0.99	
2	TLS70a	j71g	0.0	1.0	0.0	0.428	0.5	1.0	0.395	0.0	0.0	89.32	45.24	142	-35.8	27.64	55.6	74.84	49.66	0.309	0.416	0.628	0.845	0.561	0.705	1.0	0.705	0.799	1.0	0.715	
3	TLS70a	g32b	0.0	1.0	1.0	0.581	0.5	1.0	0.55	0.0	0.0	90.93	23.07	198	-21.95	-7.07	64.31	78.33	95.51	0.27	0.329	0.726	0.884	1.078	0.705	1.0	1.0	0.799	1.0	1.0	
4	TLS70a	b96r	1.0	0.0	0.0	0.992	0.5	1.0	0.061	0.0	0.0	76.43	28.32	22	26.27	10.57	58.24	50.59	44.84	0.379	0.329	0.657	0.571	0.506	1.0	0.705	0.705	0.926	0.699	0.699	
5	TLS70a	b47r	1.0	0.0	1.0	0.869	0.5	1.0	0.906	0.0	0.0	78.5	45.22	326	37.52	-25.23	66.94	54.07	90.7	0.316	0.255	0.756	0.61	1.024	1.0	0.705	1.0	0.926	0.699	0.99	
6	TLS70a	j21g	1.0	1.0	0.0	0.303	0.5	1.0	0.298	0.0	0.0	93.93	36.27	107	-10.76	34.63	75.5	85.11	50.6	0.357	0.403	0.852	0.961	0.571	1.0	1.0	0.705	1.0	1.0	0.715	
7	TLS70a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.59	96.48	0.313	0.329	0.95	1.0	1.089	1.0	1.0	1.0	1.0	1.0	1.0	





%Gamut  
 $u^*_{rel} = 133$   
%Regularity  
 $g^*_{H,rel} = 52$   
 $g^*_{C,rel} = 56$

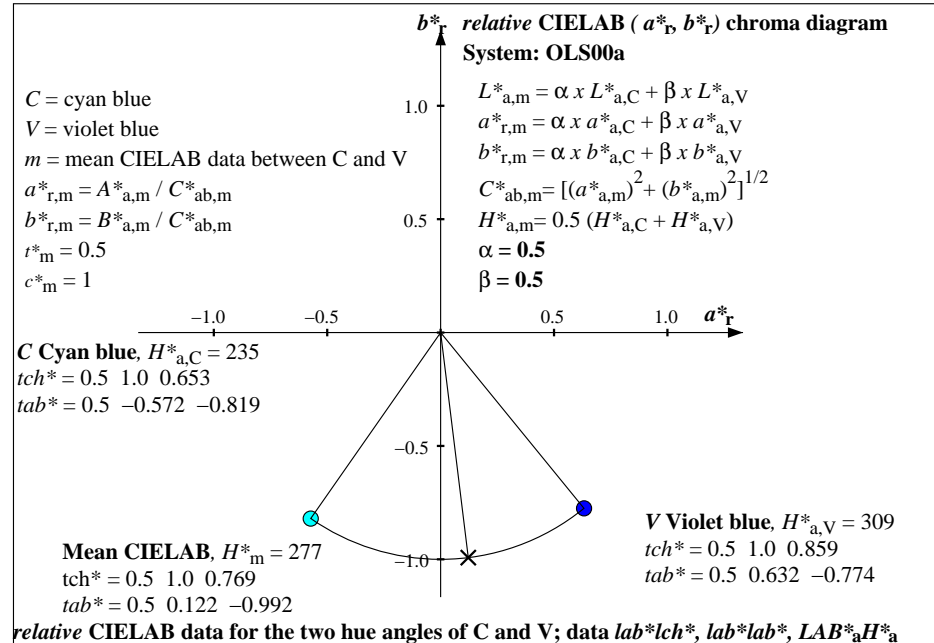
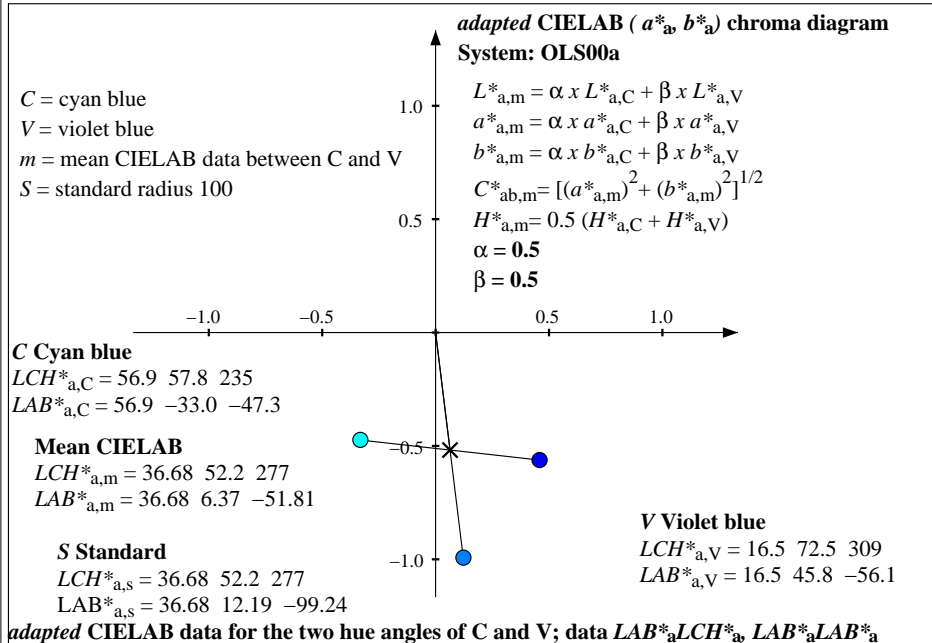
OLS00	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	45.14	71.37	75.54	103.92	47
$Y_M$	90.22	-10.59	99.51	100.07	96
$L_M$	48.45	-73.18	42.21	84.49	150
$C_M$	56.88	-33.1	-47.4	57.83	235
$V_M$	16.48	45.84	-56.21	72.54	309
$M_M$	45.36	81.85	-9.28	82.38	354
$N_M$	0.01	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

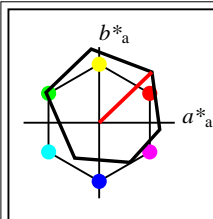


%Gamut  
 $u^*_{rel} = 133$   
%Regularity  
 $g^*_{H,rel} = 52$   
 $g^*_{C,rel} = 56$

OLS00a; adapted CIELAB data	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	45.14	71.37	75.54	103.92	47
$Y_{Ma}$	90.22	-10.59	99.51	100.07	96
$L_{Ma}$	48.45	-73.18	42.21	84.49	150
$C_{Ma}$	56.88	-33.1	-47.4	57.83	235
$V_{Ma}$	16.48	45.84	-56.21	72.54	309
$M_{Ma}$	45.36	81.85	-9.28	82.38	354
$N_{Ma}$	0.01	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	$XYZ_{RGB}$	$RGB'_{sRGB}$	$RGB'_{AdobeRGB}$
0	OLS00a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.01 0.0 0	0.0 0.0	0.0 0.0 0.0	0.328 0.322 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.006 0.006 0.006
1	OLS00a	b32r	0.0	0.0	1.0	0.831	0.5	1.0	0.859	0.0	0.0	16.48 72.54 309	45.84 -56.21	4.88 2.2 19.24	0.185 0.083 0.055	0.025 0.217 0.197	0.028 0.514 0.182	0.061 0.5
2	OLS00a	j82g	0.0	1.0	0.0	0.456	0.5	1.0	0.417	0.0	0.0	48.45 84.49 150	-73.18 42.21	6.51 17.15 4.45	0.232 0.61 0.074	0.194 0.05 -1.089	0.578 0.142 0.181	0.573 0.2
3	OLS00a	g66b	0.0	1.0	1.0	0.667	0.5	1.0	0.653	0.0	0.0	56.88 57.83 235	-33.1 -47.4	16.88 24.8 70.56	0.15 0.221 0.19	0.28 0.796 -2.713	0.645 0.904 -0.24	0.639 0.892
4	OLS00a	r32j	1.0	0.0	0.0	0.081	0.5	1.0	0.13	0.0	0.0	45.14 103.92 47	71.37 75.54	28.56 14.64 0.16	0.659 0.338 0.322	0.165 0.002 0.901	-0.027 -0.178 0.771	-0.063 -0.14
5	OLS00a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.982	0.0	0.0	45.36 82.38 354	81.85 -9.28	31.59 14.8 20.75	0.471 0.22 0.357	0.167 0.234 0.897	-0.287 0.52 0.764	-0.177 0.505
6	OLS00a	j05g	1.0	1.0	0.0	0.264	0.5	1.0	0.267	0.0	0.0	90.22 100.07 96	-10.59 99.51	68.02 76.78 7.96	0.445 0.503 0.768	0.867 0.09 1.047	0.948 -0.503 1.021	0.946 -0.043
7	OLS00a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329 0.95	1.0 1.089 1.0	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

u\*<sub>rel</sub> = 120

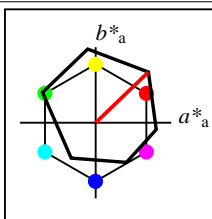
%Regularity

g\*<sub>H,rel</sub> = 54

g\*<sub>C,rel</sub> = 58

OLS06

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	45.87	69.79	66.99	96.74	44
Y <sub>M</sub>	90.25	-10.5	97.42	97.99	96
L <sub>M</sub>	49.08	-70.27	40.08	80.91	150
C <sub>M</sub>	57.33	-32.37	-46.79	56.91	235
V <sub>M</sub>	19.26	40.73	-52.46	66.42	308
M <sub>M</sub>	46.07	80.12	-9.03	80.63	354
N <sub>M</sub>	5.69	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 120

%Regularity

g\*<sub>H,rel</sub> = 54

g\*<sub>C,rel</sub> = 58

OLS06a; adapted CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	45.87	69.79	66.99	96.74	44
Y <sub>Ma</sub>	90.25	-10.5	97.42	97.99	96
L <sub>Ma</sub>	49.08	-70.27	40.08	80.91	150
C <sub>Ma</sub>	57.33	-32.37	-46.79	56.91	235
V <sub>Ma</sub>	19.26	40.73	-52.46	66.42	308
M <sub>Ma</sub>	46.07	80.12	-9.03	80.63	354
N <sub>Ma</sub>	5.69	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ* <sub>a,CIE</sub>	xy* <sub>a,CIE</sub>	XYZ* <sub>RGB</sub>	RGB*sRGB	RGB* <sub>AdobeRGB</sub>												
0	OLS06a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	5.69	0.0	0	0.0	0.0	0.6	0.63	0.69	0.313	0.329	0.007	0.007	0.008	0.079	0.079	0.079	0.106	0.105	0.105
1	OLS06a	b32r	0.0	0.0	1.0	0.831	0.5	1.0	0.855	0.0	0.0	19.26	66.42	308	40.73	-52.46	5.44	2.81	19.78	0.194	0.1	0.061	0.032	0.223	0.218	0.095	0.52	0.205	0.119	0.506
2	OLS06a	j82g	0.0	1.0	0.0	0.456	0.5	1.0	0.418	0.0	0.0	49.08	80.91	150	-70.27	40.08	7.07	17.66	5.11	0.237	0.592	0.08	0.199	0.058	-0.99	0.583	0.171	0.204	0.578	0.221
3	OLS06a	g66b	0.0	1.0	1.0	0.667	0.5	1.0	0.654	0.0	0.0	57.33	56.91	235	-32.37	-46.79	17.36	25.26	70.76	0.153	0.223	0.196	0.285	0.799	-2.602	0.649	0.905	-0.221	0.643	0.893
4	OLS06a	r27j	1.0	0.0	0.0	0.069	0.5	1.0	0.122	0.0	0.0	45.87	96.74	44	69.79	66.99	28.97	15.17	0.85	0.644	0.337	0.327	0.171	0.01	0.902	0.061	-0.085	0.773	0.088	-0.098
5	OLS06a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.982	0.0	0.0	46.07	80.63	354	80.12	-9.03	31.95	15.32	21.28	0.466	0.223	0.361	0.173	0.24	0.898	-0.193	0.526	0.766	-0.148	0.511
6	OLS06a	j05g	1.0	1.0	0.0	0.264	0.5	1.0	0.267	0.0	0.0	90.25	97.99	96	-10.5	97.42	68.12	76.84	8.59	0.444	0.5	0.769	0.867	0.097	1.047	0.948	-0.408	1.021	0.946	0.098
7	OLS06a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.59	96.48	0.313	0.329	0.95	1.0	1.089	1.0	1.0	1.0	1.0	1.0	1.0

adapted CIELAB (a\*, b\*) chroma diagram  
System: OLS06a

$$\begin{aligned}L^*_{a,m} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,m} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,m} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,m} &= [(a^*_{a,m})^2 + (b^*_{a,m})^2]^{1/2} \\ H^*_{a,m} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.5 \\ \beta &= 0.5\end{aligned}$$

C Cyan blue

LCH\*<sub>a,C</sub> = 57.3 56.9 235

LAB\*<sub>a,C</sub> = 57.3 -32.3 -46.7

Mean CIELAB

LCH\*<sub>a,m</sub> = 38.3 49.81 275

LAB\*<sub>a,m</sub> = 38.3 4.17 -49.63

S Standard

LCH\*<sub>a,s</sub> = 38.3 49.81 275

LAB\*<sub>a,s</sub> = 38.3 8.38 -99.64

V Violet blue

LCH\*<sub>a,V</sub> = 19.3 66.4 308

LAB\*<sub>a,V</sub> = 19.3 40.7 -52.4

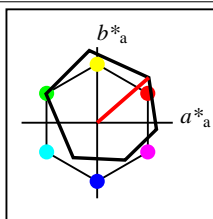
adapted CIELAB data for the two hue angles of C and V; data LAB\*<sub>a</sub>LCH\*<sub>a</sub> LAB\*<sub>a</sub>LAB\*<sub>a</sub>

YE050-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: OLS06, page 18/24

BAM-test chart YE05; Colorimetry for colours M of: OLS06 input: olv\* setrgbcolor

Device CIELAB data for C, V and mean CIELAB m; page 18/24 output: olv\* setrgbcolor / w\* setgray





%Gamut

u\*<sub>rel</sub> = 108

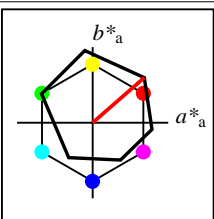
%Regularity

g\*<sub>H,rel</sub> = 55

g\*<sub>C,rel</sub> = 58

OLS11

	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	46.57	68.27	59.62	90.64	41
Y <sub>M</sub>	90.29	-10.42	95.45	96.02	96
L <sub>M</sub>	49.7	-67.59	38.19	77.64	151
C <sub>M</sub>	57.76	-31.67	-46.18	56.01	236
V <sub>M</sub>	21.67	36.81	-49.36	61.58	307
M <sub>M</sub>	46.77	78.45	-8.79	78.94	354
N <sub>M</sub>	10.99	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 108

%Regularity

g\*<sub>H,rel</sub> = 55

g\*<sub>C,rel</sub> = 58

OLS11a; adapted CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	46.57	68.27	59.62	90.64	41
Y <sub>Ma</sub>	90.29	-10.42	95.45	96.02	96
L <sub>Ma</sub>	49.7	-67.59	38.19	77.64	151
C <sub>Ma</sub>	57.76	-31.67	-46.18	56.01	236
V <sub>Ma</sub>	21.67	36.81	-49.36	61.58	307
M <sub>Ma</sub>	46.77	78.45	-8.79	78.94	354
N <sub>Ma</sub>	10.99	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ* <sub>a,CIE</sub>	xy* <sub>a,CIE</sub>	XYZ* <sub>RGB</sub>	RGB*sRGB	RGB'AdobeRGB													
0	OLS11a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	10.99	0.0	0	0.0	0.0	1.2	1.26	1.37	0.313	0.329	0.014	0.014	0.015	0.124	0.124	0.124	0.145	0.145	0.145	
1	OLS11a	b31r	0.0	0.0	1.0	0.828	0.5	1.0	0.852	0.0	0.0	21.67	61.58	307	36.81	-49.36	6.01	3.42	20.34	0.202	0.115	0.068	0.039	0.23	0.237	0.135	0.526	0.225	0.154	0.512	
2	OLS11a	j84g	0.0	1.0	0.0	0.461	0.5	1.0	0.418	0.0	0.0	49.7	77.64	151	-67.59	38.19	7.62	18.17	5.76	0.242	0.576	0.086	0.205	0.065	-0.89	0.587	0.195	0.224	0.582	0.239	
3	OLS11a	g67b	0.0	1.0	1.0	0.669	0.5	1.0	0.654	0.0	0.0	57.76	56.01	236	-31.67	-46.18	17.84	25.71	70.93	0.156	0.225	0.201	0.29	0.801	-2.491	0.652	0.905	-0.199	0.646	0.894	
4	OLS11a	r23j	1.0	0.0	0.0	0.058	0.5	1.0	0.114	0.0	0.0	46.57	90.64	41	68.27	59.62	29.35	15.69	1.53	0.63	0.337	0.331	0.177	0.017	0.903	0.112	0.007	0.775	0.133	0.044	
5	OLS11a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.982	0.0	0.0	46.77	78.94	354	78.45	-8.79	32.33	15.84	21.82	0.462	0.226	0.365	0.179	0.246	0.899	-0.099	0.531	0.768	-0.11	0.516	
6	OLS11a	j05g	1.0	1.0	0.0	0.264	0.5	1.0	0.267	0.0	0.0	90.29	96.02	96	-10.42	95.45	68.24	76.93	9.22	0.442	0.498	0.77	0.868	0.104	1.047	0.949	-0.313	1.021	0.947	0.14	
7	OLS11a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.59	96.48	0.313	0.329	0.95	1.0	1.089	1.0	1.0	1.0	1.0	1.0	1.0	

adapted CIELAB (a\*, b\*) chroma diagram  
System: OLS11a

C = cyan blue

V = violet blue

m = mean CIELAB data between C and V

S = standard radius 100

$$\begin{aligned}L^*_{a,m} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,m} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,m} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,m} &= [(a^*_{a,m})^2 + (b^*_{a,m})^2]^{1/2} \\ H^*_{a,m} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.5 \\ \beta &= 0.5\end{aligned}$$

C Cyan blue

LCH\*<sub>a,C</sub> = 57.8 56.0 236

LAB\*<sub>a,C</sub> = 57.8 -31.6 -46.1

Mean CIELAB

LCH\*<sub>a,m</sub> = 39.72 47.85 273

LAB\*<sub>a,m</sub> = 39.72 2.57 -47.77

S Standard

LCH\*<sub>a,s</sub> = 39.72 47.85 273

LAB\*<sub>a,s</sub> = 39.72 5.36 -99.85

V Violet blue

LCH\*<sub>a,V</sub> = 21.7 61.6 307

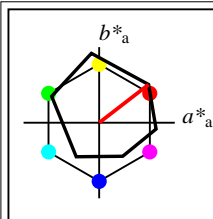
LAB\*<sub>a,V</sub> = 21.7 36.8 -49.3

adapted CIELAB data for the two hue angles of C and V; data LAB\*<sub>a</sub>LCH\*<sub>a</sub> LAB\*<sub>a</sub>LAB\*<sub>a</sub>

YE050-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: OLS11, page 19/24

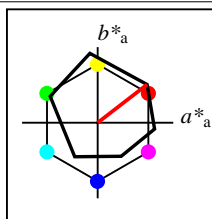
BAM-test chart YE05; Colorimetry for colours M of: OLS11 input: olv\* setrgbcolor

Device CIELAB data for C, V and mean CIELAB m; page 19/24 output: olv\* setrgbcolor / w\* setgray



%Gamut  
 $u^*_{rel} = 93$   
%Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

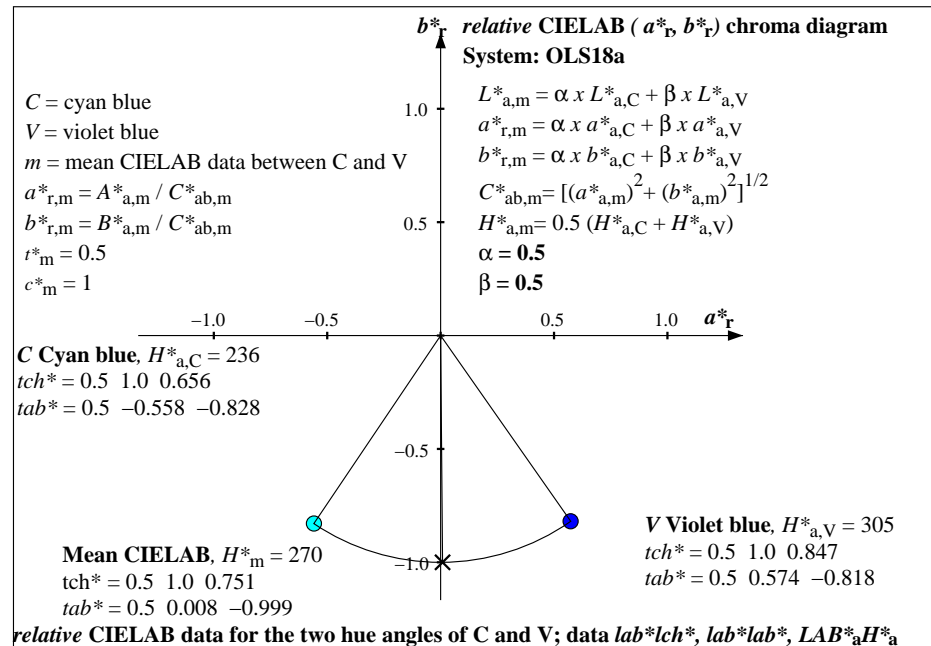
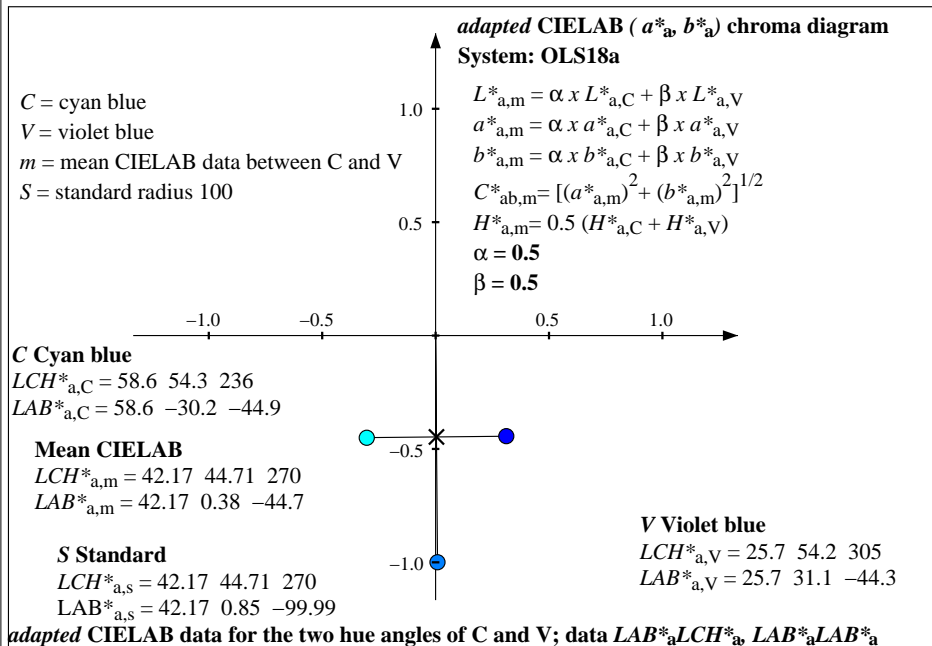
OLS18	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	47.94	65.39	50.52	82.63	38
$Y_M$	90.37	-10.25	91.75	92.32	96
$L_M$	50.9	-62.82	34.96	71.9	151
$C_M$	58.62	-30.33	-45.0	54.28	236
$V_M$	25.72	31.1	-44.39	54.21	305
$M_M$	48.13	75.28	-8.35	75.74	354
$N_M$	18.01	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

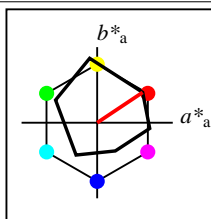


%Gamut  
 $u^*_{rel} = 93$   
%Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

OLS18a; adapted CIELAB data	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	47.94	65.39	50.52	82.63	38
$Y_{Ma}$	90.37	-10.25	91.75	92.32	96
$L_{Ma}$	50.9	-62.82	34.96	71.9	151
$C_{Ma}$	58.62	-30.33	-45.0	54.28	236
$V_{Ma}$	25.72	31.1	-44.39	54.21	305
$M_{Ma}$	48.13	75.28	-8.35	75.74	354
$N_{Ma}$	18.01	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

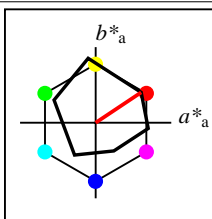
n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	$XYZ_{RGB}$	$RGB'_{sRGB}$	$RGB'_{AdobeRGB}$
0	OLS18a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 0.198 0.198
1	OLS18a	b28r	0.0	0.0	1.0	0.822	0.5	1.0	0.847	0.0	0.0	25.72 54.21 305	31.1 -44.39	7.14 4.65 21.43	0.215 0.14	0.081 0.053 0.242	0.271 0.192 0.537	0.259 0.205 0.523
2	OLS18a	j84g	0.0	1.0	0.0	0.461	0.5	1.0	0.419	0.0	0.0	50.9 71.9 151	-62.82 34.96	8.72 19.18 7.07	0.249 0.548	0.098 0.217 0.08	-0.691 0.596 0.237	0.259 0.591 0.271
3	OLS18a	g67b	0.0	1.0	1.0	0.669	0.5	1.0	0.656	0.0	0.0	58.62 54.28 236	-30.33 -45.0	18.8 26.62 71.3	0.161 0.228	0.212 0.3	0.805 -2.268 0.659	0.907 -0.143 0.653
4	OLS18a	r18j	1.0	0.0	0.0	0.047	0.5	1.0	0.105	0.0	0.0	47.94 82.63 38	65.39 50.52	30.15 16.75 2.9	0.605 0.336	0.34 0.189	0.033 0.904 0.177	0.128 0.779 0.191
5	OLS18a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.982	0.0	0.0	48.13 75.74 354	75.28 -8.35	33.08 16.9 22.9	0.454 0.232	0.373 0.191	0.258 0.9 0.077	0.542 0.772 0.102
6	OLS18a	j05g	1.0	1.0	0.0	0.264	0.5	1.0	0.268	0.0	0.0	90.37 92.32 96	-10.25 91.75	68.48 77.1 10.48	0.439 0.494	0.773 0.87	0.118 1.046 0.949	-0.121 1.02 0.948
7	OLS18a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0	1.089 1.0 1.0	1.0 1.0 1.0





%Gamut  
 $u^*_{rel} = 74$   
%Regularity  
 $g^*_{H,rel} = 60$   
 $g^*_{C,rel} = 52$

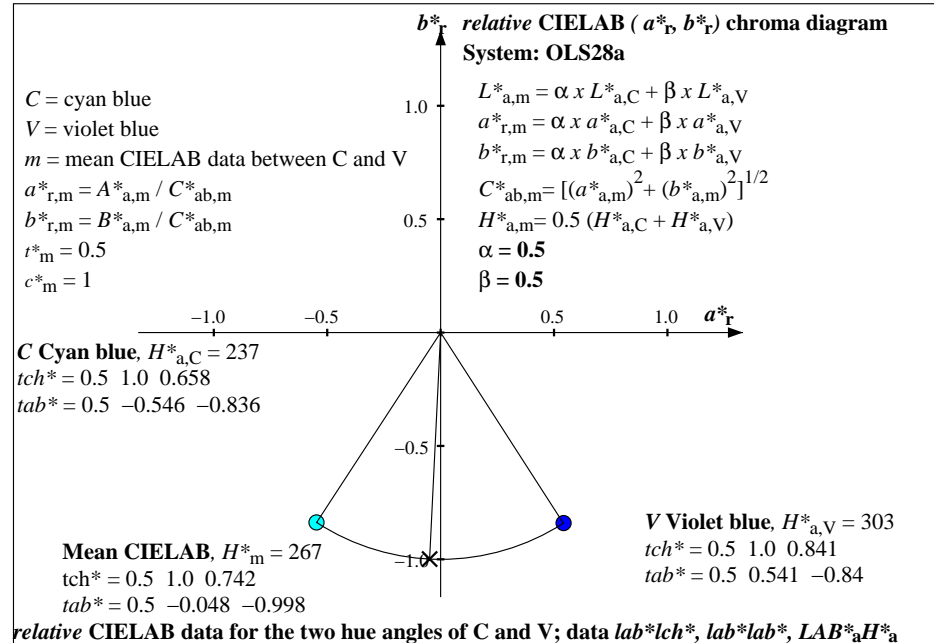
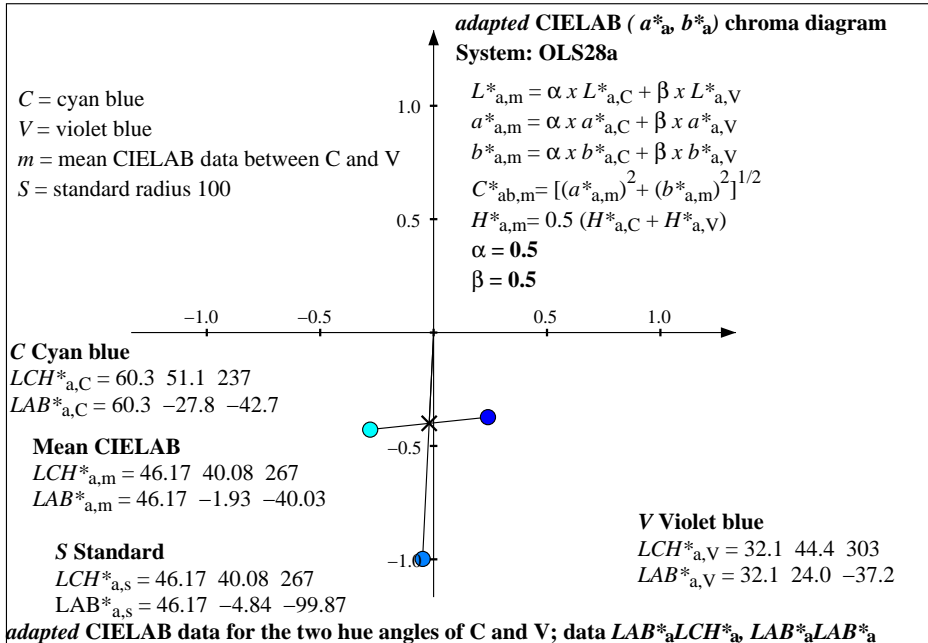
OLS28	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	50.51	60.17	40.13	72.32	34
$Y_M$	90.52	-9.91	85.2	85.78	97
$L_M$	53.18	-55.03	30.0	62.68	151
$C_M$	60.28	-27.9	-42.74	51.05	237
$V_M$	32.06	24.02	-37.31	44.38	303
$M_M$	50.68	69.5	-7.56	69.91	354
$N_M$	26.85	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

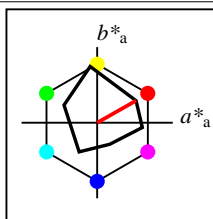


%Gamut  
 $u^*_{rel} = 74$   
%Regularity  
 $g^*_{H,rel} = 60$   
 $g^*_{C,rel} = 52$

OLS28a; adapted CIELAB data	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	50.51	60.17	40.13	72.32	34
$Y_{Ma}$	90.52	-9.91	85.2	85.78	97
$L_{Ma}$	53.18	-55.03	30.0	62.68	151
$C_{Ma}$	60.28	-27.9	-42.74	51.05	237
$V_{Ma}$	32.06	24.02	-37.31	44.38	303
$M_{Ma}$	50.68	69.5	-7.56	69.91	354
$N_{Ma}$	26.85	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

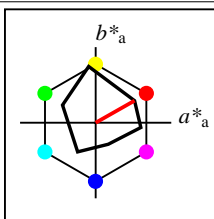
n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	$XYZ^*_{RGB}$	$RGB^*_{sRGB}$	$RGB^*_{AdobeRGB}$
0	OLS28a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	26.85 0.0 0	0.0 0.0	4.79 5.04 5.49	0.313 0.329	0.054 0.057 0.062	0.265 0.265 0.265	0.272 0.272 0.272
1	OLS28a	b27r	0.0	0.0	1.0	0.819	0.5	1.0	0.841	0.0	0.0	32.06 44.38 303	24.02 -37.31	9.39 7.11 23.63	0.234 0.177	0.106 0.08 0.267	0.327 0.269 0.558	0.316 0.276 0.545
2	OLS28a	j84g	0.0	1.0	0.0	0.461	0.5	1.0	0.421	0.0	0.0	53.18 62.69 151	-55.03 30.0	10.93 21.21 9.69	0.261 0.507	0.123 0.239 0.109	-0.292 0.613 0.301	0.315 0.607 0.325
3	OLS28a	g67b	0.0	1.0	1.0	0.669	0.5	1.0	0.658	0.0	0.0	60.28 51.05 237	-27.9 -42.74	20.71 28.44 72.04	0.171 0.235	0.234 0.321 0.813	-1.823 0.672 0.91	0.151 0.666 0.899
4	OLS28a	r12j	1.0	0.0	0.0	0.031	0.5	1.0	0.094	0.0	0.0	50.51 72.32 34	60.17 40.13	31.73 18.85 5.64	0.564 0.335	0.358 0.213 0.064	0.907 0.26 0.232	0.786 0.267 0.242
5	OLS28a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.983	0.0	0.0	50.68 69.91 354	69.5 -7.56	34.57 18.99 25.05	0.44 0.242	0.39 0.214 0.283	0.903 0.209 0.563	0.779 0.22 0.548
6	OLS28a	j06g	1.0	1.0	0.0	0.267	0.5	1.0	0.268	0.0	0.0	90.52 85.78 97	-9.91 85.2	68.93 77.43 12.99	0.433 0.486	0.778 0.874 0.147	1.045 0.951 0.152	1.02 0.949 0.269
7	OLS28a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut  
 $u^*_{rel} = 51$   
%Regularity  
 $g^*_{H,rel} = 62$   
 $g^*_{C,rel} = 44$

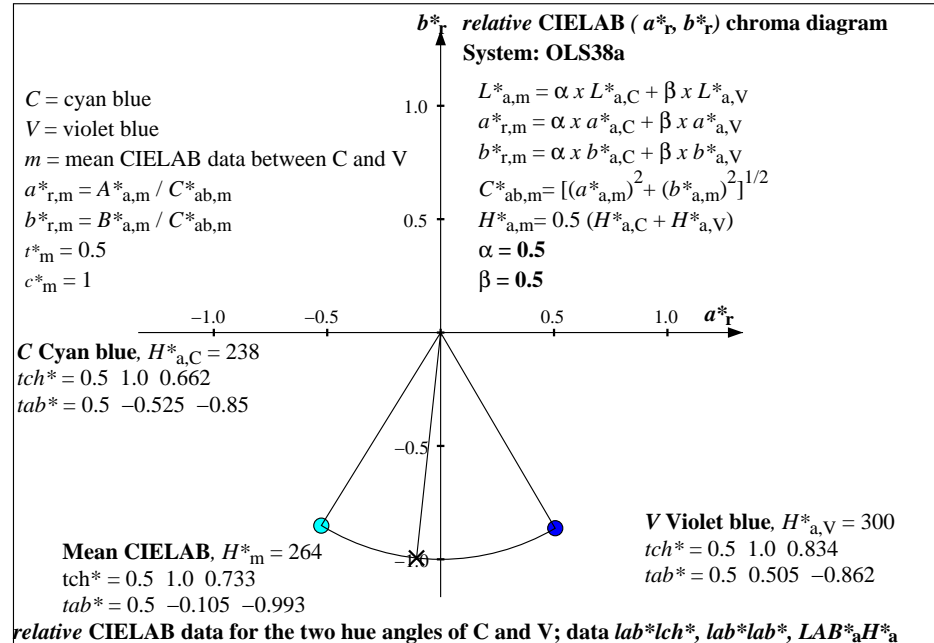
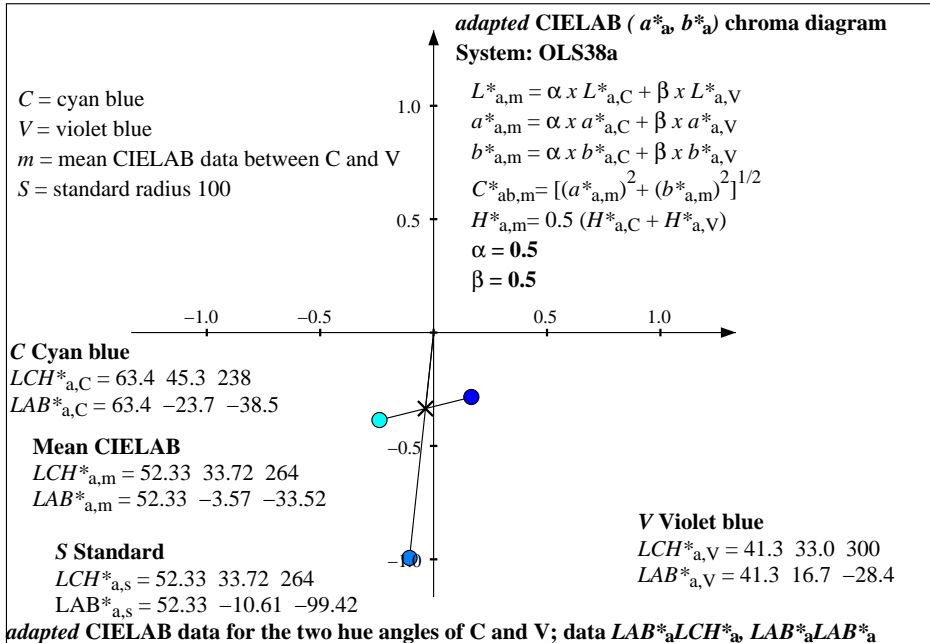
OLS38	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
$O_M$	55.13	51.42	29.16	59.11	30
$Y_M$	90.83	-9.24	74.37	74.94	97
$L_M$	57.35	-43.83	23.35	49.67	152
$C_M$	63.39	-23.82	-38.55	45.33	238
$V_M$	41.26	16.67	-28.48	33.01	300
$M_M$	55.27	59.74	-6.31	60.07	354
$N_M$	37.99	0.0	0.0	0.0	0
$W_M$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

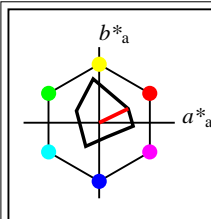


%Gamut  
 $u^*_{rel} = 51$   
%Regularity  
 $g^*_{H,rel} = 62$   
 $g^*_{C,rel} = 44$

OLS38a; adapted CIELAB data	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
$O_{Ma}$	55.13	51.42	29.16	59.11	30
$Y_{Ma}$	90.83	-9.24	74.37	74.94	97
$L_{Ma}$	57.35	-43.83	23.35	49.67	152
$C_{Ma}$	63.39	-23.82	-38.55	45.33	238
$V_{Ma}$	41.26	16.67	-28.48	33.01	300
$M_{Ma}$	55.27	59.74	-6.31	60.07	354
$N_{Ma}$	37.99	0.0	0.0	0.0	0
$W_{Ma}$	95.41	0.0	0.0	0.0	0
$R_{CIE}$	39.92	58.74	27.99	65.07	25
$J_{CIE}$	81.26	-2.88	71.56	71.62	92
$G_{CIE}$	52.23	-42.41	13.6	44.55	162
$B_{CIE}$	30.57	1.41	-46.46	46.49	272

n	System	$u^*$	$o^*_3$	$l^*_3$	$v^*_3$	$e^*$	$t^*$	$c^*$	$h^*$	$n^*$	$w^*$	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	$XYZ^*_{RGB}$	$RGB^*_{sRGB}$	$RGB^*_{AdobeRGB}$
0	OLS38a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	37.99 0.0 0	0.0 0.0	9.58 10.08 10.98	0.313 0.329	0.108 0.114 0.124	0.372 0.372 0.372	0.372 0.372 0.372
1	OLS38a	b24r	0.0	0.0	1.0	0.811	0.5	1.0	0.834	0.0	0.0	41.26 33.01 300	16.67 -28.48	13.91 12.03 28.02	0.258 0.223	0.157 0.136 0.316	0.413 0.375 0.597	0.402 0.375 0.585
2	OLS38a	j85g	0.0	1.0	0.0	0.464	0.5	1.0	0.422	0.0	0.0	57.35 49.67 152	-43.83 23.35	15.36 25.28 14.93	0.276 0.455	0.173 0.285 0.168	0.218 0.646 0.395	0.402 0.64 0.408
3	OLS38a	g68b	0.0	1.0	1.0	0.672	0.5	1.0	0.662	0.0	0.0	63.39 45.33 238	-23.82 -38.55	24.54 32.06 73.51	0.189 0.246	0.277 0.362 0.83	-0.934 0.698 0.916	0.308 0.692 0.905
4	OLS38a	r06j	1.0	0.0	0.0	0.017	0.5	1.0	0.082	0.0	0.0	55.13 59.11 30	51.42 29.16	34.89 23.06 11.12	0.505 0.334	0.394 0.26 0.125	0.913 0.369 0.352	0.801 0.369 0.354
5	OLS38a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.983	0.0	0.0	55.27 60.07 354	59.74 -6.31	37.57 23.19 29.36	0.417 0.257	0.424 0.262 0.331	0.91 0.339 0.602	0.795 0.341 0.588
6	OLS38a	j06g	1.0	1.0	0.0	0.267	0.5	1.0	0.27	0.0	0.0	90.83 74.94 97	-9.24 74.37	69.86 78.11 18.03	0.421 0.471	0.788 0.882 0.203	1.042 0.954 0.312	1.019 0.952 0.371
7	OLS38a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0





%Gamut

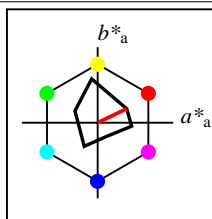
u\*<sub>rel</sub> = 29

%Regularity

g\*<sub>H,rel</sub> = 62

g\*<sub>C,rel</sub> = 37

OLS50	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	62.9	38.38	18.55	42.63	26
Y <sub>M</sub>	91.44	-7.94	57.91	58.45	98
L <sub>M</sub>	64.49	-30.05	15.67	33.9	152
C <sub>M</sub>	68.98	-17.73	-31.23	35.93	240
V <sub>M</sub>	53.87	10.09	-18.83	21.37	298
M <sub>M</sub>	63.0	44.96	-4.55	45.19	354
N <sub>M</sub>	52.02	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 29

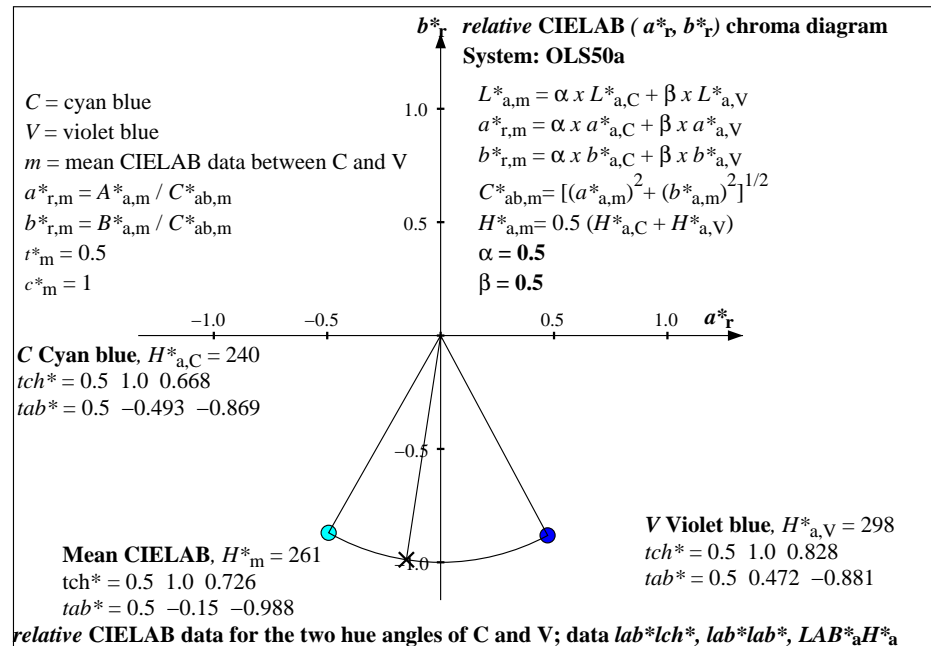
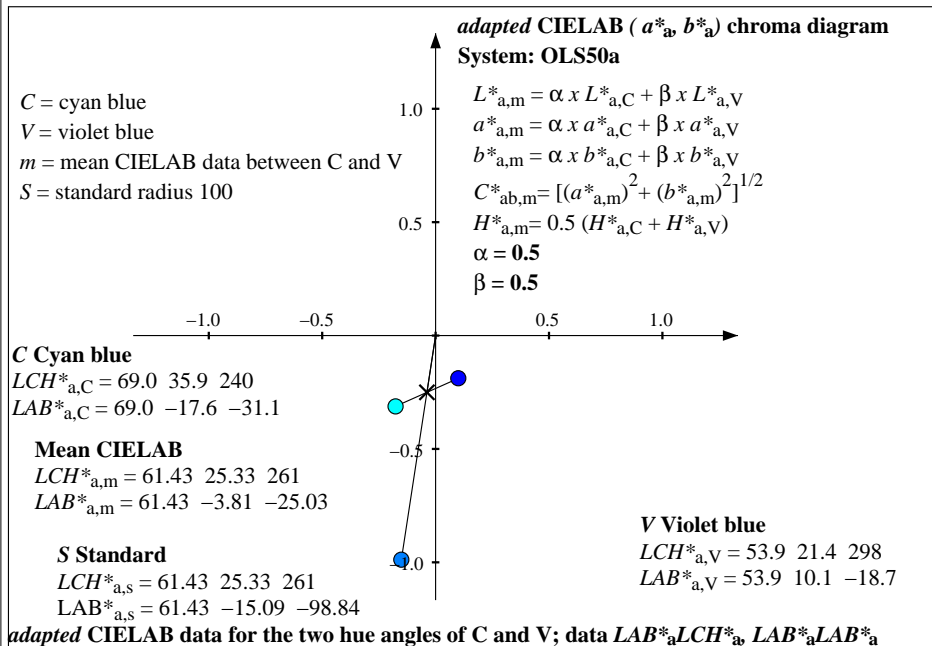
%Regularity

g\*<sub>H,rel</sub> = 62

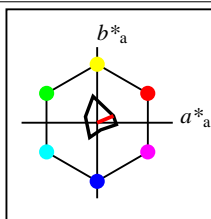
g\*<sub>C,rel</sub> = 37

OLS50a; adapted CIELAB data	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	62.9	38.38	18.55	42.63	26
Y <sub>Ma</sub>	91.44	-7.94	57.91	58.45	98
L <sub>Ma</sub>	64.49	-30.05	15.67	33.9	152
C <sub>Ma</sub>	68.98	-17.73	-31.23	35.93	240
V <sub>Ma</sub>	53.87	10.09	-18.83	21.37	298
M <sub>Ma</sub>	63.0	44.96	-4.55	45.19	354
N <sub>Ma</sub>	52.02	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ <sub>a,CIE</sub>	xy <sub>a,CIE</sub>	XYZ <sub>RGB</sub>	RGB'sRGB	RGB'AdobeRGB
0	OLS50a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	52.02 0.0 0	0.0 0.0	19.16 20.16 21.96	0.313 0.329	0.216 0.228 0.248	0.514 0.514 0.514	0.51 0.51 0.51
1	OLS50a	b23r	0.0	0.0	1.0	0.808	0.5	1.0	0.828	0.0	0.0	53.87 21.37 298	10.09 -18.83	22.93 21.85 36.8	0.281 0.268	0.259 0.247 0.415	0.539 0.516 0.668	0.528 0.512 0.656
2	OLS50a	j85g	0.0	1.0	0.0	0.464	0.5	1.0	0.424	0.0	0.0	64.49 33.9 152	-30.05 15.67	24.2 33.41 25.4	0.292 0.403	0.273 0.377 0.287	0.44 0.705 0.528	0.699 0.532
3	OLS50a	g71b	0.0	1.0	1.0	0.678	0.5	1.0	0.668	0.0	0.0	68.98 35.93 240	-17.73 -31.23	32.2 39.32 76.46	0.218 0.266	0.363 0.444 0.863	0.283 0.746 0.927	0.474 0.74 0.918
4	OLS50a	r01j	1.0	0.0	0.0	0.003	0.5	1.0	0.072	0.0	0.0	62.9 42.63 26	38.38 18.55	41.22 31.47 22.07	0.435 0.332	0.465 0.355 0.249	0.925 0.513 0.503	0.83 0.508 0.499
5	OLS50a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.984	0.0	0.0	63.0 45.19 354	44.96 -4.55	43.56 31.59 37.97	0.385 0.279	0.492 0.357 0.429	0.922 0.496 0.671	0.825 0.492 0.659
6	OLS50a	j07g	1.0	1.0	0.0	0.269	0.5	1.0	0.272	0.0	0.0	91.44 58.45 98	-7.94 57.91	71.7 79.45 28.1	0.4 0.443	0.809 0.897 0.317	1.037 0.96 0.482	1.016 0.959 0.509
7	OLS50a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0







%Gamut

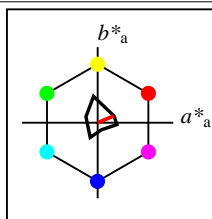
u\*<sub>rel</sub> = 10

%Regularity

g\*<sub>H,rel</sub> = 59

g\*<sub>C,rel</sub> = 30

OLS70	$L^*=L^*_a$	$a^*$	$b^*$	$C^*_{ab}$	$h_{ab}$
O <sub>M</sub>	75.01	21.53	9.07	23.36	23
Y <sub>M</sub>	92.64	-5.44	34.85	35.27	99
L <sub>M</sub>	75.86	-15.49	7.96	17.42	153
C <sub>M</sub>	78.37	-9.89	-19.5	21.88	243
V <sub>M</sub>	70.54	4.74	-9.46	10.59	297
M <sub>M</sub>	75.07	25.47	-2.45	25.59	354
N <sub>M</sub>	69.7	0.0	0.0	0.0	0
W <sub>M</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



%Gamut

u\*<sub>rel</sub> = 10

%Regularity

g\*<sub>H,rel</sub> = 59

g\*<sub>C,rel</sub> = 30

OLS70a; adapted CIELAB data	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h_{ab,a}$
O <sub>Ma</sub>	75.01	21.53	9.07	23.36	23
Y <sub>Ma</sub>	92.64	-5.44	34.85	35.27	99
L <sub>Ma</sub>	75.86	-15.49	7.96	17.42	153
C <sub>Ma</sub>	78.37	-9.89	-19.5	21.88	243
V <sub>Ma</sub>	70.54	4.74	-9.46	10.59	297
M <sub>Ma</sub>	75.07	25.47	-2.45	25.59	354
N <sub>Ma</sub>	69.7	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

n	System	u*	o* <sub>3</sub>	l* <sub>3</sub>	v* <sub>3</sub>	e*	t*	c*	h*	n*	w*	LCH* <sub>a,CIE</sub>	a*b* <sub>a,CIE</sub>	XYZ* <sub>a,CIE</sub>	xy <sub>a,CIE</sub>	XYZ <sub>RGB</sub>	RGB'sRGB	RGB'AdobeRGB
0	OLS70a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	69.7 0.0 0	0.0 0.0	38.33 40.32 43.91	0.313 0.329	0.433 0.455 0.496	0.705 0.705 0.705	0.699 0.699 0.699
1	OLS70a	b22r	0.0	0.0	1.0	0.806	0.5	1.0	0.824	0.0	0.0	70.54 10.59 297	4.74 -9.46	40.99 41.52 54.38	0.299 0.303	0.463 0.469 0.614	0.717 0.706 0.785	0.708 0.7 0.777
2	OLS70a	j86g	0.0	1.0	0.0	0.467	0.5	1.0	0.424	0.0	0.0	75.86 17.42 153	-15.49 7.96	41.87 49.66 46.33	0.304 0.36	0.473 0.561 0.523	0.672 0.807 0.712	0.708 0.802 0.71
3	OLS70a	g73b	0.0	1.0	1.0	0.683	0.5	1.0	0.675	0.0	0.0	78.37 21.88 243	-9.89 -19.5	47.53 53.84 82.36	0.259 0.293	0.536 0.608 0.93	0.619 0.832 0.949	0.682 0.827 0.943
4	OLS70a	b97r	1.0	0.0	0.0	0.994	0.5	1.0	0.063	0.0	0.0	75.01 23.36 23	21.53 9.07	53.88 48.29 43.99	0.369 0.33	0.608 0.545 0.496	0.948 0.704 0.7	0.884 0.698 0.694
5	OLS70a	b72r	1.0	0.0	1.0	0.931	0.5	1.0	0.985	0.0	0.0	75.07 25.59 354	25.47 -2.45	55.54 48.39 55.21	0.349 0.304	0.627 0.546 0.623	0.946 0.697 0.787	0.881 0.691 0.778
6	OLS70a	j10g	1.0	1.0	0.0	0.275	0.5	1.0	0.275	0.0	0.0	92.64 35.27 99	-5.44 34.85	75.39 82.15 48.24	0.366 0.399	0.851 0.927 0.544	1.026 0.972 0.69	1.012 0.971 0.699
7	OLS70a	r00j	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	95.41 0.0 0	0.0 0.0 0.0	84.21 88.59 96.48	0.313 0.329	0.95 1.0 1.089	1.0 1.0 1.0	1.0 1.0 1.0

