

%Gamut

u*_{rel} = 94

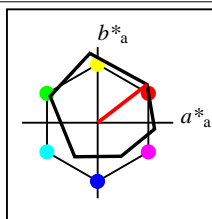
%Regularity

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	355
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	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	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	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	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	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	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	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	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	

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

C = cyan blue
V = violet blue
h = half hue between hue of C and V
S = standard radius 100

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

C Cyan blue
LCH*_{a,C} = 58.6 54.3 236
LAB*_{a,C} = 58.6 -30.2 -44.9

Mean hue
LCH*_{a,h} = 42.16 44.72 271
LAB*_{a,h} = 42.16 0.4 -44.71

S Standard
LCH*_{a,s} = 42.17 100.0 271
LAB*_{a,s} = 42.17 0.89 -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*_aLCH*_a LAB*_aLAB*_a

YE040-7, 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 YE04; Colorimetry for colours M of: ORS18
Device CIELAB data for C, V and mean hue h; page 1/24

relative CIELAB (a*, b*) chroma diagram
System: ORS18a

C = cyan blue
V = violet blue
h = half hue between hue of C and V
 $a^*_{r,h} = a^*_{a,h} / C^*_{ab,h}$
 $b^*_{r,h} = b^*_{a,h} / C^*_{ab,h}$
 $r^*_h = 0.5$
 $c^*_h = 1$

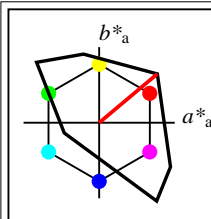
C Cyan blue, $H^*_{a,C} = 236$
tch*_C = 0.5 1.0 0.656
tab*_C = 0.5 -0.558 -0.828

mean hue, $H^*_{a,h} = 271$
tch*_h = 0.5 1.0 0.751
tab*_h = 0.5 0.009 -0.999

relative CIELAB data for the two hue angles of C and V; data lab*lch* lab*lab* LAB*_aH*_a

input: olv* setrgbcolor

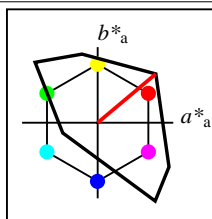
output: no change compared to input



%Gamut
 $u^*_{rel} = 158$

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

TLS000					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	50.5	76.92	64.55	100.42	40
Y_M	92.66	-20.69	90.75	93.08	103
L_M	83.63	-82.75	79.9	115.04	136
C_M	86.88	-46.16	-13.55	48.12	196
V_M	30.39	76.06	-103.59	128.52	306
M_M	57.3	94.35	-58.41	110.97	328
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

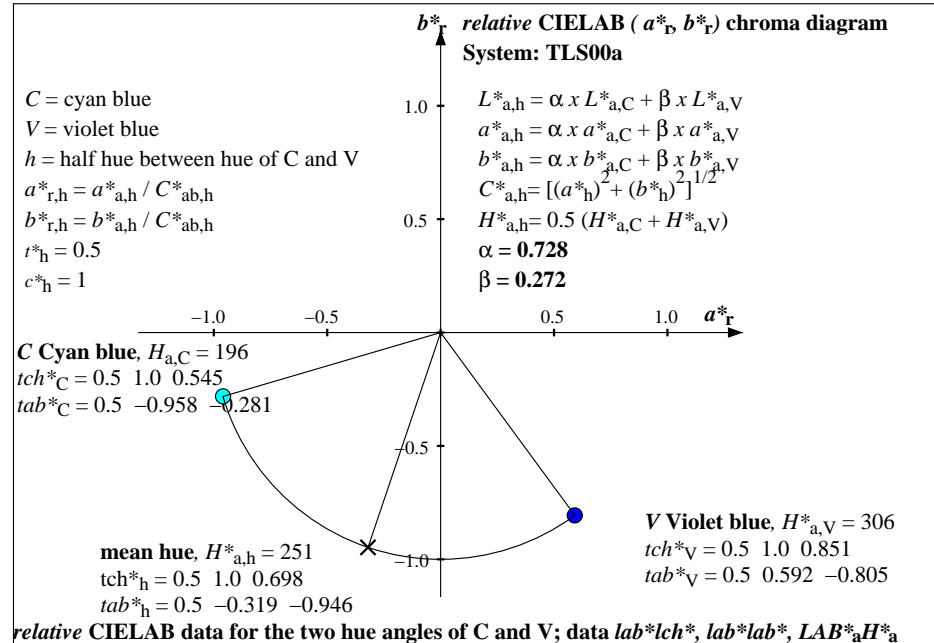
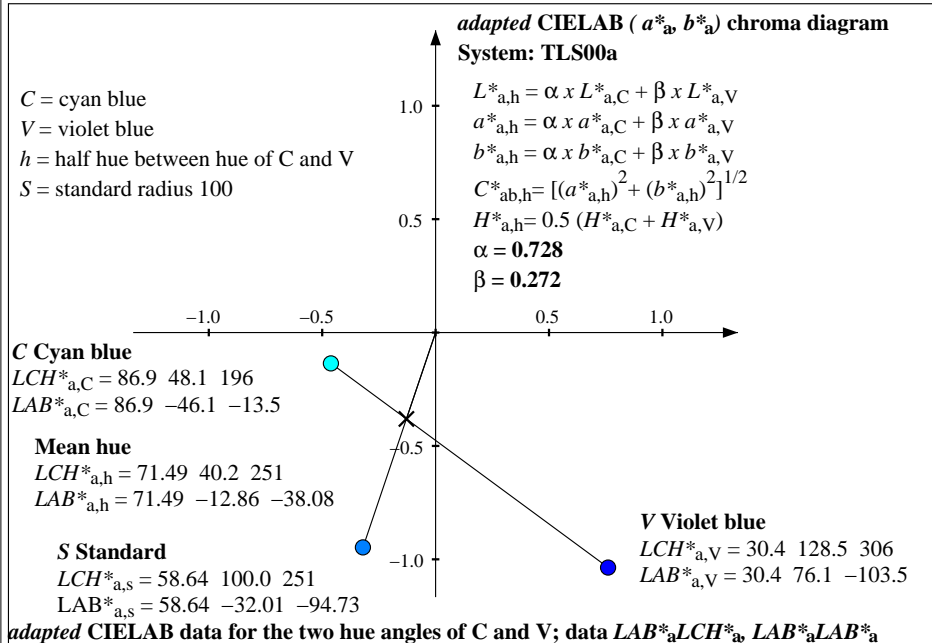


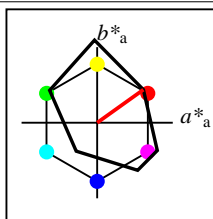
%Gamut
 $u^*_{rel} = 158$

%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_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	-20.69	90.75	93.08	103
L_{Ma}	83.63	-82.75	79.9	115.04	136
C_{Ma}	86.88	-46.16	-13.55	48.12	196
V_{Ma}	30.39	76.06	-103.59	128.52	306
M_{Ma}	57.3	94.35	-58.41	110.97	328
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

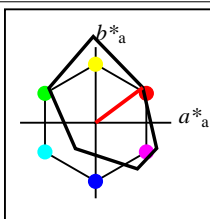
n	System	u^*	o^*_3	l^*_3	v^*_3	e^*	t^*	c^*	h^*	n^*	w^*	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	XYZ^*_{RGB}	RGB^*_{sRGB}	$RGB^*_{AdobeRGB}$
0	TLS00a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.01 0.0 0	0.0 0.0	0.0 0.0 0.0	0.328 0.322	0.0 0.0 0.0	0.0 0.0 0.0	0.006 0.006 0.006
1	TLS00a	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
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 43$

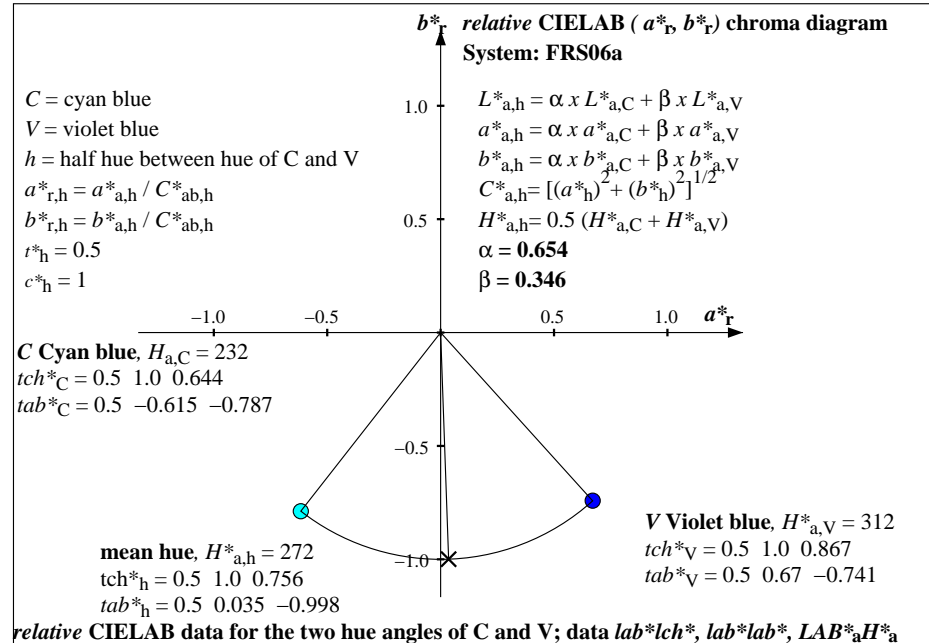
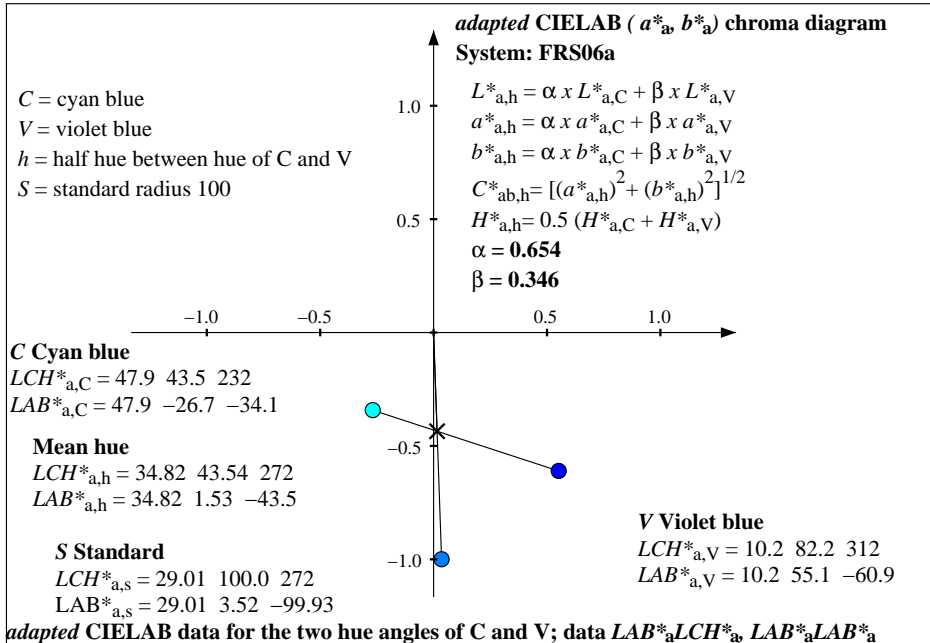
FRS06					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	32.57	61.14	43.72	75.16	36
Y_M	82.73	-3.5	109.24	109.3	92
L_M	39.43	-62.86	42.8	76.06	146
C_M	47.86	-27.72	-37.61	46.74	234
V_M	10.16	53.56	-62.91	82.63	310
M_M	34.5	79.53	-36.76	87.62	335
N_M	6.25	-1.62	-1.72	2.38	227
W_M	91.97	-0.17	-5.1	5.11	268
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

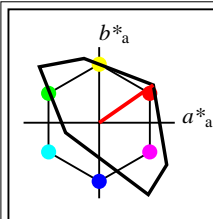


%Gamut
 $u^*_{rel} = 115$
%Regularity
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 38$

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

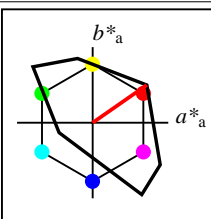
u*_{rel} = 118

%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

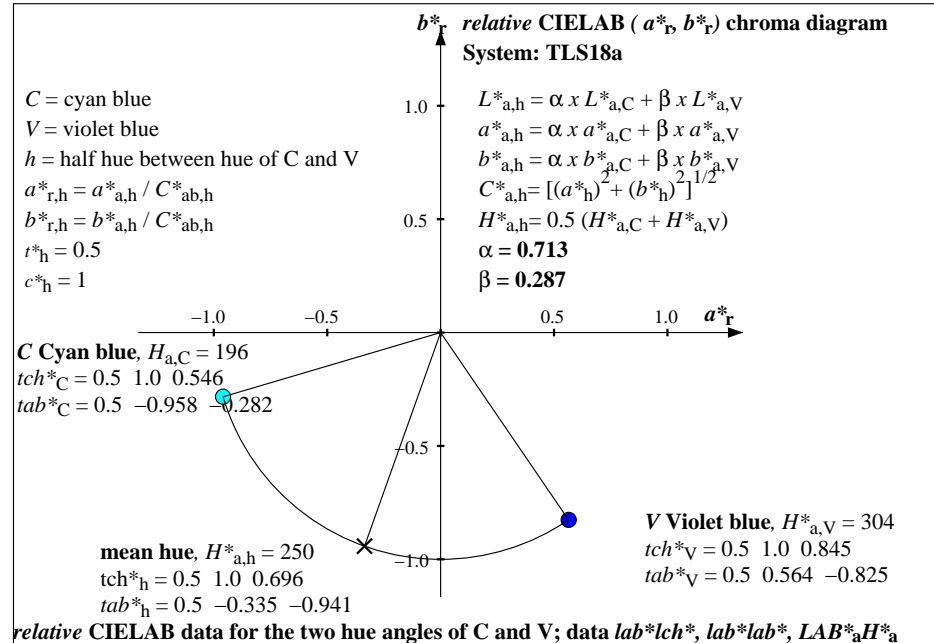
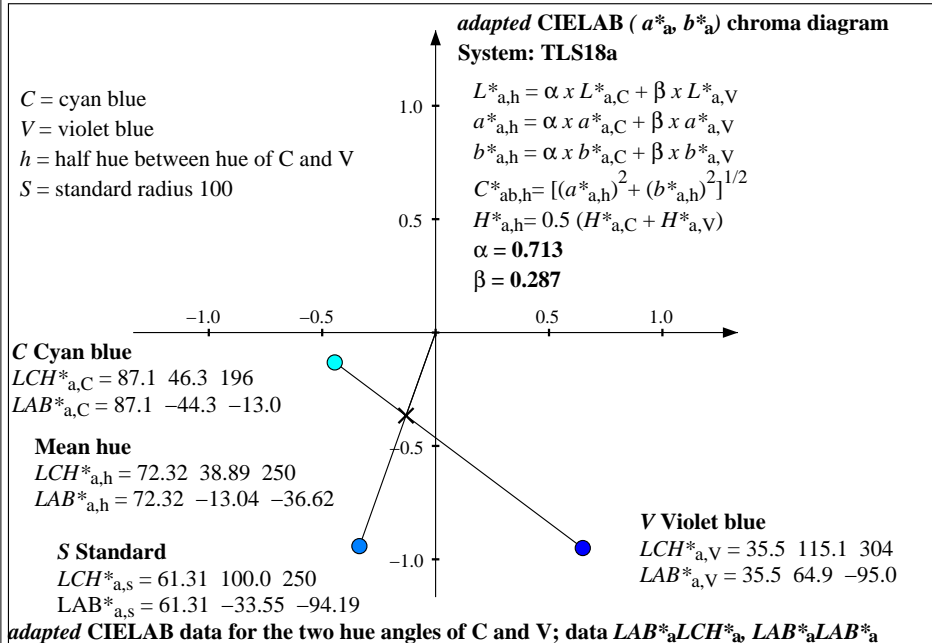
%Regularity

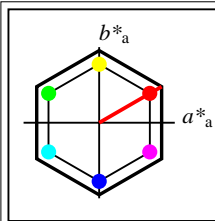
g*_{H,rel} = 22

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	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

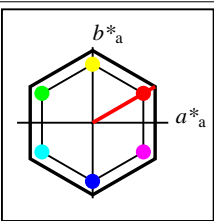
u*_{rel} = 152

%Regularity

g*_{H,rel} = 100

g*_{C,rel} = 100

NLS00					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O _M	31.81	82.62	47.7	95.4	30
Y _M	63.61	0.0	95.4	95.4	90
L _M	31.81	-82.61	47.7	95.4	150
C _M	63.61	-82.61	-47.69	95.4	210
V _M	31.81	0.0	-95.39	95.4	270
M _M	63.61	82.62	-47.69	95.4	330
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} = 152

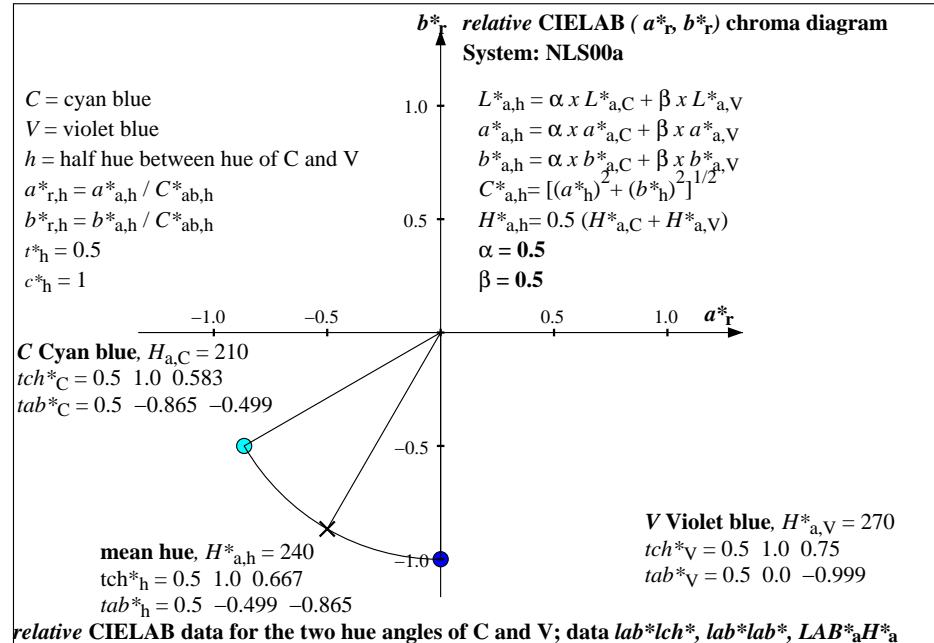
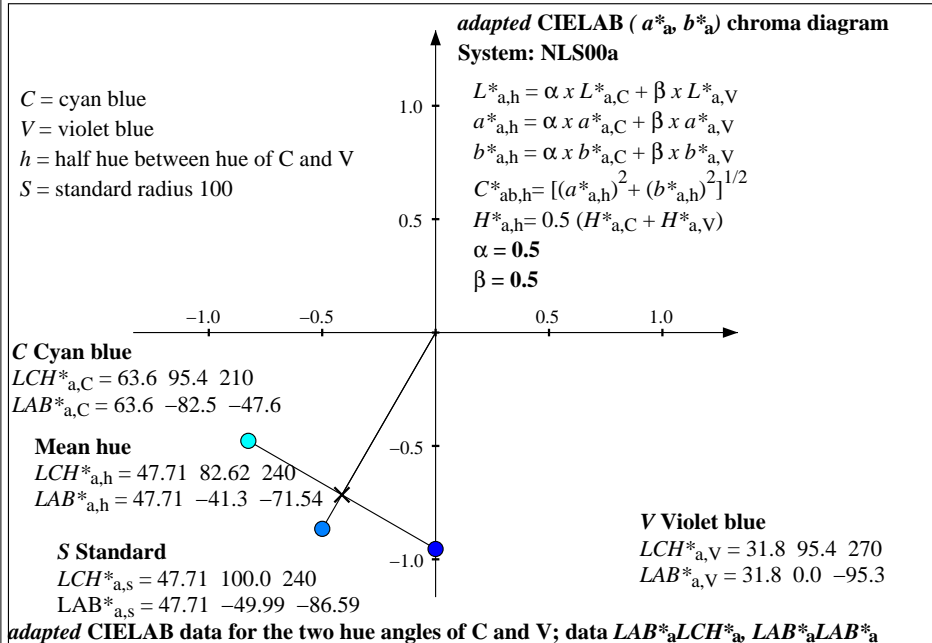
%Regularity

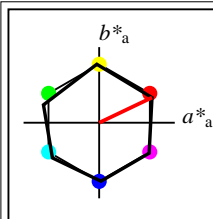
g*_{H,rel} = 100

g*_{C,rel} = 100

NLS00a; adapted CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O _{Ma}	31.81	82.62	47.7	95.4	30
Y _{Ma}	63.61	0.0	95.4	95.4	90
L _{Ma}	31.81	-82.61	47.7	95.4	150
C _{Ma}	63.61	-82.61	-47.69	95.4	210
V _{Ma}	31.81	0.0	-95.39	95.4	270
M _{Ma}	63.61	82.62	-47.69	95.4	330
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	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	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	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	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	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	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	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	0.313	0.329	0.95	1.0	1.089	1.0	1.0	1.0	1.0	1.0	1.0	





%Gamut

u*_{rel} = 100

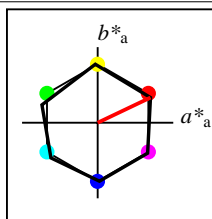
%Regularity

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

adapted CIELAB (a*, b*) chroma diagram
System: NRS18a

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

C Cyan blue

LCH*_{a,C} = 56.7 77.4 217

LAB*_{a,C} = 56.7 -61.7 -46.5

Mean hue

LCH*_{a,h} = 56.71 68.72 244

LAB*_{a,h} = 56.71 -29.72 -61.94

S Standard

LCH*_{a,s} = 56.71 100.0 244

LAB*_{a,s} = 56.71 -43.26 -90.14

V Violet blue

LCH*_{a,V} = 56.7 77.4 272

LAB*_{a,V} = 56.7 2.3 -77.2

adapted CIELAB data for the two hue angles of C and V; data LAB*_aLCH*_a LAB*_aLAB*_a

YE040-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: NRS18, page 6/24

BAM-test chart YE04; Colorimetry for colours M of: NRS18

Device CIELAB data for C, V and mean hue h; page 6/24

relative CIELAB (a*, b*) chroma diagram
System: NRS18a

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

C Cyan blue, H_{a,C} = 217

tch*_C = 0.5 1.0 0.603

tab*_C = 0.5 -0.798 -0.601

mean hue, H*_{a,h} = 244

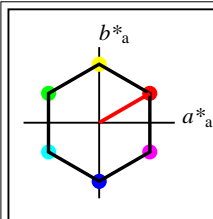
tch*_h = 0.5 1.0 0.679

tab*_h = 0.5 -0.432 -0.901

relative CIELAB data for the two hue angles of C and V; data lab*lch*, lab*lab*, LAB*_aH*_a

input: olv* setrgbcolor

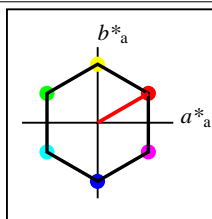
output: no change compared to input



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

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

SRS18					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	56.71	67.03	38.7	77.4	30
Y_M	56.71	0.0	77.4	77.4	90
L_M	56.71	-67.02	38.7	77.4	150
C_M	56.71	-67.02	-38.69	77.4	210
V_M	56.71	0.0	-77.39	77.4	270
M_M	56.71	67.03	-38.69	77.4	330
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

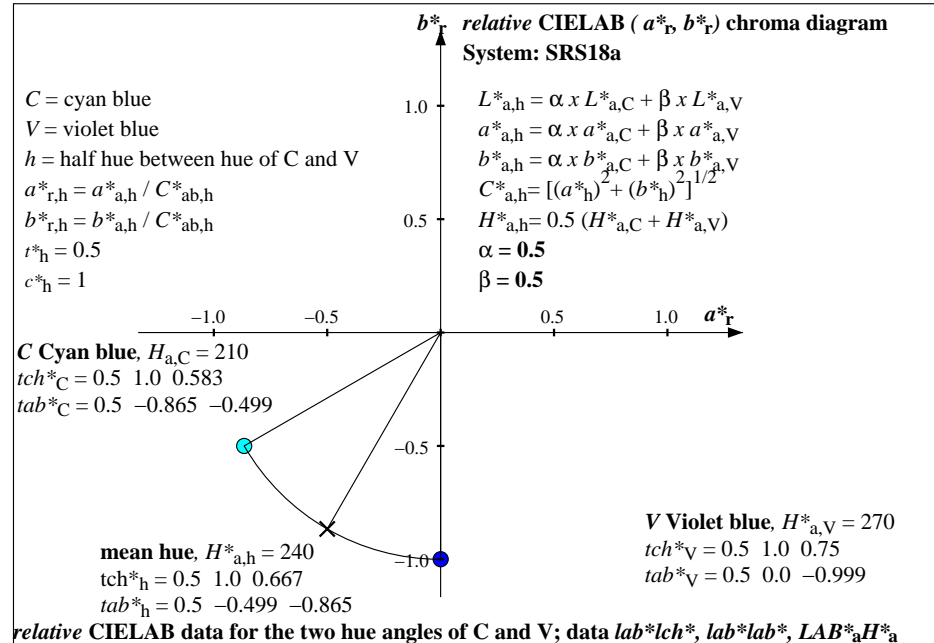
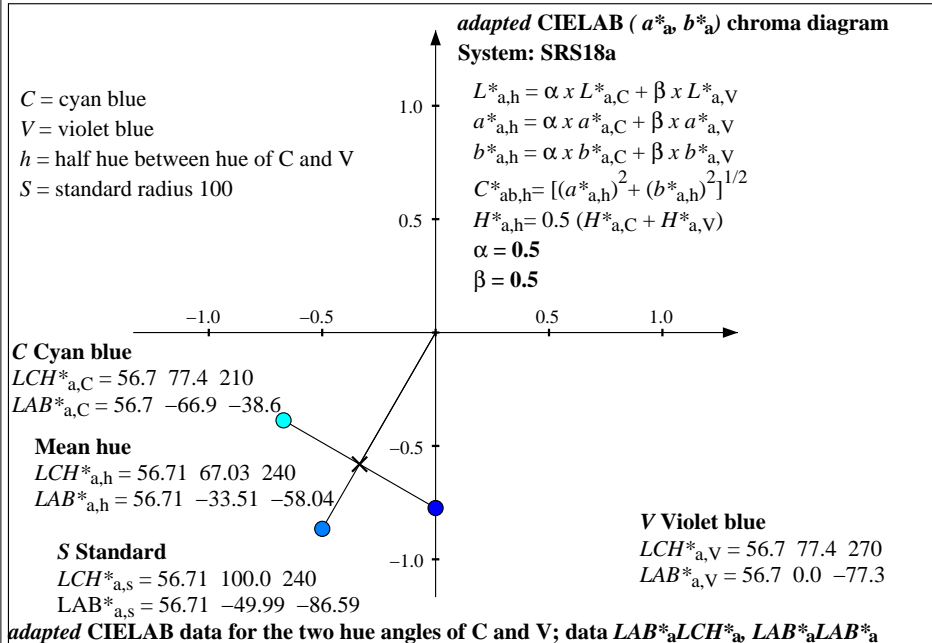


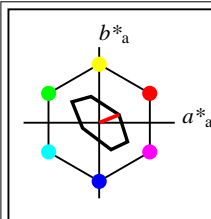
%Gamut
 $u^*_{rel} = 100$

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

SRS18a; adapted CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	-67.02	38.7	77.4	150
C_{Ma}	56.71	-67.02	-38.69	77.4	210
V_{Ma}	56.71	0.0	-77.39	77.4	270
M_{Ma}	56.71	67.03	-38.69	77.4	330
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

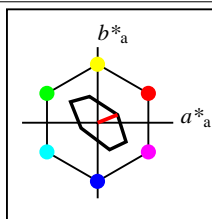
n	System	u^*	o^*_3	l^*_3	v^*_3	e^*	t^*	c^*	h^*	n^*	w^*	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	XYZ^*_{RGB}	RGB^*_{sRGB}	$RGB^*_{AdobeRGB}$
0	SRS18a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 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
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

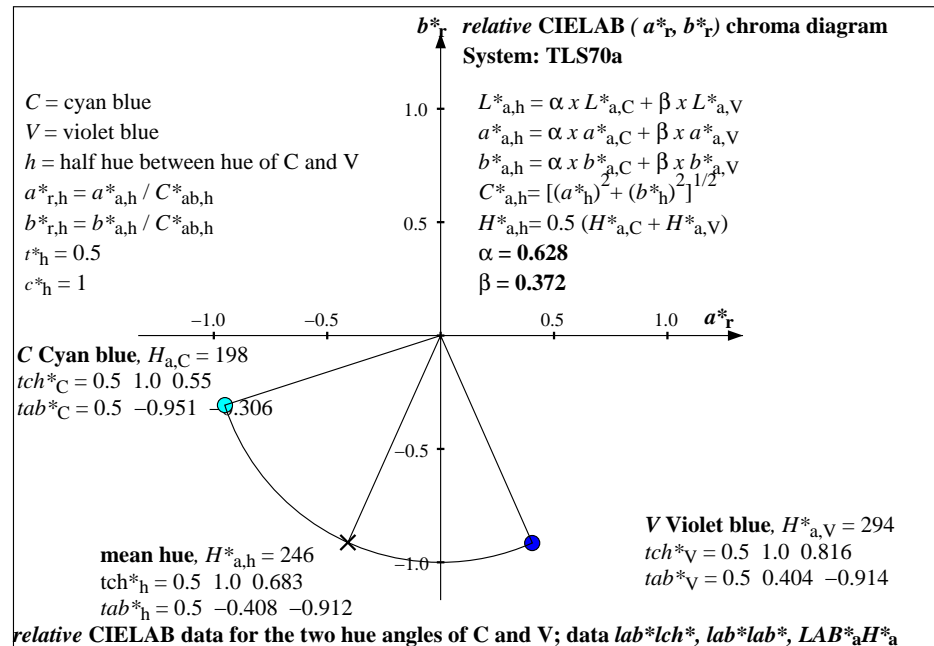
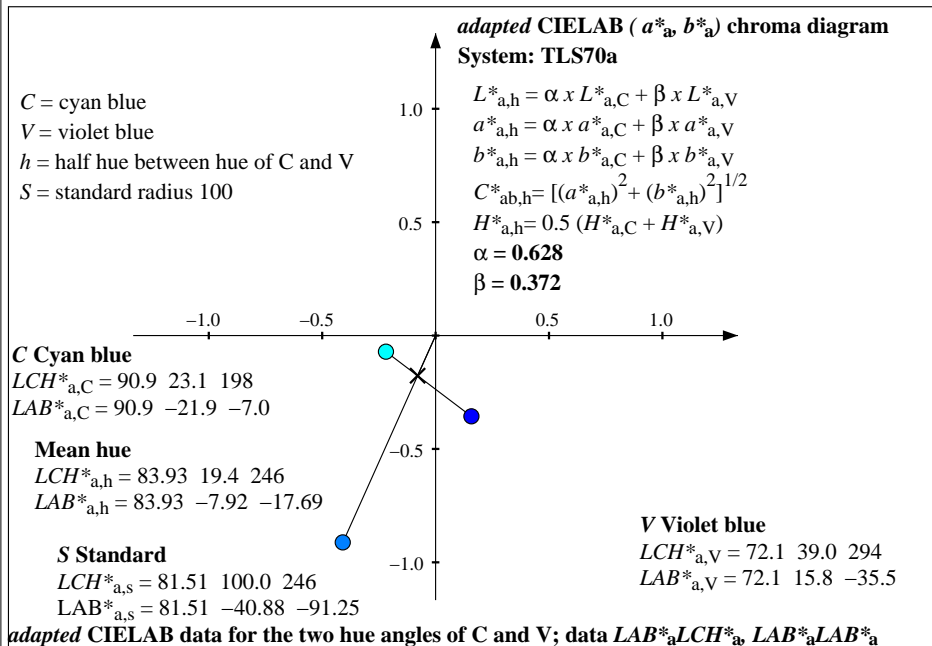
TLS70					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	76.43	26.27	10.57	28.32	22
Y_M	93.93	-10.76	34.63	36.27	107
L_M	89.32	-35.8	27.64	45.24	142
C_M	90.93	-21.95	-7.07	23.07	198
V_M	72.1	15.76	-35.63	38.97	294
M_M	78.5	37.52	-25.23	45.22	326
N_M	69.7	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

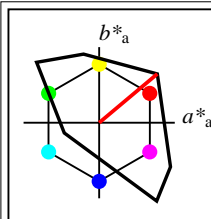


%Gamut
 $u^*_{rel} = 16$
%Regularity
 $g^*_{H,rel} = 34$
 $g^*_{C,rel} = 51$

TLS70a; adapted CIE LAB 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^*_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	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	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	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	1.0 1.0 0.799	1.0 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

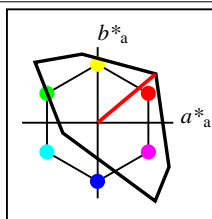
$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

TLS000					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	50.5	76.91	64.55	100.41	40
Y_M	92.66	-20.67	90.75	93.08	103
L_M	83.62	-82.73	79.9	115.02	136
C_M	86.88	-46.14	-13.53	48.1	196
V_M	30.39	76.06	-103.59	128.52	306
M_M	57.31	94.35	-58.39	110.96	328
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

$u^*_{rel} = 158$

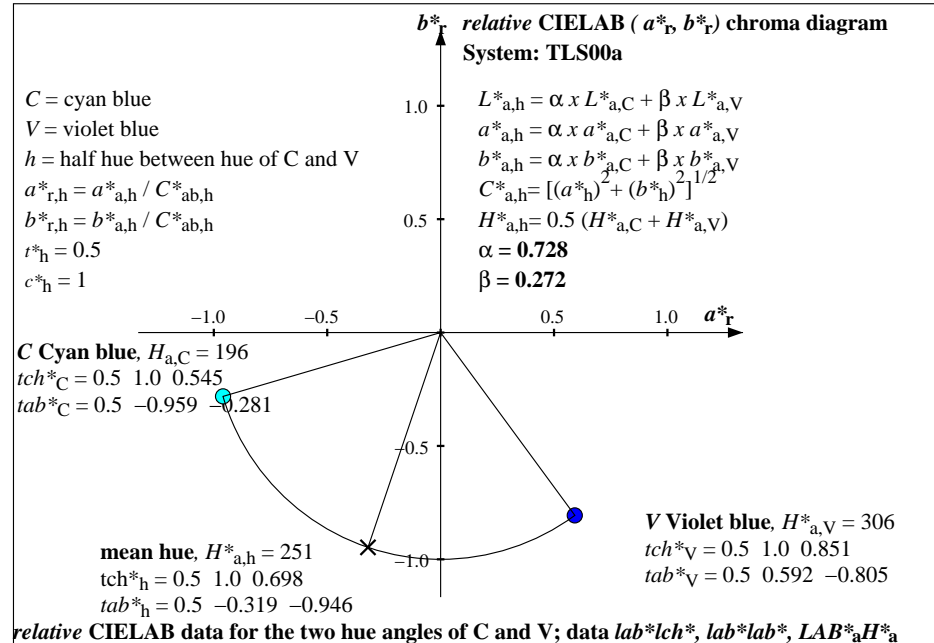
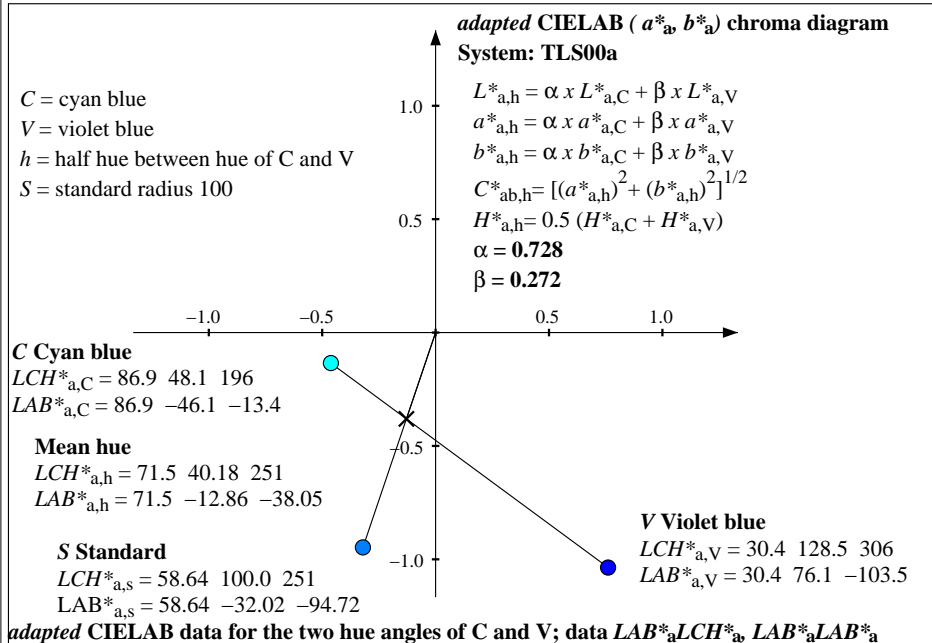
%Regularity

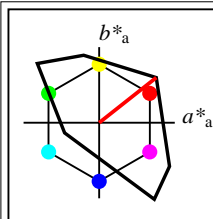
$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

TLS000a; adapted CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O_{Ma}	50.5	76.91	64.55	100.41	40
Y_{Ma}	92.66	-20.67	90.75	93.08	103
L_{Ma}	83.62	-82.73	79.9	115.02	136
C_{Ma}	86.88	-46.14	-13.53	48.1	196
V_{Ma}	30.39	76.06	-103.59	128.52	306
M_{Ma}	57.31	94.35	-58.39	110.96	328
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

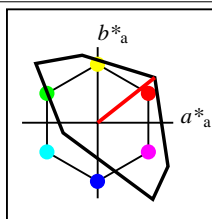
n	System	u^*	o^*_3	l^*_3	v^*_3	e^*	t^*	c^*	h^*	n^*	w^*	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	XYZ_{RGB}	RGB'_{sRGB}	$RGB'_{AdobeRGB}$
0	TLS00a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.01 0.0 0	0.0 0.0	0.0 0.0 0.0	0.328 0.322	0.0 0.0 0.0	0.0 0.0 0.0	0.006 0.006 0.006
1	TLS00a	b29r	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	83.62 115.02 136	-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	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
 $u^*_{rel} = 146$
%Regularity
 $g^*_{H,rel} = 21$
 $g^*_{C,rel} = 38$

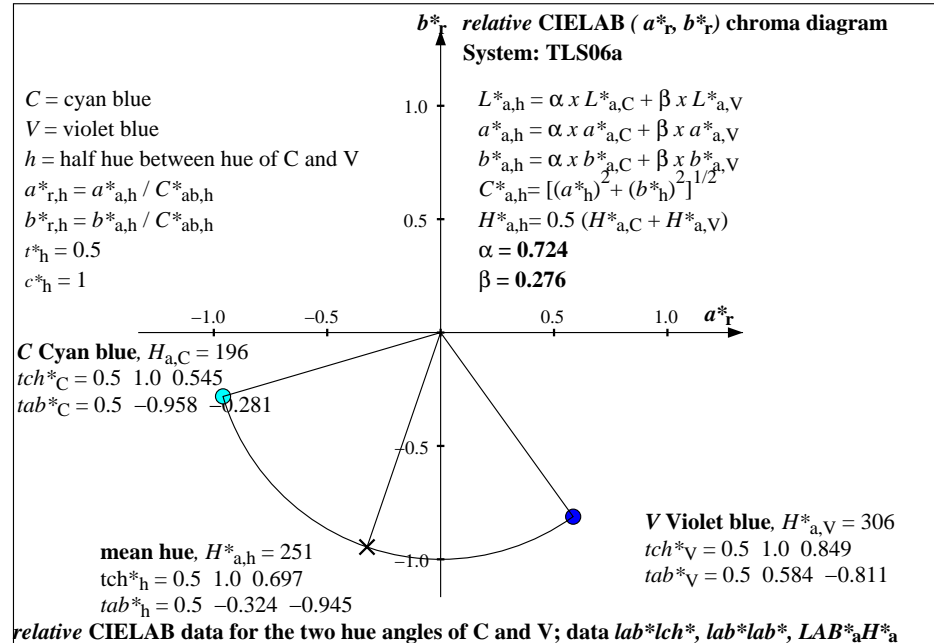
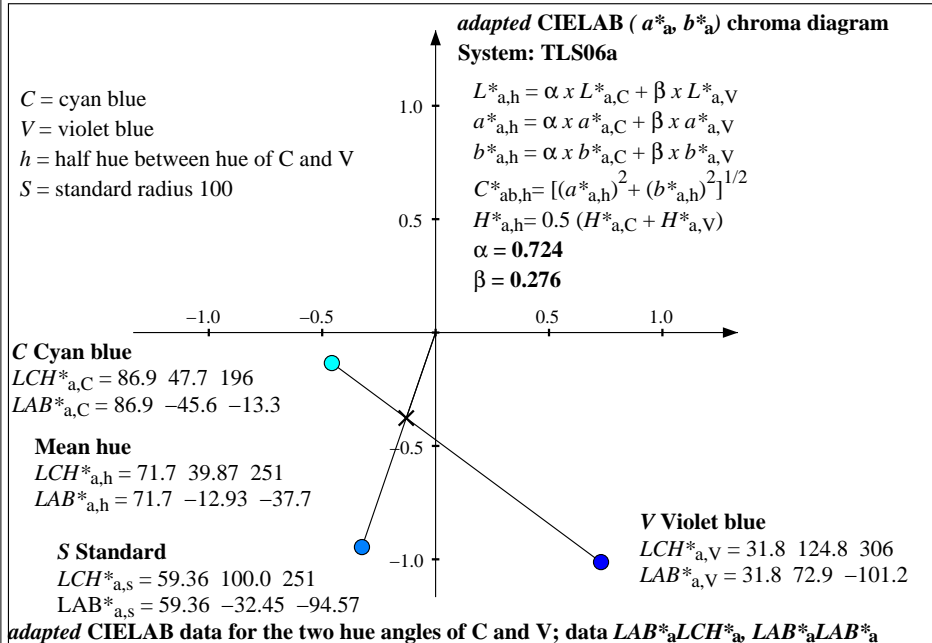
TLS06					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	51.08	75.54	59.69	96.28	38
Y_M	92.68	-20.5	89.24	91.57	103
L_M	83.72	-81.78	78.32	113.24	136
C_M	86.94	-45.71	-13.42	47.65	196
V_M	31.77	72.91	-101.29	124.81	306
M_M	57.74	93.06	-57.7	109.5	328
N_M	5.69	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	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

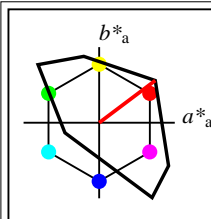


%Gamut
 $u^*_{rel} = 146$
%Regularity
 $g^*_{H,rel} = 21$
 $g^*_{C,rel} = 38$

TLS06a; adapted CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O_{Ma}	51.08	75.54	59.69	96.28	38
Y_{Ma}	92.68	-20.5	89.24	91.57	103
L_{Ma}	83.72	-81.78	78.32	113.24	136
C_{Ma}	86.94	-45.71	-13.42	47.65	196
V_{Ma}	31.77	72.91	-101.29	124.81	306
M_{Ma}	57.74	93.06	-57.7	109.5	328
N_{Ma}	5.69	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	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





%Gamut

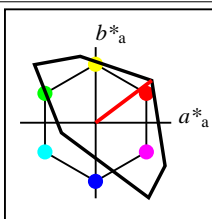
u*_{rel} = 134

%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

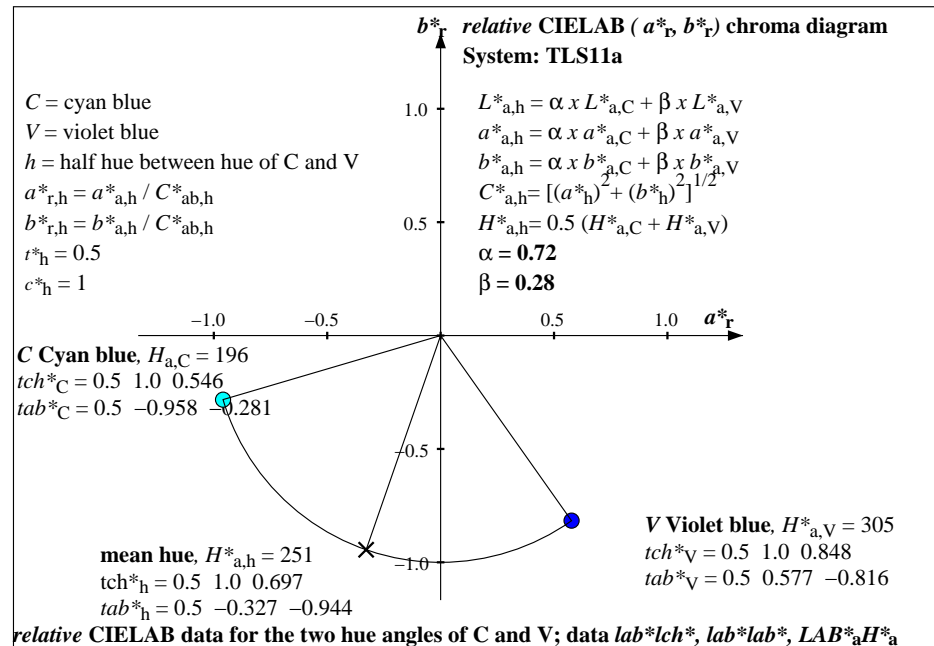
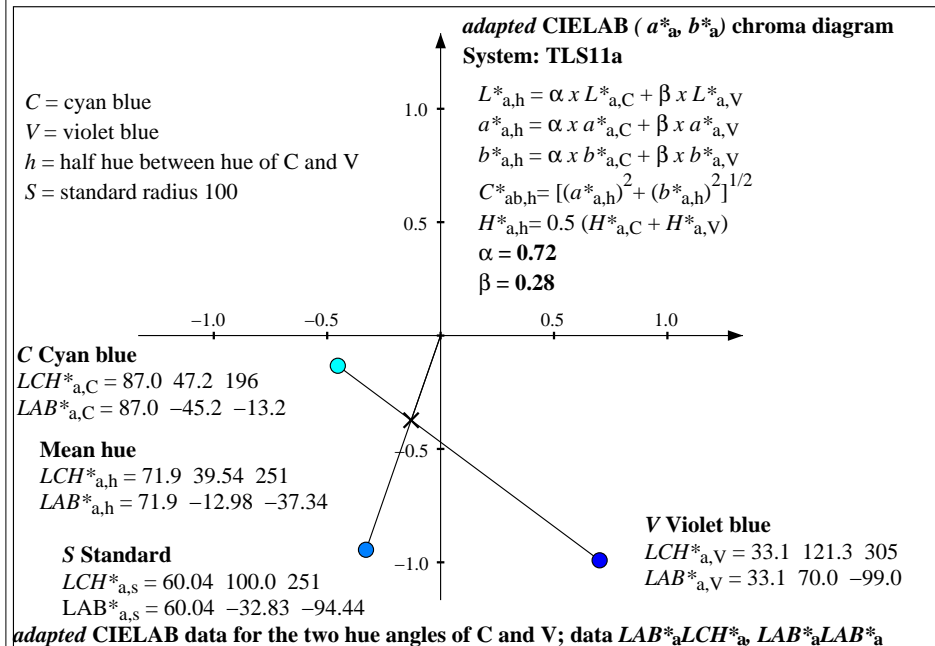
%Regularity

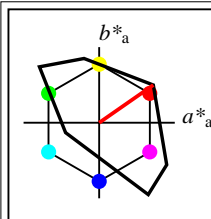
g*_{H,rel} = 21

g*_{C,rel} = 39

TLS11a; adapted CIELAB data	L*=L*a	a*	b*	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

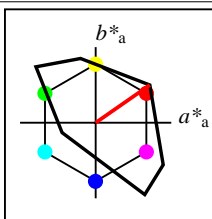
u*_{rel} = 118

%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

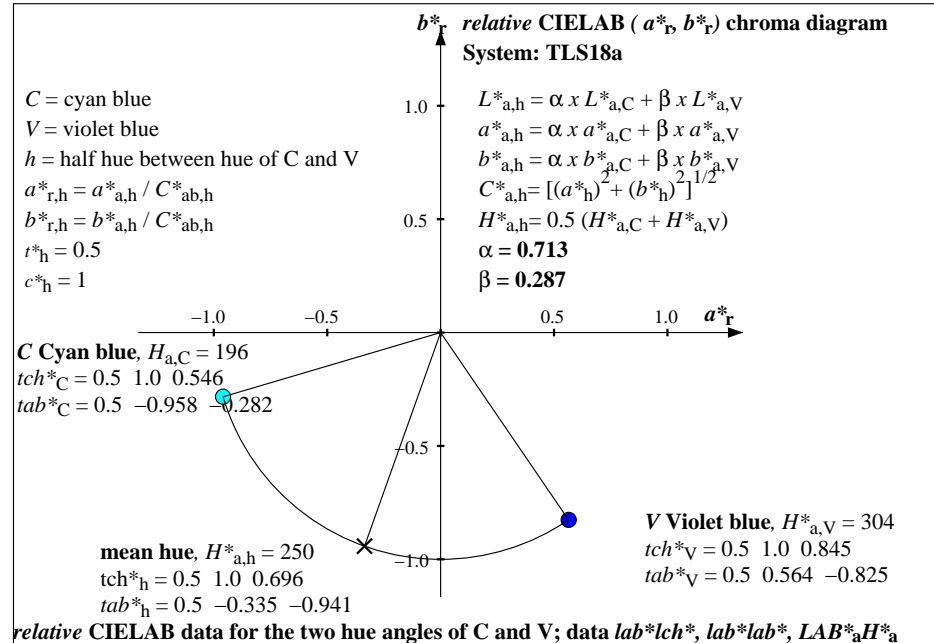
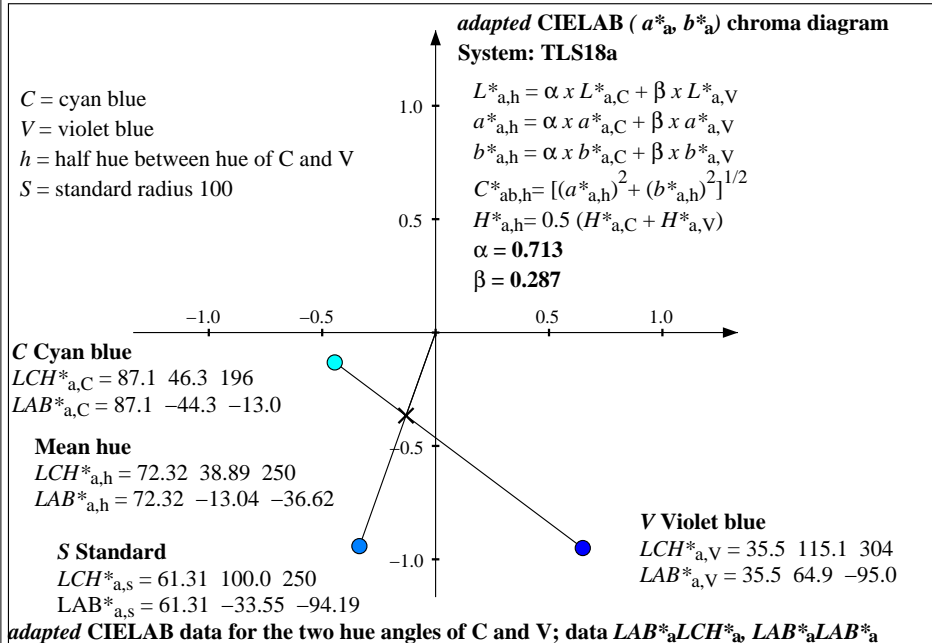
%Regularity

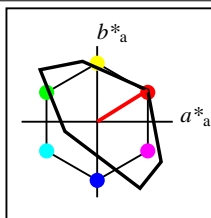
g*_{H,rel} = 22

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

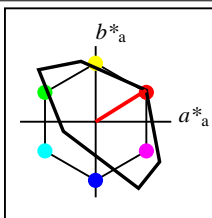
n	System	u*	o* ₃	l* ₃	v* ₃	e*	t*	c*	h*	n*	w*	LCH* _{a,CIE}	a*b* _{a,CIE}	XYZ* _{a,CIE}	xy* _{a,CIE}	XYZ* _{RGB}	RGB* _{sRGB}	RGB* _{AdobeRGB}
0	TLS18a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	18.01 0.0 0	0.0 0.0	2.4 2.52 2.74	0.313 0.329	0.027 0.028 0.031	0.184 0.184 0.184	0.198 0.198 0.198
1	TLS18a	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	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
 $u^*_{rel} = 98$
%Regularity
 $g^*_{H,rel} = 24$
 $g^*_{C,rel} = 43$

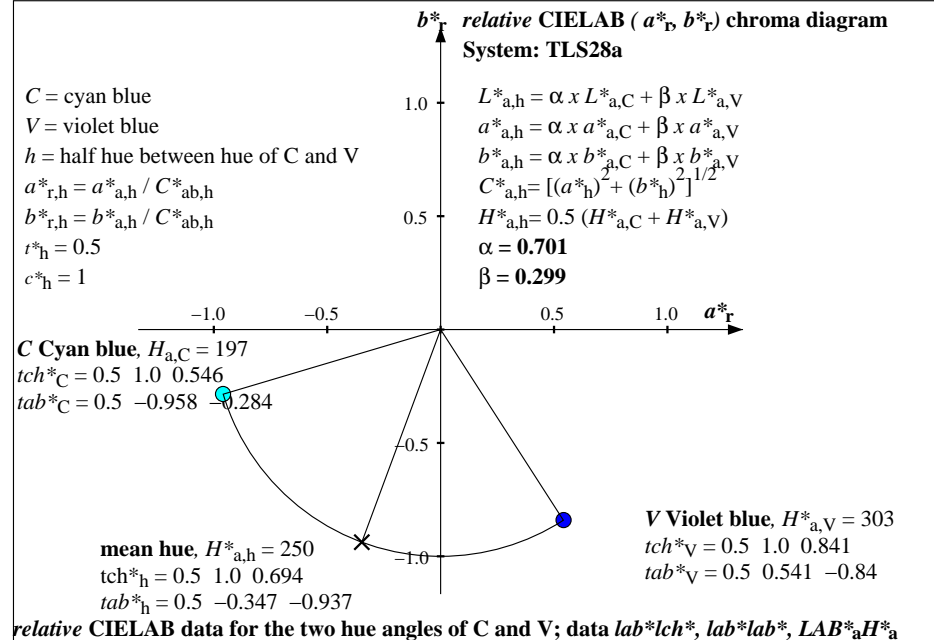
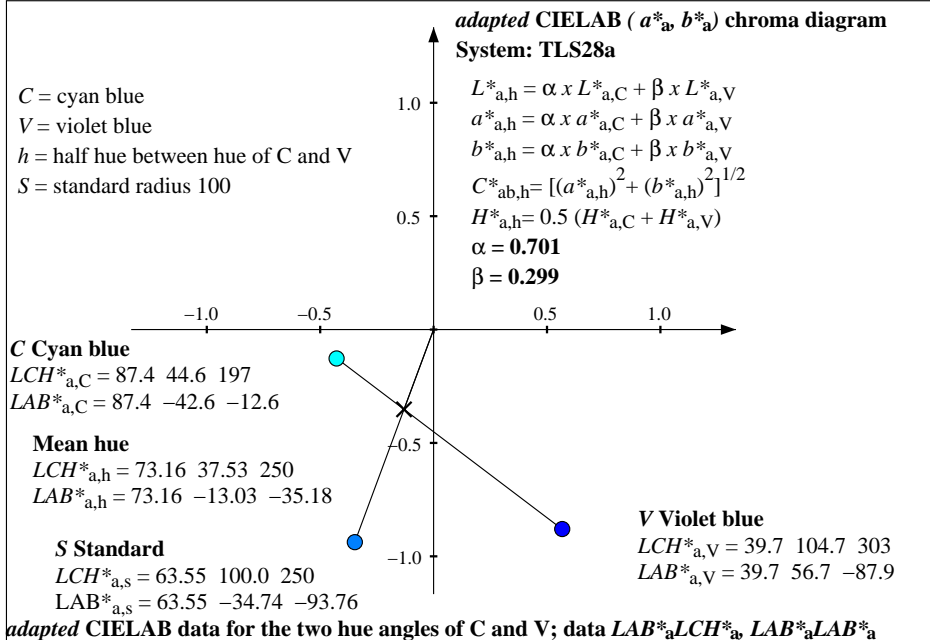
TLS28	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	54.88	66.84	41.69	78.78	32
Y_M	92.82	-19.38	79.81	82.13	104
L_M	84.37	-75.38	68.76	102.04	138
C_M	87.4	-42.71	-12.69	44.57	197
V_M	39.7	56.66	-88.01	104.68	303
M_M	60.64	84.61	-53.07	99.88	328
N_M	26.85	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

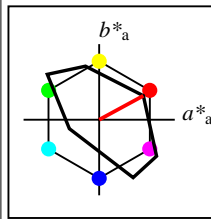


%Gamut
 $u^*_{rel} = 98$
%Regularity
 $g^*_{H,rel} = 24$
 $g^*_{C,rel} = 43$

TLS28a; adapted CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O_{Ma}	54.88	66.84	41.69	78.78	32
Y_{Ma}	92.82	-19.38	79.81	82.13	104
L_{Ma}	84.37	-75.38	68.76	102.04	138
C_{Ma}	87.4	-42.71	-12.69	44.57	197
V_{Ma}	39.7	56.66	-88.01	104.68	303
M_{Ma}	60.64	84.61	-53.07	99.88	328
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

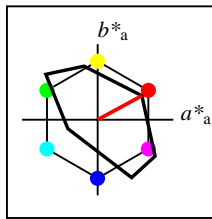
n	System	u^*	o^*_3	l^*_3	v^*_3	e^*	t^*	c^*	h^*	n^*	w^*	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ_{a,CIE}$	$xy_{a,CIE}$	XYZ_{RGB}	RGB'_{sRGB}	$RGB'_{AdobeRGB}$
0	TLS28a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	26.85 0.0 0	0.0 0.0	4.79 5.04 5.49	0.313 0.329	0.054 0.057 0.062	0.265 0.265 0.265	0.272 0.272 0.272
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	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
 $u^*_{rel} = 72$
%Regularity
 $g^*_{H,rel} = 26$
 $g^*_{C,rel} = 45$

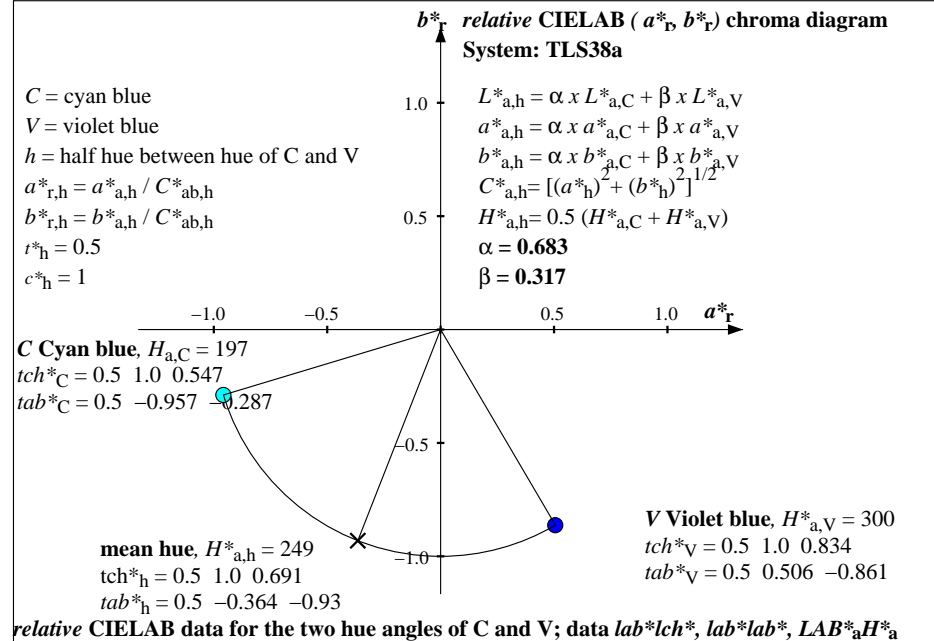
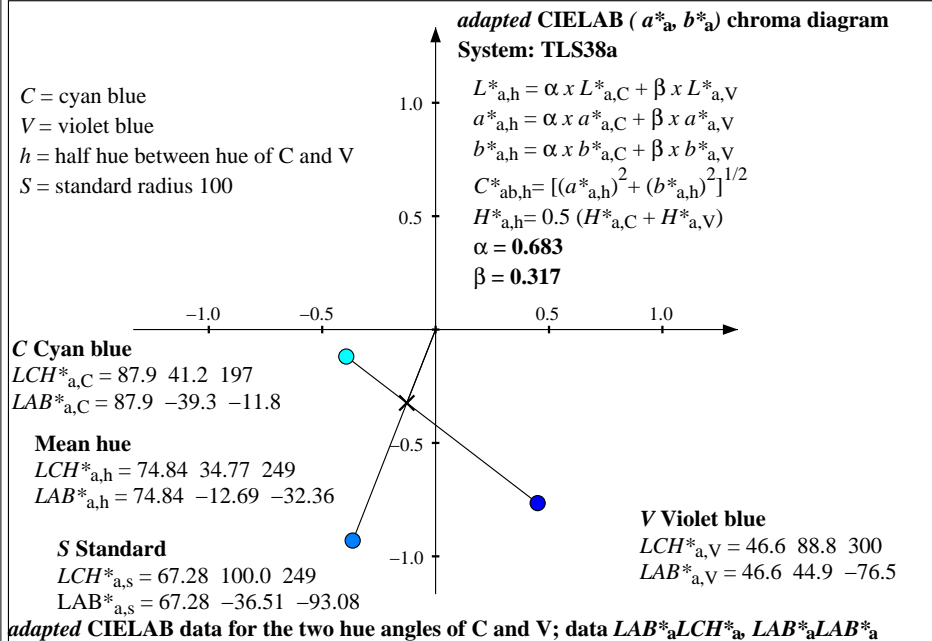
TLS38					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	58.77	58.45	31.73	66.51	28
Y_M	92.98	-18.1	70.81	73.09	104
L_M	85.11	-68.57	60.02	91.14	139
C_M	87.92	-39.41	-11.86	41.17	197
V_M	46.64	44.93	-76.55	88.77	300
M_M	63.71	75.92	-48.21	89.94	328
N_M	37.99	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

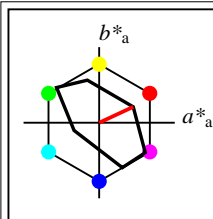


%Gamut
 $u^*_{rel} = 72$
%Regularity
 $g^*_{H,rel} = 26$
 $g^*_{C,rel} = 45$

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

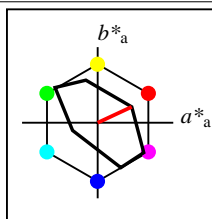
n	System	u^*	o^*_3	l^*_3	v^*_3	e^*	t^*	c^*	h^*	n^*	w^*	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	XYZ^*_{RGB}	RGB^*_{sRGB}	$RGB^*_{AdobeRGB}$
0	TLS38a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	37.99 0.0 0	0.0 0.0	9.58 10.08 10.98	0.313 0.329	0.108 0.114 0.124	0.372 0.372 0.372	0.372 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	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
 $u^*_{rel} = 43$
%Regularity
 $g^*_{H,rel} = 30$
 $g^*_{C,rel} = 48$

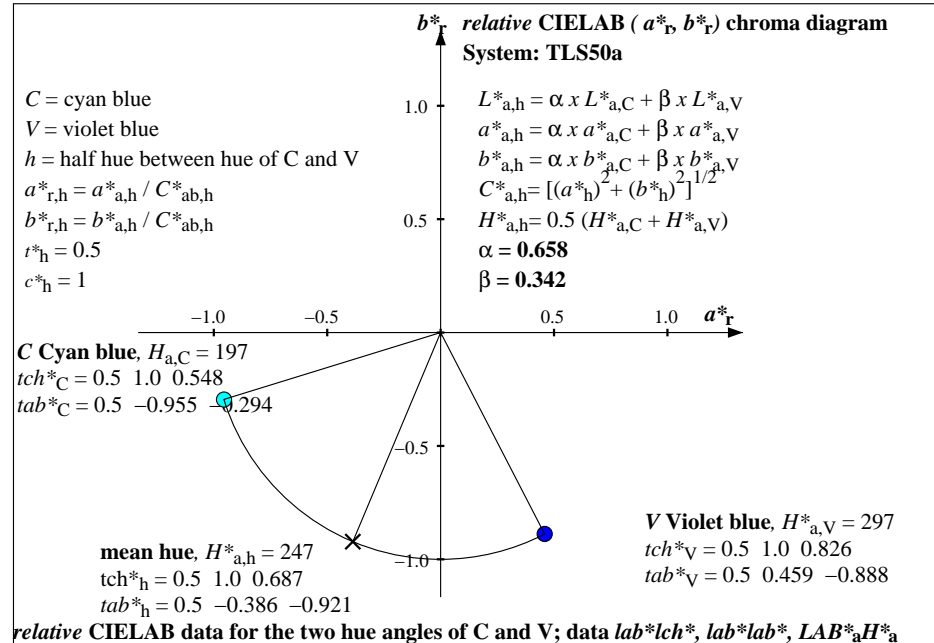
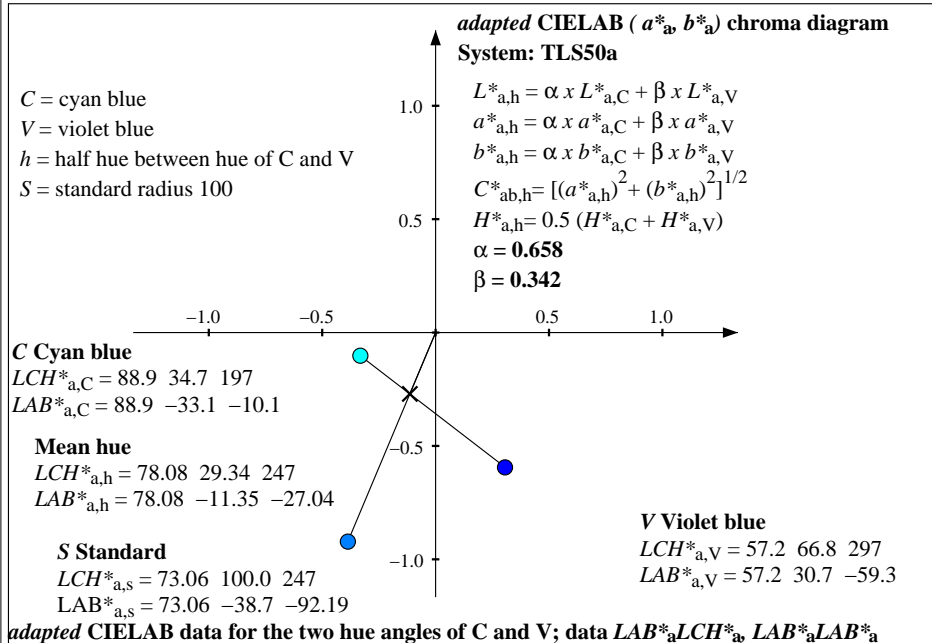
TLS50					
	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	65.53	45.06	20.98	49.7	25
Y_M	93.3	-15.6	56.27	58.4	106
L_M	86.55	-56.3	46.52	73.04	140
C_M	88.94	-33.18	-10.23	34.73	197
V_M	57.17	30.66	-59.39	66.85	297
M_M	69.22	60.95	-39.56	72.67	327
N_M	52.02	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	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

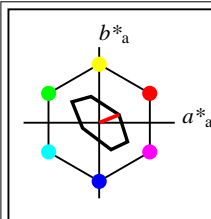


%Gamut
 $u^*_{rel} = 43$
%Regularity
 $g^*_{H,rel} = 30$
 $g^*_{C,rel} = 48$

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

$u^*_{rel} = 16$

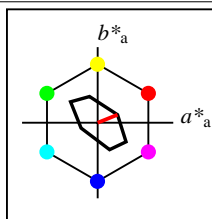
%Regularity

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

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

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

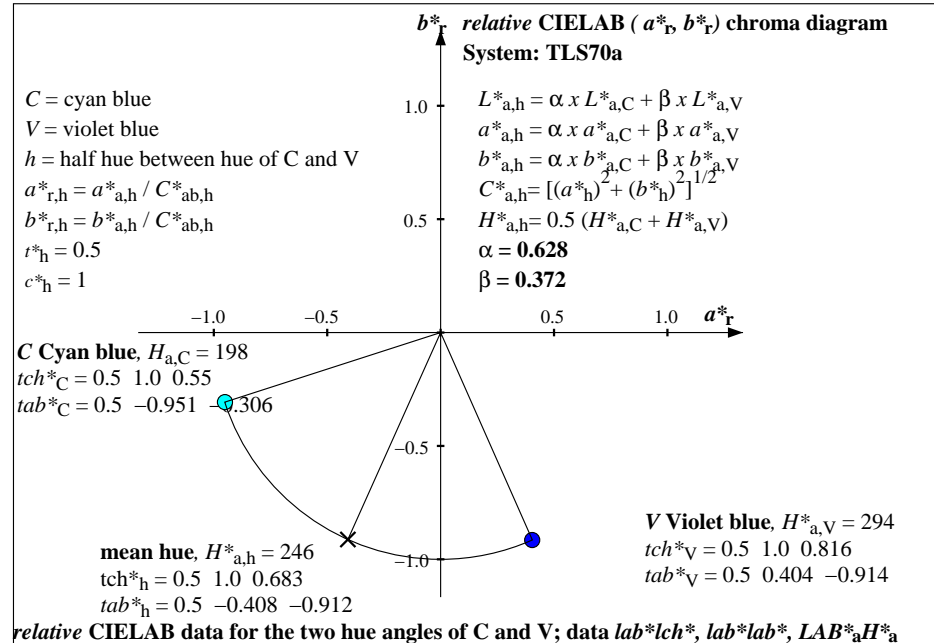
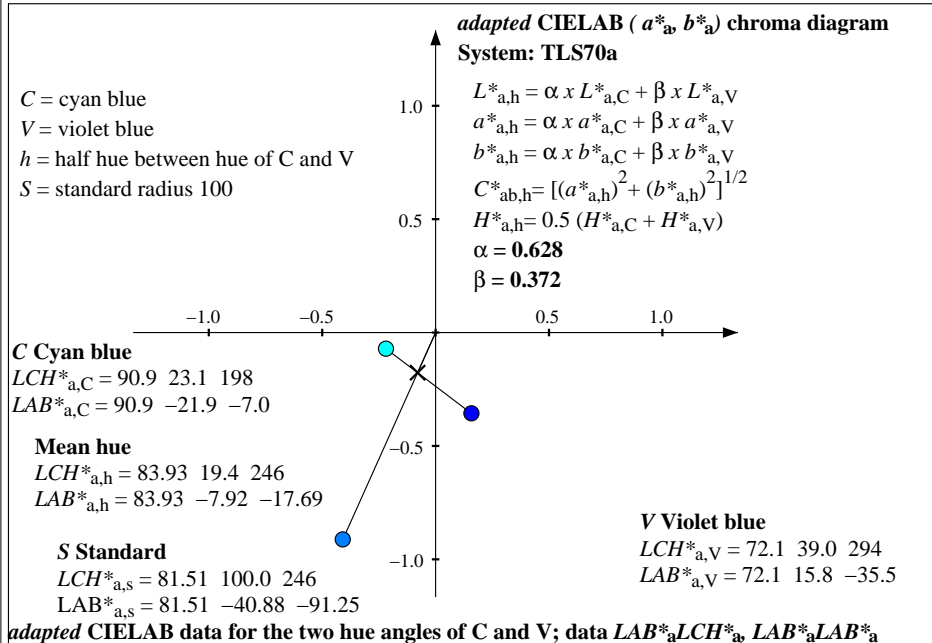
$g^*_{H,rel} = 34$

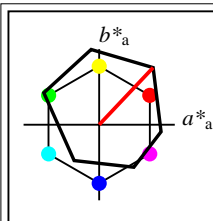
$g^*_{C,rel} = 51$

TLS70a; adapted CIE LAB 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

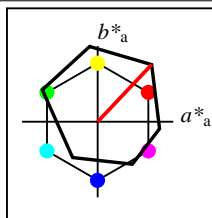
n	System	u^*	o^*_3	l^*_3	v^*_3	e^*	t^*	c^*	h^*	n^*	w^*	$LCH^*_{a,CIE}$	$a^*b^*_{a,CIE}$	$XYZ^*_{a,CIE}$	$xy^*_{a,CIE}$	XYZ^*_{RGB}	RGB^*_{sRGB}	$RGB^*_{AdobeRGB}$
0	TLS70a	r00j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	69.7 0.0 0	0.0 0.0	38.33 40.32 43.91	0.313 0.329	0.433 0.455 0.496	0.705 0.705 0.705	0.699 0.699 0.699
1	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 0.799	1.0 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
 $g^*_{H,rel} = 52$
 $g^*_{C,rel} = 56$

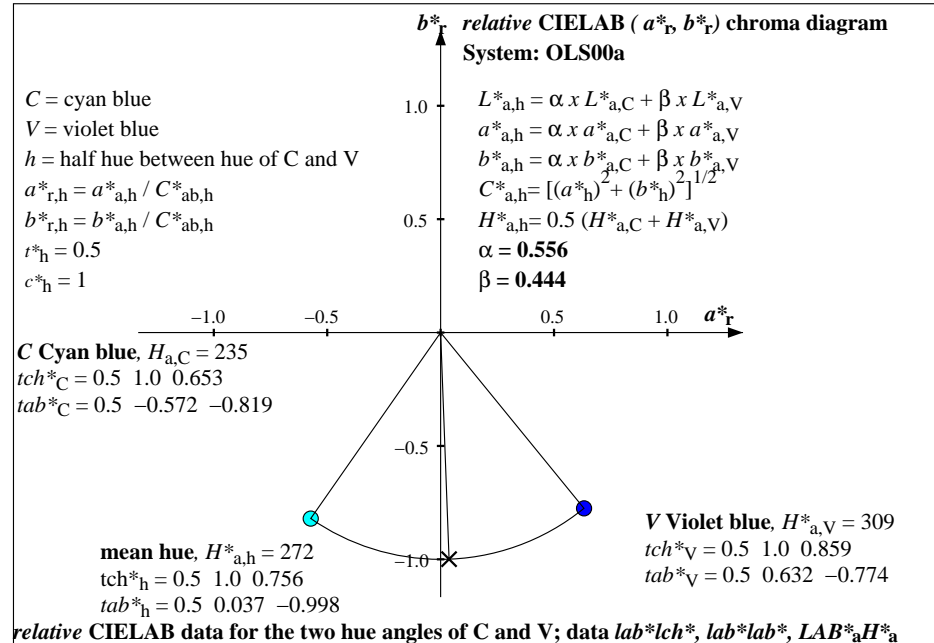
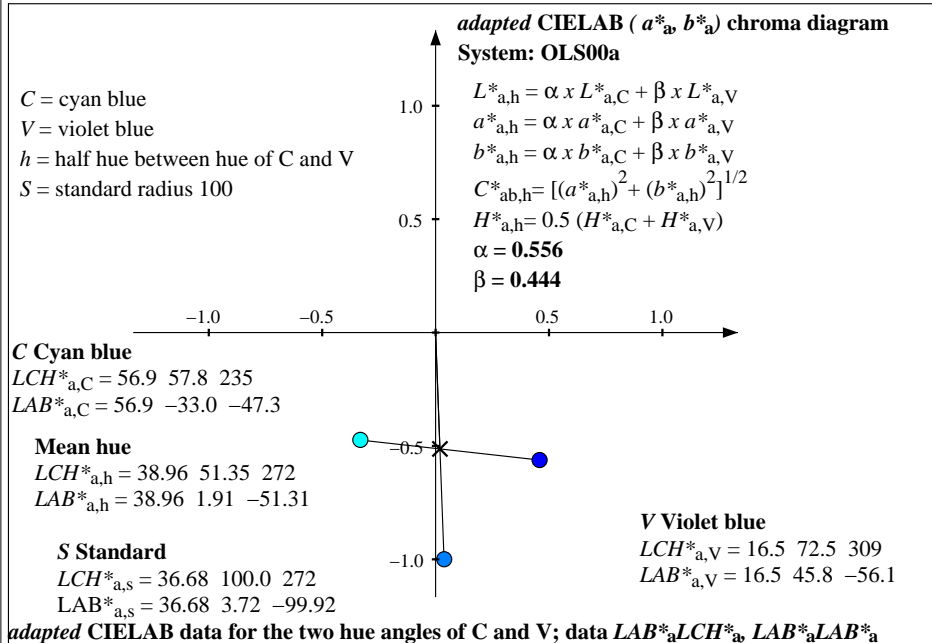
OLS00	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	45.14	71.37	75.54	103.92	47
Y_M	90.22	-10.59	99.51	100.07	96
L_M	48.45	-73.18	42.21	84.49	150
C_M	56.88	-33.1	-47.4	57.83	235
V_M	16.48	45.84	-56.21	72.54	309
M_M	45.36	81.85	-9.28	82.38	354
N_M	0.01	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	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

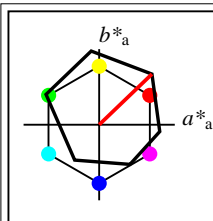


%Gamut
 $u^*_{rel} = 133$
%Regularity
 $g^*_{H,rel} = 52$
 $g^*_{C,rel} = 56$

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*_{rel} = 120

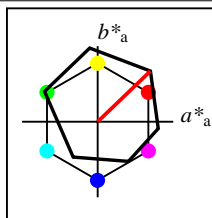
%Regularity

g*_{H,rel} = 54

g*_{C,rel} = 58

OLS06

	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O _M	45.87	69.79	66.99	96.74	44
Y _M	90.25	-10.5	97.42	97.99	96
L _M	49.08	-70.27	40.08	80.91	150
C _M	57.33	-32.37	-46.79	56.91	235
V _M	19.26	40.73	-52.46	66.42	308
M _M	46.07	80.12	-9.03	80.63	354
N _M	5.69	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} = 120

%Regularity

g*_{H,rel} = 54

g*_{C,rel} = 58

OLS06a; adapted CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O _{Ma}	45.87	69.79	66.99	96.74	44
Y _{Ma}	90.25	-10.5	97.42	97.99	96
L _{Ma}	49.08	-70.27	40.08	80.91	150
C _{Ma}	57.33	-32.37	-46.79	56.91	235
V _{Ma}	19.26	40.73	-52.46	66.42	308
M _{Ma}	46.07	80.12	-9.03	80.63	354
N _{Ma}	5.69	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	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

C = cyan blue
V = violet blue
h = half hue between hue of C and V
S = standard radius 100

$$\begin{aligned}L^*_{a,h} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,h} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,h} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,h} &= [(a^*_{a,h})^2 + (b^*_{a,h})^2]^{1/2} \\ H^*_{a,h} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.539 \\ \beta &= 0.461\end{aligned}$$

C Cyan blue
LCH*_{a,C} = 57.3 56.9 235
LAB*_{a,C} = 57.3 -32.3 -46.7

Mean hue
LCH*_{a,h} = 39.76 49.43 272
LAB*_{a,h} = 39.76 1.36 -49.41

S Standard
LCH*_{a,s} = 38.3 100.0 272
LAB*_{a,s} = 38.3 2.74 -99.95

V Violet blue
LCH*_{a,V} = 19.3 66.4 308
LAB*_{a,V} = 19.3 40.7 -52.4

adapted CIELAB data for the two hue angles of C and V; data LAB*_aLCH*_a LAB*_aLAB*_a

YE040-7, 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 YE04; Colorimetry for colours M of: OLS06
Device CIELAB data for C, V and mean hue h; page 18/24

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

C = cyan blue
V = violet blue
h = half hue between hue of C and V
 $a^*_{r,h} = a^*_{a,h} / C^*_{ab,h}$
 $b^*_{r,h} = b^*_{a,h} / C^*_{ab,h}$
 $r^*_{h} = 0.5$
 $c^*_{h} = 1$

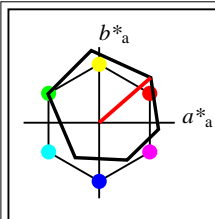
C Cyan blue, $H^*_{a,C} = 235$
tch*_C = 0.5 1.0 0.654
tab*_C = 0.5 -0.568 -0.821

mean hue, $H^*_{a,h} = 272$
tch*_h = 0.5 1.0 0.754
tab*_h = 0.5 0.027 -0.999

relative CIELAB data for the two hue angles of C and V; data lab*lch*, lab*lab*, LAB*_aH*_a

input: olv* setrgbcolor

output: no change compared to input



%Gamut

$u^*_{rel} = 108$

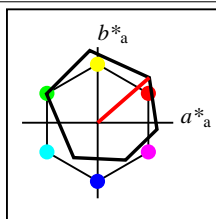
%Regularity

$g^*_{H,rel} = 55$

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

OLS11

	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	46.57	68.27	59.62	90.64	41
Y_M	90.29	-10.42	95.45	96.02	96
L_M	49.7	-67.59	38.19	77.64	151
C_M	57.76	-31.67	-46.18	56.01	236
V_M	21.67	36.81	-49.36	61.58	307
M_M	46.77	78.45	-8.79	78.94	354
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

$u^*_{rel} = 108$

%Regularity

$g^*_{H,rel} = 55$

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

OLS11a; adapted CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O_{Ma}	46.57	68.27	59.62	90.64	41
Y_{Ma}	90.29	-10.42	95.45	96.02	96
L_{Ma}	49.7	-67.59	38.19	77.64	151
C_{Ma}	57.76	-31.67	-46.18	56.01	236
V_{Ma}	21.67	36.81	-49.36	61.58	307
M_{Ma}	46.77	78.45	-8.79	78.94	354
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	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	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^*_a , b^*_a) chroma diagram
System: OLS11a

C = cyan blue

V = violet blue

h = half hue between hue of C and V

S = standard radius 100

$$\begin{aligned}L^*_{a,h} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,h} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,h} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,h} &= [(a^*_{a,h})^2 + (b^*_{a,h})^2]^{1/2} \\ H^*_{a,h} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.524 \\ \beta &= 0.476\end{aligned}$$

C Cyan blue

$LCH^*_{a,C} = 57.8 \ 56.0 \ 236$

$LAB^*_{a,C} = 57.8 \ -31.6 \ -46.1$

Mean hue

$LCH^*_{a,h} = 40.57 \ 47.71 \ 271$

$LAB^*_{a,h} = 40.57 \ 0.94 \ -47.69$

S Standard

$LCH^*_{a,s} = 39.72 \ 100.0 \ 271$

$LAB^*_{a,s} = 39.72 \ 1.97 \ -99.97$

V Violet blue

$LCH^*_{a,V} = 21.7 \ 61.6 \ 307$

$LAB^*_{a,V} = 21.7 \ 36.8 \ -49.3$

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

YE040-7, 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 YE04; Colorimetry for colours M of: OLS11

Device CIELAB data for C, V and mean hue h; page 19/24

relative CIELAB (a^*_r , b^*_r) chroma diagram
System: OLS11a

C = cyan blue

V = violet blue

h = half hue between hue of C and V

$a^*_{r,h} = a^*_{a,h} / C^*_{ab,h}$

$b^*_{r,h} = b^*_{a,h} / C^*_{ab,h}$

$r^*_h = 0.5$

$c^*_h = 1$

$$\begin{aligned}L^*_{a,h} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,h} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,h} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,h} &= [(a^*_{a,h})^2 + (b^*_{a,h})^2]^{1/2} \\ H^*_{a,h} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.524 \\ \beta &= 0.476\end{aligned}$$

C Cyan blue, $H^*_{a,C} = 236$

$tch^*_C = 0.5 \ 1.0 \ 0.654$

$tab^*_C = 0.5 \ -0.565 \ -0.824$

mean hue, $H^*_{a,h} = 271$

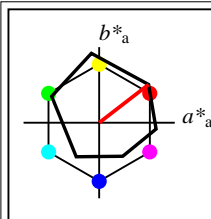
$tch^*_h = 0.5 \ 1.0 \ 0.753$

$tab^*_h = 0.5 \ 0.02 \ -0.999$

relative CIELAB data for the two hue angles of C and V; data $lab^*_lch^* lab^*_lab^* LAB^*_a H^*_a$

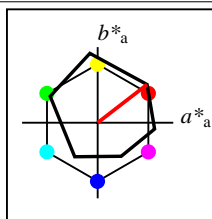
input: $olv^* setrgbcolor$

output: no change compared to input



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

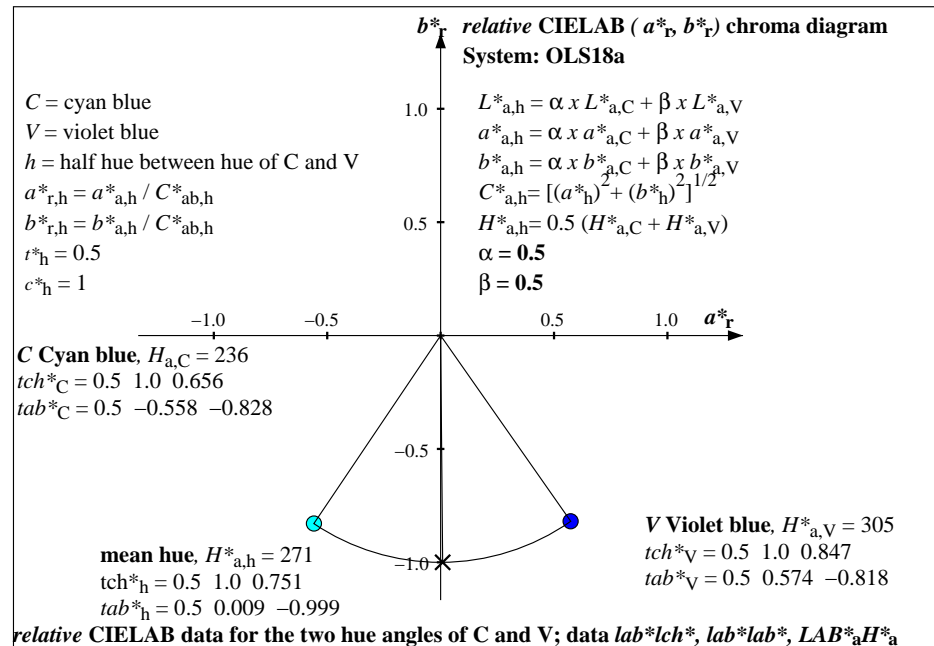
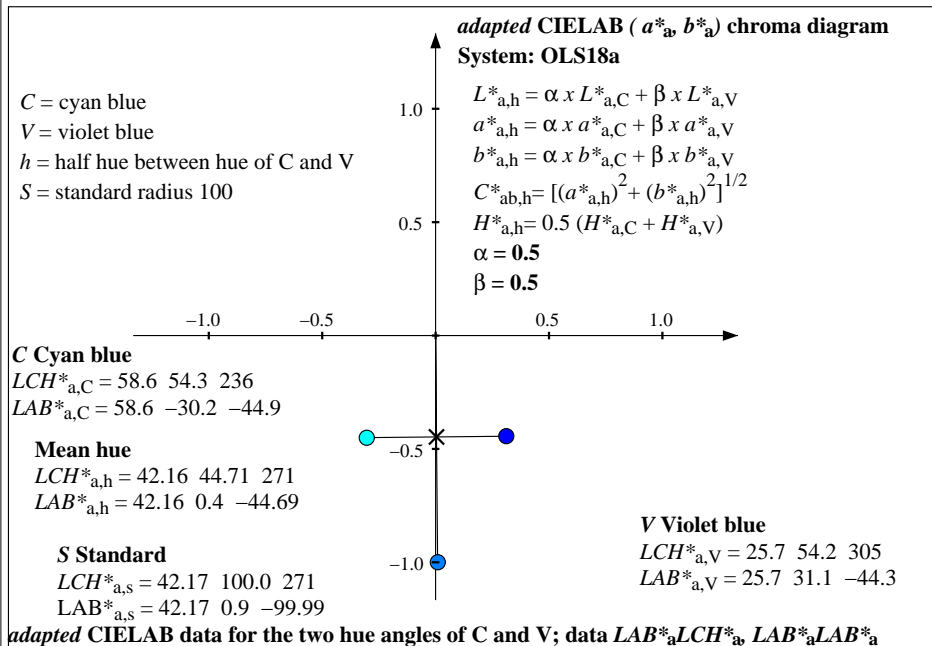
OLS18	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	47.94	65.39	50.52	82.63	38
Y_M	90.37	-10.25	91.75	92.32	96
L_M	50.9	-62.82	34.96	71.9	151
C_M	58.62	-30.33	-45.0	54.28	236
V_M	25.72	31.1	-44.39	54.21	305
M_M	48.13	75.28	-8.35	75.74	354
N_M	18.01	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	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

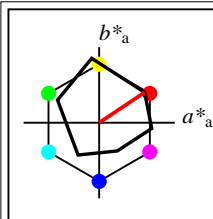


%Gamut
 $u^*_{rel} = 93$
%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

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 0.895	
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 0.15	
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 0.527	
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 0.195	
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 1.0	





%Gamut

u*_{rel} = 74

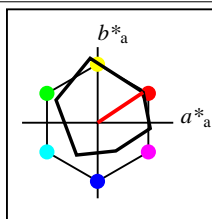
%Regularity

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

adapted CIELAB (a*, b*) chroma diagram
System: OLS28a

C = cyan blue
V = violet blue
h = half hue between hue of C and V
S = standard radius 100

$$\begin{aligned}L^*_{a,h} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,h} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,h} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,h} &= [(a^*_{a,h})^2 + (b^*_{a,h})^2]^{1/2} \\ H^*_{a,h} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.465 \\ \beta &= 0.535\end{aligned}$$

C Cyan blue
LCH*_{a,C} = 60.3 51.1 237
LAB*_{a,C} = 60.3 -27.8 -42.7

Mean hue
LCH*_{a,h} = 45.18 39.85 270
LAB*_{a,h} = 45.18 -0.12 -39.84

S Standard
LCH*_{a,s} = 46.17 100.0 270
LAB*_{a,s} = 46.17 -0.32 -99.99

V Violet blue
LCH*_{a,V} = 32.1 44.4 303
LAB*_{a,V} = 32.1 24.0 -37.2

adapted CIELAB data for the two hue angles of C and V; data LAB*_aLCH*_a LAB*_aLAB*_a

YE040-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: OLS28, page 21/24

BAM-test chart YE04; Colorimetry for colours M of: OLS28
Device CIELAB data for C, V and mean hue h; page 21/24

relative CIELAB (a*, b*) chroma diagram
System: OLS28a

C = cyan blue
V = violet blue
h = half hue between hue of C and V
 $a^*_{r,h} = a^*_{a,h} / C^*_{ab,h}$
 $b^*_{r,h} = b^*_{a,h} / C^*_{ab,h}$
 $r^*_{h} = 0.5$
 $c^*_{h} = 1$

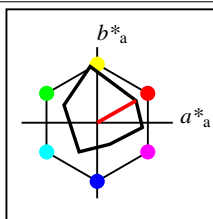
C Cyan blue, $H^*_{a,C} = 237$
 $tch^*_{C} = 0.5$ 1.0 0.658
 $tab^*_{C} = 0.5$ -0.546 -0.836

mean hue, $H^*_{a,h} = 270$
 $tch^*_{h} = 0.5$ 1.0 0.749
 $tab^*_{h} = 0.5$ -0.002 -0.999

relative CIELAB data for the two hue angles of C and V; data lab*lch*, lab*lab*, LAB*_aH*_a

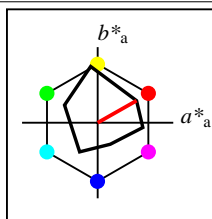
input: olv* setrgbcolor

output: no change compared to input



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

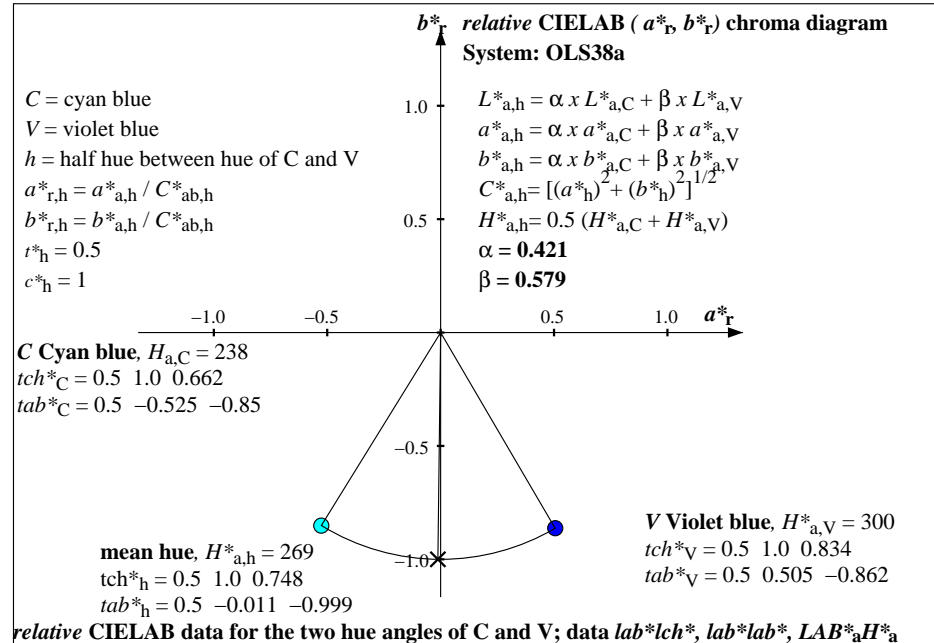
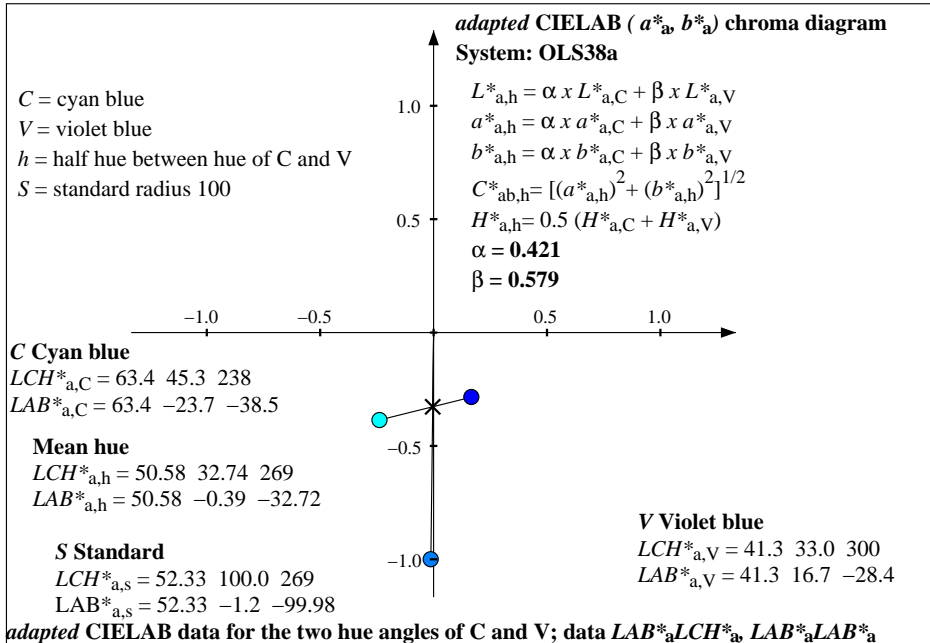
OLS38	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	55.13	51.42	29.16	59.11	30
Y_M	90.83	-9.24	74.37	74.94	97
L_M	57.35	-43.83	23.35	49.67	152
C_M	63.39	-23.82	-38.55	45.33	238
V_M	41.26	16.67	-28.48	33.01	300
M_M	55.27	59.74	-6.31	60.07	354
N_M	37.99	0.0	0.0	0.0	0
W_M	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	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

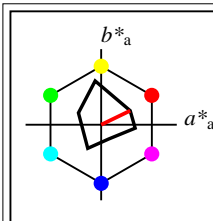


%Gamut
 $u^*_{rel} = 51$
%Regularity
 $g^*_{H,rel} = 62$
 $g^*_{C,rel} = 44$

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	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

$u^*_{rel} = 29$

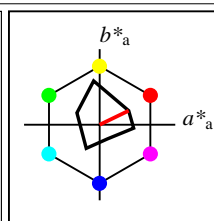
%Regularity

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 37$

OLS50

	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	62.9	38.38	18.55	42.63	26
Y_M	91.44	-7.94	57.91	58.45	98
L_M	64.49	-30.05	15.67	33.9	152
C_M	68.98	-17.73	-31.23	35.93	240
V_M	53.87	10.09	-18.83	21.37	298
M_M	63.0	44.96	-4.55	45.19	354
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

$u^*_{rel} = 29$

%Regularity

$g^*_{H,rel} = 62$

$g^*_{C,rel} = 37$

OLS50a; adapted CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O_{Ma}	62.9	38.38	18.55	42.63	26
Y_{Ma}	91.44	-7.94	57.91	58.45	98
L_{Ma}	64.49	-30.05	15.67	33.9	152
C_{Ma}	68.98	-17.73	-31.23	35.93	240
V_{Ma}	53.87	10.09	-18.83	21.37	298
M_{Ma}	63.0	44.96	-4.55	45.19	354
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	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	0.528 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

adapted CIELAB (a^*_a , b^*_a) chroma diagram
System: OLS50a

C = cyan blue
V = violet blue
h = half hue between hue of C and V
S = standard radius 100

$$\begin{aligned}L^*_{a,h} &= \alpha x L^*_{a,C} + \beta x L^*_{a,V} \\ a^*_{a,h} &= \alpha x a^*_{a,C} + \beta x a^*_{a,V} \\ b^*_{a,h} &= \alpha x b^*_{a,C} + \beta x b^*_{a,V} \\ C^*_{ab,h} &= [(a^*_{a,h})^2 + (b^*_{a,h})^2]^{1/2} \\ H^*_{a,h} &= 0.5 (H^*_{a,C} + H^*_{a,V}) \\ \alpha &= 0.373 \\ \beta &= 0.627\end{aligned}$$

C Cyan blue
 $LCH^*_{a,C} = 69.0 \ 35.9 \ 240$
 $LAB^*_{a,C} = 69.0 \ -17.6 \ -31.1$

Mean hue
 $LCH^*_{a,h} = 59.51 \ 23.47 \ 269$
 $LAB^*_{a,h} = 59.51 \ -0.28 \ -23.46$

S Standard
 $LCH^*_{a,s} = 61.43 \ 100.0 \ 269$
 $LAB^*_{a,s} = 61.43 \ -1.23 \ -99.98$

V Violet blue
 $LCH^*_{a,V} = 53.9 \ 21.4 \ 298$
 $LAB^*_{a,V} = 53.9 \ 10.1 \ -18.7$

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

YE040-7, Colour Management Workflow: Device Colour Data of 8 basic colours and mixture of hues C and M in CIELAB for system: OLS50, page 23/24

BAM-test chart YE04; Colorimetry for colours M of: OLS50
Device CIELAB data for C, V and mean hue h; page 23/24

relative CIELAB (a^*_r , b^*_r) chroma diagram
System: OLS50a

C = cyan blue
V = violet blue
h = half hue between hue of C and V
 $a^*_{r,h} = a^*_{a,h} / C^*_{ab,h}$
 $b^*_{r,h} = b^*_{a,h} / C^*_{ab,h}$
 $r^*_h = 0.5$
 $c^*_h = 1$

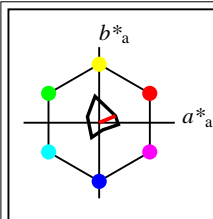
C Cyan blue, $H^*_{a,C} = 240$
 $tch^*_C = 0.5 \ 1.0 \ 0.668$
 $tab^*_C = 0.5 \ -0.493 \ -0.869$

mean hue, $H^*_{a,h} = 269$
 $tch^*_h = 0.5 \ 1.0 \ 0.748$
 $tab^*_h = 0.5 \ -0.011 \ -0.999$

relative CIELAB data for the two hue angles of C and V; data $lab^*_lch^*$, $lab^*_lab^*$, $LAB^*_a H^*_a$

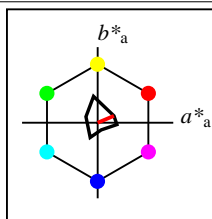
input: $olv^* setrgbcolor$

output: no change compared to input



%Gamut
 $u^*_{rel} = 10$
%Regularity
 $g^*_{H,rel} = 59$
 $g^*_{C,rel} = 30$

OLS70	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h_{ab}
O_M	75.01	21.53	9.07	23.36	23
Y_M	92.64	-5.44	34.85	35.27	99
L_M	75.86	-15.49	7.96	17.42	153
C_M	78.37	-9.89	-19.5	21.88	243
V_M	70.54	4.74	-9.46	10.59	297
M_M	75.07	25.47	-2.45	25.59	354
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
 $u^*_{rel} = 10$
%Regularity
 $g^*_{H,rel} = 59$
 $g^*_{C,rel} = 30$

OLS70a; adapted CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$
O_{Ma}	75.01	21.53	9.07	23.36	23
Y_{Ma}	92.64	-5.44	34.85	35.27	99
L_{Ma}	75.86	-15.49	7.96	17.42	153
C_{Ma}	78.37	-9.89	-19.5	21.88	243
V_{Ma}	70.54	4.74	-9.46	10.59	297
M_{Ma}	75.07	25.47	-2.45	25.59	354
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^*_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	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	0.807 0.712 0.708	0.802 0.71 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	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

