Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (TLS00) and output ***olv*3m*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		->TLS00			->TLS00			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*olv*30*			*n*, c*, H*si0*			*olv*31*			*olv*32*			*olv*33*			*olv*34*		
01	*N*	0.0	0.0	0.0	1.0	0.0	−	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	0.01	0.0	0.5	0.0	0.0	0.5	0.3	0.0	0.5	0.3	0.0	0.5
03	*V*	0.0	0.0	1.0	0.0	1.0	270	0.02	0.0	1.0	0.0	0.0	1.0	0.6	0.0	1.0	0.6	0.0	1.0
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	0.14	0.5	0.0	0.0	0.5	0.0	0.19	0.5	0.0	0.12	0.5	0.0
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	0.0	0.5	0.26	0.0	0.5	0.5	0.0	0.5	0.31	0.0	0.5	0.38
06	−	0.0	0.5	1.0	0.0	1.0	240	0.0	0.78	1.0	0.0	0.5	1.0	0.0	0.38	1.0	0.0	0.32	1.0
07	*L*	0.0	1.0	0.0	0.0	1.0	150	0.27	1.0	0.0	0.0	1.0	0.0	0.38	1.0	0.0	0.23	1.0	0.0
08	−	0.0	1.0	0.5	0.0	1.0	180	0.0	1.0	0.18	0.0	1.0	0.5	0.0	1.0	0.07	0.0	1.0	0.27
09	*C*	0.0	1.0	1.0	0.0	1.0	210	0.0	1.0	0.53	0.0	1.0	0.99	0.0	1.0	0.62	0.0	1.0	0.77
10	*On*	0.5	0.0	0.0	0.5	0.5	30	0.5	0.02	0.0	0.5	0.0	0.0	0.5	0.11	0.0	0.5	0.08	0.0
11	*Mn*	0.5	0.0	0.5	0.5	0.5	329	0.24	0.0	0.5	0.49	0.0	0.5	0.49	0.0	0.5	0.48	0.0	0.5
12	−	0.5	0.0	1.0	0.0	1.0	299	0.25	0.0	1.0	0.49	0.0	1.0	0.8	0.0	1.0	0.78	0.0	1.0
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	0.44	0.5	0.0	0.5	0.5	0.0	0.42	0.5	0.0	0.39	0.5	0.0
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	0.51	0.5	1.0	0.5	0.5	1.0	0.8	0.5	1.0	0.8	0.5	1.0
16	−	0.5	1.0	0.0	0.0	1.0	119	0.59	1.0	0.0	0.51	1.0	0.0	0.62	1.0	0.0	0.52	1.0	0.0
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	0.64	1.0	0.5	0.5	1.0	0.5	0.69	1.0	0.5	0.62	1.0	0.5
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	0.5	1.0	0.76	0.5	1.0	1.0	0.5	1.0	0.81	0.5	1.0	0.88
19	*O*	1.0	0.0	0.0	0.0	1.0	30	1.0	0.04	0.0	1.0	0.0	0.0	1.0	0.22	0.0	1.0	0.17	0.0
20	−	1.0	0.0	0.5	0.0	1.0	0	1.0	0.0	0.77	1.0	0.0	0.5	1.0	0.0	0.38	1.0	0.0	0.43
21	*M*	1.0	0.0	1.0	0.0	1.0	329	0.47	0.0	1.0	0.99	0.0	1.0	0.99	0.0	1.0	0.97	0.0	1.0
22	−	1.0	0.5	0.0	0.0	1.0	60	1.0	0.57	0.0	1.0	0.49	0.0	1.0	0.68	0.0	1.0	0.68	0.0
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	1.0	0.52	0.5	1.0	0.5	0.5	1.0	0.61	0.5	1.0	0.58	0.5
24	*Mw*	1.0	0.5	1.0	0.0	0.5	329	0.74	0.5	1.0	0.99	0.5	1.0	0.99	0.5	1.0	0.98	0.5	1.0
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	0.88	1.0	0.0	1.0	1.0	0.0	0.85	1.0	0.0	0.78	1.0	0.0
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	0.94	1.0	0.5	1.0	1.0	0.5	0.92	1.0	0.5	0.89	1.0	0.5
27	*W*	1.0	1.0	1.0	0.0	0.0	−	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

$a^*_{r0} = o^*_{30}\ cos(30) + l^*_{30}\ cos(150)$ $\quad H^*_{s0} = atan\ (\ b^*_{r0} / a^*_{r0}\ )$

$b^*_{r0} = o^*_{30}\ sin(30) + l^*_{30}\ sin(150) - v^*_{30}\ sin(270)$ $\quad H^*_{si0} = round\ (\ H^*_{s0}\ )$

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (SRS18) and output ***olv*3m*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		->SRS18			->SRS18			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*olv*30*			*n*, c*, H*si0*			*olv*31*			*olv*32*			*olv*33*			*olv*34*		
01	*N*	0.0	0.0	0.0	1.0	0.0	−	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	0.0	0.25	0.5	0.0	0.17	0.5	0.0	0.02	0.5	0.0	0.0	0.5
03	*V*	0.0	0.0	1.0	0.0	1.0	270	0.0	0.51	1.0	0.0	0.33	1.0	0.0	0.03	1.0	0.0	0.0	1.0
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	0.01	0.5	0.0	0.0	0.5	0.12	0.09	0.5	0.0	0.0	0.5	0.0
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	0.0	0.5	0.35	0.0	0.44	0.5	0.0	0.5	0.44	0.0	0.5	0.5
06	−	0.0	0.5	1.0	0.0	1.0	240	0.0	0.94	1.0	0.0	0.6	1.0	0.0	0.58	1.0	0.0	0.5	1.0
07	*L*	0.0	1.0	0.0	0.0	1.0	150	0.02	1.0	0.0	0.0	1.0	0.23	0.17	1.0	0.0	0.0	1.0	0.0
08	−	0.0	1.0	0.5	0.0	1.0	180	0.0	1.0	0.34	0.0	1.0	0.73	0.0	1.0	0.32	0.0	1.0	0.5
09	*C*	0.0	1.0	1.0	0.0	1.0	210	0.0	1.0	0.69	0.0	0.88	1.0	0.0	1.0	0.87	0.0	1.0	1.0
10	*On*	0.5	0.0	0.0	0.5	0.5	30	0.5	0.0	0.09	0.5	0.0	0.07	0.5	0.03	0.0	0.5	0.0	0.0
11	*Mn*	0.5	0.0	0.5	0.5	0.5	330	0.26	0.0	0.5	0.5	0.0	0.49	0.5	0.0	0.49	0.5	0.0	0.5
12	−	0.5	0.0	1.0	0.0	1.0	300	0.0	0.07	1.0	0.0	0.06	1.0	0.5	0.0	1.0	0.5	0.0	1.0
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	0.5	0.45	0.0	0.5	0.4	0.0	0.5	0.48	0.0	0.5	0.5	0.0
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	0.5	0.75	1.0	0.5	0.67	1.0	0.5	0.52	1.0	0.5	0.5	1.0
16	−	0.5	1.0	0.0	0.0	1.0	120	0.57	1.0	0.0	0.48	1.0	0.0	0.6	1.0	0.0	0.5	1.0	0.0
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	0.51	1.0	0.5	0.5	1.0	0.62	0.59	1.0	0.5	0.5	1.0	0.5
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	0.5	1.0	0.85	0.5	0.94	1.0	0.5	1.0	0.94	0.5	1.0	1.0
19	*O*	1.0	0.0	0.0	0.0	1.0	30	1.0	0.0	0.17	1.0	0.0	0.14	1.0	0.07	0.0	1.0	0.0	0.0
20	−	1.0	0.0	0.5	0.0	1.0	0	1.0	0.0	0.86	1.0	0.0	0.56	1.0	0.0	0.45	1.0	0.0	0.5
21	*M*	1.0	0.0	1.0	0.0	1.0	330	0.51	0.0	1.0	1.0	0.0	0.98	1.0	0.0	0.98	1.0	0.0	1.0
22	−	1.0	0.5	0.0	0.0	1.0	60	1.0	0.38	0.0	1.0	0.32	0.0	1.0	0.52	0.0	1.0	0.5	0.0
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	1.0	0.5	0.59	1.0	0.5	0.57	1.0	0.53	0.5	1.0	0.5	0.5
24	*Mw*	1.0	0.5	1.0	0.0	0.5	330	0.76	0.5	1.0	1.0	0.5	0.99	1.0	0.5	0.99	1.0	0.5	1.0
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	1.0	0.89	0.0	1.0	0.8	0.0	1.0	0.97	0.0	1.0	1.0	0.0
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	1.0	0.95	0.5	1.0	0.9	0.5	1.0	0.98	0.5	1.0	1.0	0.5
27	*W*	1.0	1.0	1.0	0.0	0.0	−	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

$a^*_{r0} = o^*_{30}\ cos(30) + l^*_{30}\ cos(150)$ $\quad H^*_{s0} = atan\ (\ b^*_{r0} / a^*_{r0}\ )$

$b^*_{r0} = o^*_{30}\ sin(30) + l^*_{30}\ sin(150) - v^*_{30}\ sin(270)$ $\quad H^*_{si0} = round\ (\ H^*_{s0}\ )$

ZE111−7

Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (TLS00) and output ***LCH*a,Mm*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>TLS00			−>TLS00			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*olv*30*			*n*, c*, H*si0*			*LCH*a,M1*			*LCH*a,M2*			*LCH*a,M3*			*LCH*a,M4*		
01	*N*	0.0	0.0	0.0	1.0	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
03	*V*	0.0	0.0	1.0	0.0	1.0	270	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
06	−	0.0	0.5	1.0	0.0	1.0	240	51.5	47.5	251	58.8	27.6	251	56.7	69.2	251	56.7	68.3	251
07	*L*	0.0	1.0	0.0	0.0	1.0	150	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
08	−	0.0	1.0	0.5	0.0	1.0	180	52.3	59.7	166	85.2	99.4	166	56.7	75.0	166	56.7	69.1	166
09	*C*	0.0	1.0	1.0	0.0	1.0	210	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
10	*On*	0.5	0.0	0.0	0.5	0.5	30	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
11	*Mn*	0.5	0.0	0.5	0.5	0.5	329	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
12	−	0.5	0.0	1.0	0.0	1.0	299	31.2	50.6	317	43.5	126	317	56.7	71.1	317	56.7	70.1	317
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
16	−	0.5	1.0	0.0	0.0	1.0	119	74.0	82.3	119	88.3	89.2	119	56.7	64.1	119	56.7	67.0	119
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
19	*O*	1.0	0.0	0.0	0.0	1.0	30	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
20	−	1.0	0.0	0.5	0.0	1.0	0	48.1	71.7	4	53.9	89.9	4	56.7	68.6	4	56.7	67.2	4
21	*M*	1.0	0.0	1.0	0.0	1.0	329	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
22	−	1.0	0.5	0.0	0.0	1.0	60	72.0	72.2	71	71.3	85.7	71	56.7	66.1	71	56.7	68.3	71
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
24	*Mw*	1.0	0.5	1.0	0.0	0.5	329	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
27	*W*	1.0	1.0	1.0	0.0	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−

a*r0 = o*30 cos(30) + l*30 cos(150) ***H*s0 = atan (b*r0 / a*r0)***
b*r0 = o*30 sin(30) + l*30 sin(150) − v*30 sin(270) ***H*si0 = round (H*s0)***

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (SRS18) and output ***LCH*a,Mm*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>SRS18			−>SRS18			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*olv*30*			*n*, c*, H*si0*			*LCH*a,M1*			*LCH*a,M2*			*LCH*a,M3*			*LCH*a,M4*		
01	*N*	0.0	0.0	0.0	1.0	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
03	*V*	0.0	0.0	1.0	0.0	1.0	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
06	−	0.0	0.5	1.0	0.0	1.0	240	56.7	51.9	240	64.5	28.2	240	56.7	68.9	240	56.7	67.0	240
07	*L*	0.0	1.0	0.0	0.0	1.0	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
08	−	0.0	1.0	0.5	0.0	1.0	180	53.5	54.5	180	86.0	102	180	56.7	69.7	180	56.7	67.0	180
09	*C*	0.0	1.0	1.0	0.0	1.0	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
10	*On*	0.5	0.0	0.0	0.5	0.5	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
11	*Mn*	0.5	0.0	0.5	0.5	0.5	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
12	−	0.5	0.0	1.0	0.0	1.0	300	28.1	51.4	300	33.6	41.8	300	56.7	68.0	300	56.7	67.0	300
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
16	−	0.5	1.0	0.0	0.0	1.0	120	73.3	82.2	120	88.0	89.2	120	56.7	63.9	120	56.7	67.0	120
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
19	*O*	1.0	0.0	0.0	0.0	1.0	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
20	−	1.0	0.0	0.5	0.0	1.0	0	48.1	72.9	0	54.3	90.1	0	56.7	68.2	0	56.7	67.0	0
21	*M*	1.0	0.0	1.0	0.0	1.0	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
22	−	1.0	0.5	0.0	0.0	1.0	60	64.1	72.6	60	63.9	87.4	60	56.7	64.6	60	56.7	67.0	60
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
24	*Mw*	1.0	0.5	1.0	0.0	0.5	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
27	*W*	1.0	1.0	1.0	0.0	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−

a*r0 = o*30 cos(30) + l*30 cos(150) ***H*s0 = atan (b*r0 / a*r0)***
b*r0 = o*30 sin(30) + l*30 sin(150) − v*30 sin(270) ***H*si0 = round (H*s0)***

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (TLS00) and output ***LCH*am*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>TLS00			−>TLS00			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*olv*30*			*n*, c*, H*si0*			*LCH*a1*			*LCH*a2*			*LCH*a3*			*LCH*a4*		
01	*N*	0.0	0.0	0.0	1.0	0.0	−	18.0	0.0	−	0.0	0.0	−	18.0	0.0	−	18.0	0.0	−
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	22.1	26.9	306	15.3	23.9	306	37.4	34.2	306	37.4	33.7	306
03	*V*	0.0	0.0	1.0	0.0	1.0	270	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	39.9	42.0	136	41.8	46.5	136	37.4	32.1	136	37.4	34.9	136
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	36.5	26.5	196	43.4	57.3	196	37.4	34.6	196	37.4	34.9	196
06	−	0.0	0.5	1.0	0.0	1.0	240	51.5	47.5	251	58.8	27.6	251	56.7	69.2	251	56.7	68.3	251
07	*L*	0.0	1.0	0.0	0.0	1.0	150	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
08	−	0.0	1.0	0.5	0.0	1.0	180	52.3	59.7	166	85.2	99.4	166	56.7	75.0	166	56.7	69.1	166
09	*C*	0.0	1.0	1.0	0.0	1.0	210	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
10	*On*	0.5	0.0	0.0	0.5	0.5	30	33.8	40.4	40	25.3	55.5	40	37.4	34.1	40	37.4	35.7	40
11	*Mn*	0.5	0.0	0.5	0.5	0.5	329	27.2	24.7	328	28.5	64.2	328	37.4	38.5	328	37.4	38.0	328
12	−	0.5	0.0	1.0	0.0	1.0	299	31.2	50.6	317	43.5	126	317	56.7	71.1	317	56.7	70.1	317
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	51.8	43.9	103	46.3	46.5	103	37.4	34.8	103	37.4	35.0	103
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	56.7	0.0	−	47.7	0.0	−	56.7	0.0	−	56.7	0.0	−
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	60.8	26.9	306	63.0	23.9	306	76.1	34.2	306	76.1	33.7	306
16	−	0.5	1.0	0.0	0.0	1.0	119	74.0	82.3	119	88.3	89.2	119	56.7	64.1	119	56.7	67.0	119
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	78.6	42.0	136	89.5	46.5	136	76.1	32.1	136	76.1	34.9	136
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	75.2	26.5	196	91.1	57.3	196	76.1	34.6	196	76.1	34.9	196
19	*O*	1.0	0.0	0.0	0.0	1.0	30	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
20	−	1.0	0.0	0.5	0.0	1.0	0	48.1	71.7	4	53.9	89.9	4	56.7	68.6	4	56.7	67.2	4
21	*M*	1.0	0.0	1.0	0.0	1.0	329	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
22	−	1.0	0.5	0.0	0.0	1.0	60	72.0	72.2	71	71.3	85.7	71	56.7	66.1	71	56.7	68.3	71
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	72.5	40.4	40	73.0	55.5	40	76.1	34.1	40	76.1	35.7	40
24	*Mw*	1.0	0.5	1.0	0.0	0.5	329	65.9	24.7	328	76.2	64.2	328	76.1	38.5	328	76.1	38.0	328
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	90.5	43.9	103	94.0	46.5	103	76.1	34.8	103	76.1	35.0	103
27	*W*	1.0	1.0	1.0	0.0	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−

$a^*_{r0} = o^*_{30}\ cos(30) + l^*_{30}\ cos(150)$ $\quad H^*_{s0} = atan\ (\ b^*_{r0} / a^*_{r0}\ )$

$b^*_{r0} = o^*_{30}\ sin(30) + l^*_{30}\ sin(150) - v^*_{30}\ sin(270)$ $\quad H^*_{si0} = round\ (\ H^*_{s0}\ )$

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (SRS18) and output ***LCH*am*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>SRS18			−>SRS18			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*olv*30*			*n*, c*, H*si0*			*LCH*a1*			*LCH*a2*			*LCH*a3*			*LCH*a4*		
01	*N*	0.0	0.0	0.0	1.0	0.0	−	18.0	0.0	−	0.0	0.0	−	18.0	0.0	−	18.0	0.0	−
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	30.2	22.4	270	24.5	14.6	270	37.4	38.1	270	37.4	38.7	270
03	*V*	0.0	0.0	1.0	0.0	1.0	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	34.8	45.8	150	42.2	51.8	150	37.4	34.4	150	37.4	38.7	150
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	37.1	27.6	210	39.9	18.4	210	37.4	36.7	210	37.4	38.7	210
06	−	0.0	0.5	1.0	0.0	1.0	240	56.7	51.9	240	64.5	28.2	240	56.7	68.9	240	56.7	67.0	240
07	*L*	0.0	1.0	0.0	0.0	1.0	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
08	−	0.0	1.0	0.5	0.0	1.0	180	53.5	54.5	180	86.0	102	180	56.7	69.7	180	56.7	67.0	180
09	*C*	0.0	1.0	1.0	0.0	1.0	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
10	*On*	0.5	0.0	0.0	0.5	0.5	30	33.0	36.2	30	25.7	50.0	30	37.4	36.9	30	37.4	38.7	30
11	*Mn*	0.5	0.0	0.5	0.5	0.5	330	27.6	24.7	330	28.6	54.3	330	37.4	38.2	330	37.4	38.7	330
12	−	0.5	0.0	1.0	0.0	1.0	300	28.1	51.4	300	33.6	41.8	300	56.7	68.0	300	56.7	67.0	300
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	51.9	39.1	90	42.0	45.2	90	37.4	37.7	90	37.4	38.7	90
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	56.7	0.0	−	47.7	0.0	−	56.7	0.0	−	56.7	0.0	−
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	68.9	22.4	270	72.2	14.6	270	76.1	38.1	270	76.1	38.7	270
16	−	0.5	1.0	0.0	0.0	1.0	120	73.3	82.2	120	88.0	89.2	120	56.7	63.9	120	56.7	67.0	120
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	73.5	45.8	150	89.9	51.8	150	76.1	34.4	150	76.1	38.7	150
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	75.8	27.6	210	87.6	18.4	210	76.1	36.7	210	76.1	38.7	210
19	*O*	1.0	0.0	0.0	0.0	1.0	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
20	−	1.0	0.0	0.5	0.0	1.0	0	48.1	72.9	0	54.3	90.1	0	56.7	68.2	0	56.7	67.0	0
21	*M*	1.0	0.0	1.0	0.0	1.0	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
22	−	1.0	0.5	0.0	0.0	1.0	60	64.1	72.6	60	63.9	87.4	60	56.7	64.6	60	56.7	67.0	60
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	71.7	36.2	30	73.4	50.0	30	76.1	36.9	30	76.1	38.7	30
24	*Mw*	1.0	0.5	1.0	0.0	0.5	330	66.3	24.7	330	76.3	54.3	330	76.1	38.2	330	76.1	38.7	330
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	90.6	39.1	90	89.7	45.2	90	76.1	37.7	90	76.1	38.7	90
27	*W*	1.0	1.0	1.0	0.0	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−

$a^*_{r0} = o^*_{30}\ cos(30) + l^*_{30}\ cos(150)$ $\quad H^*_{s0} = atan\ (\ b^*_{r0} / a^*_{r0}\ )$

$b^*_{r0} = o^*_{30}\ sin(30) + l^*_{30}\ sin(150) - v^*_{30}\ sin(270)$ $\quad H^*_{si0} = round\ (\ H^*_{s0}\ )$

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (TLS00) and output ***H*aim H*eim*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>TLS00			−>TLS00			ORS18			TLS00		NRS18		SRS18	
no.	*Colour*	*olv*30*			*n**, *c**, *H*si0*			*H*ai1*	*H*ei1*	*H*ai2*	*H*ei2*	*H*ai3*	*H*ei3*	*H*ai4*	*H*ei4*	
01	*N*	0.0	0.0	0.0	1.0	0.0	−	−	−	−	−	−	−	−	−	
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	306	298	306	297	306	297	306	297	
03	*V*	0.0	0.0	1.0	0.0	1.0	270	306	298	306	297	306	297	306	297	
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	136	145	136	146	136	146	136	146	
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	196	207	196	208	196	208	196	208	
06	−	0.0	0.5	1.0	0.0	1.0	240	251	253	251	253	251	253	251	253	
07	*L*	0.0	1.0	0.0	0.0	1.0	150	136	145	136	146	136	146	136	146	
08	−	0.0	1.0	0.5	0.0	1.0	180	166	181	166	183	166	183	166	183	
09	*C*	0.0	1.0	1.0	0.0	1.0	210	196	207	196	208	196	208	196	208	
10	*On*	0.5	0.0	0.0	0.5	0.5	30	40	20	40	19	40	19	40	19	
11	*Mn*	0.5	0.0	0.5	0.5	0.5	329	328	315	328	315	328	315	328	315	
12	−	0.5	0.0	1.0	0.0	1.0	299	317	306	317	306	317	306	317	306	
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	103	104	103	104	103	104	103	104	
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	−	−	−	−	−	−	−	−	
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	306	298	306	297	306	297	306	297	
16	−	0.5	1.0	0.0	0.0	1.0	119	119	124	119	124	119	124	119	124	
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	136	145	136	146	136	146	136	146	
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	196	207	196	208	196	208	196	208	
19	*O*	1.0	0.0	0.0	0.0	1.0	30	40	20	40	19	40	19	40	19	
20	−	1.0	0.0	0.5	0.0	1.0	0	4	343	4	343	4	343	4	343	
21	*M*	1.0	0.0	1.0	0.0	1.0	329	328	315	328	315	328	315	328	315	
22	−	1.0	0.5	0.0	0.0	1.0	60	71	62	71	61	71	61	71	61	
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	40	20	40	19	40	19	40	19	
24	*Mw*	1.0	0.5	1.0	0.0	0.5	329	328	315	328	315	328	315	328	315	
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	103	104	103	104	103	104	103	104	
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	103	104	103	104	103	104	103	104	
27	*W*	1.0	1.0	1.0	0.0	0.0	−	−	−	−	−	−	−	−	−	

***a*r0 = o*30 cos*(30) + *l*30 cos*(150)** **H*s0 = atan (b*r0 / a*r0)**
***b*r0 = o*30 sin*(30) + *l*30 sin*(150) − *v*30 sin*(270)** **H*si0 = round (H*s0)**

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***olv*30*** (SRS18) and output ***H*aim H*eim*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>SRS18			−>SRS18			ORS18			TLS00		NRS18		SRS18	
no.	*Colour*	*olv*30*			*n**, *c**, *H*si0*			*H*ai1*	*H*ei1*	*H*ai2*	*H*ei2*	*H*ai3*	*H*ei3*	*H*ai4*	*H*ei4*	
01	*N*	0.0	0.0	0.0	1.0	0.0	−	−	−	−	−	−	−	−	−	
02	*Vn*	0.0	0.0	0.5	0.5	0.5	270	270	269	270	269	270	269	270	269	
03	*V*	0.0	0.0	1.0	0.0	1.0	270	270	269	270	269	270	269	270	269	
04	*Ln*	0.0	0.5	0.0	0.5	0.5	150	150	162	150	164	150	164	150	164	
05	*Cn*	0.0	0.5	0.5	0.5	0.5	210	210	218	210	219	210	219	210	219	
06	−	0.0	0.5	1.0	0.0	1.0	240	240	244	240	244	240	244	240	244	
07	*L*	0.0	1.0	0.0	0.0	1.0	150	150	162	150	164	150	164	150	164	
08	−	0.0	1.0	0.5	0.0	1.0	180	180	193	180	195	180	195	180	195	
09	*C*	0.0	1.0	1.0	0.0	1.0	210	210	218	210	219	210	219	210	219	
10	*On*	0.5	0.0	0.0	0.5	0.5	30	30	7	30	6	30	6	30	6	
11	*Mn*	0.5	0.0	0.5	0.5	0.5	330	330	317	330	316	330	316	330	316	
12	−	0.5	0.0	1.0	0.0	1.0	300	300	293	300	292	300	292	300	292	
13	*Ln*	0.5	0.5	0.0	0.5	0.5	90	90	87	90	87	90	87	90	87	
14	*Z*	0.5	0.5	0.5	0.5	0.0	−	−	−	−	−	−	−	−	−	
15	*Vw*	0.5	0.5	1.0	0.0	0.5	270	270	269	270	269	270	269	270	269	
16	−	0.5	1.0	0.0	0.0	1.0	120	120	125	120	126	120	126	120	126	
17	*Lw*	0.5	1.0	0.5	0.0	0.5	150	150	162	150	164	150	164	150	164	
18	*Mw*	0.5	1.0	1.0	0.0	0.5	210	210	218	210	219	210	219	210	219	
19	*O*	1.0	0.0	0.0	0.0	1.0	30	30	7	30	6	30	6	30	6	
20	−	1.0	0.0	0.5	0.0	1.0	0	0	340	0	340	0	340	0	340	
21	*M*	1.0	0.0	1.0	0.0	1.0	330	330	317	330	316	330	316	330	316	
22	−	1.0	0.5	0.0	0.0	1.0	60	60	47	60	46	60	46	60	46	
23	*Ow*	1.0	0.5	0.5	0.0	0.5	30	30	7	30	6	30	6	30	6	
24	*Mw*	1.0	0.5	1.0	0.0	0.5	330	330	317	330	316	330	316	330	316	
25	*Y*	1.0	1.0	0.0	0.0	1.0	90	90	87	90	87	90	87	90	87	
26	*Yw*	1.0	1.0	0.5	0.0	0.5	90	90	87	90	87	90	87	90	87	
27	*W*	1.0	1.0	1.0	0.0	0.0	−	−	−	−	−	−	−	−	−	

***a*r0 = o*30 cos*(30) + *l*30 cos*(150)** **H*s0 = atan (b*r0 / a*r0)**
***b*r0 = o*30 sin*(30) + *l*30 sin*(150) − *v*30 sin*(270)** **H*si0 = round (H*s0)**

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (TLS00) and output ***olv*3m*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		->TLS00				->TLS00			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*LCH*a0*				*n*, c*, H*ai0*			*olv*31*			*olv*32*			*olv*33*			*olv*34*		
01	*N*	0.0	0.0	−	1.0	0.0	−	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	*Vn*	15.3	23.9	306	0.5	0.5	306	0.01	0.0	0.5	0.0	0.0	0.5	0.3	0.0	0.5	0.3	0.0	0.5	
03	*V*	30.5	47.8	306	0.0	1.0	306	0.02	0.0	1.0	0.0	0.0	1.0	0.6	0.0	1.0	0.6	0.0	1.0	
04	*Ln*	41.8	46.5	136	0.5	0.5	136	0.14	0.5	0.0	0.0	0.5	0.0	0.19	0.5	0.0	0.12	0.5	0.0	
05	*Cn*	43.4	57.3	196	0.5	0.5	196	0.0	0.5	0.26	0.0	0.5	0.5	0.0	0.5	0.31	0.0	0.5	0.38	
06	−	58.8	27.6	251	0.0	1.0	251	0.0	0.78	1.0	0.0	0.5	1.0	0.0	0.38	1.0	0.0	0.32	1.0	
07	*L*	83.6	93.1	136	0.0	1.0	136	0.27	1.0	0.0	0.0	1.0	0.0	0.38	1.0	0.0	0.23	1.0	0.0	
08	−	85.2	99.4	166	0.0	1.0	166	0.0	1.0	0.18	0.0	1.0	0.5	0.0	1.0	0.07	0.0	1.0	0.27	
09	*C*	86.9	115	196	0.0	1.0	196	0.0	1.0	0.53	0.0	1.0	0.99	0.0	1.0	0.62	0.0	1.0	0.77	
10	*On*	25.3	55.5	40	0.5	0.5	40	0.5	0.02	0.0	0.5	0.0	0.0	0.5	0.11	0.0	0.5	0.08	0.0	
11	*Mn*	28.5	64.2	328	0.5	0.5	328	0.24	0.0	0.5	0.49	0.0	0.5	0.49	0.0	0.5	0.48	0.0	0.5	
12	−	43.5	126	317	0.0	1.0	317	0.25	0.0	1.0	0.49	0.0	1.0	0.8	0.0	1.0	0.78	0.0	1.0	
13	*Ln*	46.3	46.5	103	0.5	0.5	103	0.44	0.5	0.0	0.5	0.5	0.0	0.42	0.5	0.0	0.39	0.5	0.0	
14	*Z*	47.7	0.0	−	0.5	0.0	−	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
15	*Vw*	63.0	23.9	306	0.0	0.5	306	0.51	0.5	1.0	0.5	0.5	1.0	0.8	0.5	1.0	0.8	0.5	1.0	
16	−	88.3	89.2	119	0.0	1.0	119	0.59	1.0	0.0	0.51	1.0	0.0	0.62	1.0	0.0	0.52	1.0	0.0	
17	*Lw*	89.5	46.5	136	0.0	0.5	136	0.64	1.0	0.5	0.5	1.0	0.5	0.69	1.0	0.5	0.62	1.0	0.5	
18	*Mw*	91.1	57.3	196	0.0	0.5	196	0.5	1.0	0.76	0.5	1.0	1.0	0.5	1.0	0.81	0.5	1.0	0.88	
19	*O*	50.5	111	40	0.0	1.0	40	1.0	0.04	0.0	1.0	0.0	0.0	1.0	0.22	0.0	1.0	0.17	0.0	
20	−	53.9	89.9	4	0.0	1.0	4	1.0	0.0	0.77	1.0	0.0	0.5	1.0	0.0	0.38	1.0	0.0	0.43	
21	*M*	57.0	128	328	0.0	1.0	328	0.47	0.0	1.0	0.99	0.0	1.0	0.99	0.0	1.0	0.97	0.0	1.0	
22	−	71.3	85.7	71	0.0	1.0	71	1.0	0.57	0.0	1.0	0.49	0.0	1.0	0.68	0.0	1.0	0.68	0.0	
23	*Ow*	73.0	55.5	40	0.0	0.5	40	1.0	0.52	0.5	1.0	0.5	0.5	1.0	0.61	0.5	1.0	0.58	0.5	
24	*Mw*	76.2	64.2	328	0.0	0.5	328	0.74	0.5	1.0	0.99	0.5	1.0	0.99	0.5	1.0	0.98	0.5	1.0	
25	*Y*	92.6	93.0	103	0.0	1.0	103	0.88	1.0	0.0	1.0	1.0	0.0	0.85	1.0	0.0	0.78	1.0	0.0	
26	*Yw*	94.0	46.5	103	0.0	0.5	103	0.94	1.0	0.5	1.0	1.0	0.5	0.92	1.0	0.5	0.89	1.0	0.5	
27	*W*	95.4	0.0	−	0.0	0.0	−	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

H*ai0 = round (H*a0)

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (SRS18) and output ***olv*3m*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		->SRS18				->SRS18			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*LCH*a0*				*n*, c*, H*ai0*			*olv*31*			*olv*32*			*olv*33*			*olv*34*		
01	*N*	18.0	0.0	−	1.0	0.0	−	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	*Vn*	37.4	38.7	270	0.5	0.5	270	0.0	0.25	0.5	0.0	0.17	0.5	0.0	0.02	0.5	0.0	0.0	0.5	
03	*V*	56.7	77.4	270	0.0	1.0	270	0.0	0.51	1.0	0.0	0.33	1.0	0.0	0.03	1.0	0.0	0.0	1.0	
04	*Ln*	37.4	38.7	150	0.5	0.5	150	0.01	0.5	0.0	0.0	0.5	0.12	0.09	0.5	0.0	0.0	0.5	0.0	
05	*Cn*	37.4	38.7	210	0.5	0.5	210	0.0	0.5	0.35	0.0	0.44	0.5	0.0	0.5	0.44	0.0	0.5	0.5	
06	−	56.7	67.0	240	0.0	1.0	240	0.0	0.94	1.0	0.0	0.6	1.0	0.0	0.58	1.0	0.0	0.5	1.0	
07	*L*	56.7	77.4	150	0.0	1.0	150	0.02	1.0	0.0	0.0	1.0	0.23	0.17	1.0	0.0	0.0	1.0	0.0	
08	−	56.7	67.0	180	0.0	1.0	180	0.0	1.0	0.34	0.0	1.0	0.73	0.0	1.0	0.32	0.0	1.0	0.5	
09	*C*	56.7	77.4	210	0.0	1.0	210	0.0	1.0	0.69	0.0	0.88	1.0	0.0	1.0	0.87	0.0	1.0	1.0	
10	*On*	37.4	38.7	30	0.5	0.5	30	0.5	0.0	0.09	0.5	0.0	0.07	0.5	0.03	0.0	0.5	0.0	0.0	
11	*Mn*	37.4	38.7	330	0.5	0.5	330	0.26	0.0	0.5	0.5	0.0	0.49	0.5	0.0	0.49	0.5	0.0	0.5	
12	−	56.7	67.0	300	0.0	1.0	300	0.0	0.07	1.0	0.0	0.06	1.0	0.5	0.0	1.0	0.5	0.0	1.0	
13	*Ln*	37.4	38.7	90	0.5	0.5	90	0.5	0.45	0.0	0.5	0.4	0.0	0.5	0.48	0.0	0.5	0.5	0.0	
14	*Z*	56.7	0.0	−	0.5	0.0	−	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
15	*Vw*	76.1	38.7	270	0.0	0.5	270	0.5	0.75	1.0	0.5	0.67	1.0	0.5	0.52	1.0	0.5	0.5	1.0	
16	−	56.7	67.0	120	0.0	1.0	120	0.57	1.0	0.0	0.48	1.0	0.0	0.6	1.0	0.0	0.5	1.0	0.0	
17	*Lw*	76.1	38.7	150	0.0	0.5	150	0.51	1.0	0.5	0.5	1.0	0.62	0.59	1.0	0.5	0.5	1.0	0.5	
18	*Mw*	76.1	38.7	210	0.0	0.5	210	0.5	1.0	0.85	0.5	0.94	1.0	0.5	1.0	0.94	0.5	1.0	1.0	
19	*O*	56.7	77.4	30	0.0	1.0	30	1.0	0.0	0.17	1.0	0.0	0.14	1.0	0.07	0.0	1.0	0.0	0.0	
20	−	56.7	67.0	0	0.0	1.0	0	1.0	0.0	0.86	1.0	0.0	0.56	1.0	0.0	0.45	1.0	0.0	0.5	
21	*M*	56.7	77.4	330	0.0	1.0	330	0.51	0.0	1.0	1.0	0.0	0.98	1.0	0.0	0.98	1.0	0.0	1.0	
22	−	56.7	67.0	60	0.0	1.0	60	1.0	0.38	0.0	1.0	0.32	0.0	1.0	0.52	0.0	1.0	0.5	0.0	
23	*Ow*	76.1	38.7	30	0.0	0.5	30	1.0	0.5	0.59	1.0	0.5	0.57	1.0	0.53	0.5	1.0	0.5	0.5	
24	*Mw*	76.1	38.7	330	0.0	0.5	330	0.76	0.5	1.0	1.0	0.5	0.99	1.0	0.5	0.99	1.0	0.5	1.0	
25	*Y*	56.7	77.4	90	0.0	1.0	90	1.0	0.89	0.0	1.0	0.8	0.0	1.0	0.97	0.0	1.0	1.0	0.0	
26	*Yw*	76.1	38.7	90	0.0	0.5	90	1.0	0.95	0.5	1.0	0.9	0.5	1.0	0.98	0.5	1.0	1.0	0.5	
27	*W*	95.4	0.0	−	0.0	0.0	−	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

H*ai0 = round (H*a0)

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (TLS00) and output ***LCH*a,Mm*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

no.	Colour	−>TLS00 LCH*a0			−>TLS00 n*, c*, H*ai0			ORS18 LCH*a,M1			TLS00 LCH*a,M2			NRS18 LCH*a,M3			SRS18 LCH*a,M4		
01	N	0.0	0.0	−	1.0	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−
02	Vn	15.3	23.9	306	0.5	0.5	306	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
03	V	30.5	47.8	306	0.0	1.0	306	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
04	Ln	41.8	46.5	136	0.5	0.5	136	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
05	Cn	43.4	57.3	196	0.5	0.5	196	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
06	−	58.8	27.6	251	0.0	1.0	251	51.5	47.5	251	58.8	27.6	251	56.7	69.2	251	56.7	68.3	251
07	L	83.6	93.1	136	0.0	1.0	136	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
08	−	85.2	99.4	166	0.0	1.0	166	52.3	59.7	166	85.2	99.4	166	56.7	75.0	166	56.7	69.1	166
09	C	86.9	115	196	0.0	1.0	196	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
10	On	25.3	55.5	40	0.5	0.5	40	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
11	Mn	28.5	64.2	328	0.5	0.5	328	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
12	−	43.5	126	317	0.0	1.0	317	31.2	50.6	317	43.5	126	317	56.7	71.1	317	56.7	70.1	317
13	Ln	46.3	46.5	103	0.5	0.5	103	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
14	Z	47.7	0.0	−	0.5	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−
15	Vw	63.0	23.9	306	0.0	0.5	306	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
16	−	88.3	89.2	119	0.0	1.0	119	74.0	82.3	119	88.3	89.2	119	56.7	64.1	119	56.7	67.0	119
17	Lw	89.5	46.5	136	0.0	0.5	136	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
18	Mw	91.1	57.3	196	0.0	0.5	196	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
19	O	50.5	111	40	0.0	1.0	40	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
20	−	53.9	89.9	4	0.0	1.0	4	48.1	71.7	4	53.9	89.9	4	56.7	68.6	4	56.7	67.2	4
21	M	57.0	128	328	0.0	1.0	328	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
22	−	71.3	85.7	71	0.0	1.0	71	72.0	72.2	71	71.3	85.7	71	56.7	66.1	71	56.7	68.3	71
23	Ow	73.0	55.5	40	0.0	0.5	40	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
24	Mw	76.2	64.2	328	0.0	0.5	328	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
25	Y	92.6	93.0	103	0.0	1.0	103	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
26	Yw	94.0	46.5	103	0.0	0.5	103	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
27	W	95.4	0.0	−	0.0	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−

H*ai0 = round (H*a0)

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (SRS18) and output ***LCH*a,Mm*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

no.	Colour	−>SRS18 LCH*a0			−>SRS18 n*, c*, H*ai0			ORS18 LCH*a,M1			TLS00 LCH*a,M2			NRS18 LCH*a,M3			SRS18 LCH*a,M4		
01	N	18.0	0.0	−	1.0	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−
02	Vn	37.4	38.7	270	0.5	0.5	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
03	V	56.7	77.4	270	0.0	1.0	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
04	Ln	37.4	38.7	150	0.5	0.5	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
05	Cn	37.4	38.7	210	0.5	0.5	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
06	−	56.7	67.0	240	0.0	1.0	240	56.7	51.9	240	64.5	28.2	240	56.7	68.9	240	56.7	67.0	240
07	L	56.7	77.4	150	0.0	1.0	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
08	−	56.7	67.0	180	0.0	1.0	180	53.5	54.5	180	86.0	102	180	56.7	69.7	180	56.7	67.0	180
09	C	56.7	77.4	210	0.0	1.0	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
10	On	37.4	38.7	30	0.5	0.5	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
11	Mn	37.4	38.7	330	0.5	0.5	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
12	−	56.7	67.0	300	0.0	1.0	300	28.1	51.4	300	33.6	41.8	300	56.7	68.0	300	56.7	67.0	300
13	Ln	37.4	38.7	90	0.5	0.5	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
14	Z	56.7	0.0	−	0.5	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−
15	Vw	76.1	38.7	270	0.0	0.5	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
16	−	56.7	67.0	120	0.0	1.0	120	73.3	82.2	120	88.0	89.2	120	56.7	63.9	120	56.7	67.0	120
17	Lw	76.1	38.7	150	0.0	0.5	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
18	Mw	76.1	38.7	210	0.0	0.5	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
19	O	56.7	77.4	30	0.0	1.0	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
20	−	56.7	67.0	0	0.0	1.0	0	48.1	72.9	0	54.3	90.1	0	56.7	68.2	0	56.7	67.0	0
21	M	56.7	77.4	330	0.0	1.0	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
22	−	56.7	67.0	60	0.0	1.0	60	64.1	72.6	60	63.9	87.4	60	56.7	64.6	60	56.7	67.0	60
23	Ow	76.1	38.7	30	0.0	0.5	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
24	Mw	76.1	38.7	330	0.0	0.5	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
25	Y	56.7	77.4	90	0.0	1.0	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
26	Yw	76.1	38.7	90	0.0	0.5	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
27	W	95.4	0.0	−	0.0	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−

H*ai0 = round (H*a0)

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (TLS00) and output ***LCH*am*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

no.	*Colour*	−>TLS00 *LCH*a0*			−>TLS00 *n*, c*, H*ai0*			ORS18 *LCH*a1*			TLS00 *LCH*a2*			NRS18 *LCH*a3*			SRS18 *LCH*a4*		
01	*N*	0.0	0.0	−	1.0	0.0	−	18.0	0.0	−	0.0	0.0	−	18.0	0.0	−	18.0	0.0	−
02	*Vn*	15.3	23.9	306	0.5	0.5	306	22.1	26.9	306	15.3	23.9	306	37.4	34.2	306	37.4	33.7	306
03	*V*	30.5	47.8	306	0.0	1.0	306	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
04	*Ln*	41.8	46.5	136	0.5	0.5	136	39.9	42.0	136	41.8	46.5	136	37.4	32.1	136	37.4	34.9	136
05	*Cn*	43.4	57.3	196	0.5	0.5	196	36.5	26.5	196	43.4	57.3	196	37.4	34.6	196	37.4	34.9	196
06	−	58.8	27.6	251	0.0	1.0	251	51.5	47.5	251	58.8	27.6	251	56.7	69.2	251	56.7	68.3	251
07	*L*	83.6	93.1	136	0.0	1.0	136	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
08	−	85.2	99.4	166	0.0	1.0	166	52.3	59.7	166	85.2	99.4	166	56.7	75.0	166	56.7	69.1	166
09	*C*	86.9	115	196	0.0	1.0	196	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
10	*On*	25.3	55.5	40	0.5	0.5	40	33.8	40.4	40	25.3	55.5	40	37.4	34.1	40	37.4	35.7	40
11	*Mn*	28.5	64.2	328	0.5	0.5	328	27.2	24.7	328	28.5	64.2	328	37.4	38.5	328	37.4	38.0	328
12	−	43.5	126	317	0.0	1.0	317	31.2	50.6	317	43.5	126	317	56.7	71.1	317	56.7	70.1	317
13	*Ln*	46.3	46.5	103	0.5	0.5	103	51.8	43.9	103	46.3	46.5	103	37.4	34.8	103	37.4	35.0	103
14	*Z*	47.7	0.0	−	0.5	0.0	−	56.7	0.0	−	47.7	0.0	−	56.7	0.0	−	56.7	0.0	−
15	*Vw*	63.0	23.9	306	0.0	0.5	306	60.8	26.9	306	63.0	23.9	306	76.1	34.2	306	76.1	33.7	306
16	−	88.3	89.2	119	0.0	1.0	119	74.0	82.3	119	88.3	89.2	119	56.7	64.1	119	56.7	67.0	119
17	*Lw*	89.5	46.5	136	0.0	0.5	136	78.6	42.0	136	89.5	46.5	136	76.1	32.1	136	76.1	34.9	136
18	*Mw*	91.1	57.3	196	0.0	0.5	196	75.2	26.5	196	91.1	57.3	196	76.1	34.6	196	76.1	34.9	196
19	*O*	50.5	111	40	0.0	1.0	40	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
20	−	53.9	89.9	4	0.0	1.0	4	48.1	71.7	4	53.9	89.9	4	56.7	68.6	4	56.7	67.2	4
21	*M*	57.0	128	328	0.0	1.0	328	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
22	−	71.3	85.7	71	0.0	1.0	71	72.0	72.2	71	71.3	85.7	71	56.7	66.1	71	56.7	68.3	71
23	*Ow*	73.0	55.5	40	0.0	0.5	40	72.5	40.4	40	73.0	55.5	40	76.1	34.1	40	76.1	35.7	40
24	*Mw*	76.2	64.2	328	0.0	0.5	328	65.9	24.7	328	76.2	64.2	328	76.1	38.5	328	76.1	38.0	328
25	*Y*	92.6	93.0	103	0.0	1.0	103	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
26	*Yw*	94.0	46.5	103	0.0	0.5	103	90.5	43.9	103	94.0	46.5	103	76.1	34.8	103	76.1	35.0	103
27	*W*	95.4	0.0	−	0.0	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−

H*ai0* = *round* (*H*a0*)

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (SRS18) and output ***LCH*am*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

no.	*Colour*	−>SRS18 *LCH*a0*			−>SRS18 *n*, c*, H*ai0*			ORS18 *LCH*a1*			TLS00 *LCH*a2*			NRS18 *LCH*a3*			SRS18 *LCH*a4*		
01	*N*	18.0	0.0	−	1.0	0.0	−	18.0	0.0	−	0.0	0.0	−	18.0	0.0	−	18.0	0.0	−
02	*Vn*	37.4	38.7	270	0.5	0.5	270	30.2	22.4	270	24.5	14.6	270	37.4	38.1	270	37.4	38.7	270
03	*V*	56.7	77.4	270	0.0	1.0	270	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
04	*Ln*	37.4	38.7	150	0.5	0.5	150	34.8	45.8	150	42.2	51.8	150	37.4	34.4	150	37.4	38.7	150
05	*Cn*	37.4	38.7	210	0.5	0.5	210	37.1	27.6	210	39.9	18.4	210	37.4	36.7	210	37.4	38.7	210
06	−	56.7	67.0	240	0.0	1.0	240	56.7	51.9	240	64.5	28.2	240	56.7	68.9	240	56.7	67.0	240
07	*L*	56.7	77.4	150	0.0	1.0	150	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
08	−	56.7	67.0	180	0.0	1.0	180	53.5	54.5	180	86.0	102	180	56.7	69.7	180	56.7	67.0	180
09	*C*	56.7	77.4	210	0.0	1.0	210	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
10	*On*	37.4	38.7	30	0.5	0.5	30	33.0	36.2	30	25.7	50.0	30	37.4	36.9	30	37.4	38.7	30
11	*Mn*	37.4	38.7	330	0.5	0.5	330	27.6	24.7	330	28.6	54.3	330	37.4	38.2	330	37.4	38.7	330
12	−	56.7	67.0	300	0.0	1.0	300	28.1	51.4	300	33.6	41.8	300	56.7	68.0	300	56.7	67.0	300
13	*Ln*	37.4	38.7	90	0.5	0.5	90	51.9	39.1	90	42.0	45.2	90	37.4	37.7	90	37.4	38.7	90
14	*Z*	56.7	0.0	−	0.5	0.0	−	56.7	0.0	−	47.7	0.0	−	56.7	0.0	−	56.7	0.0	−
15	*Vw*	76.1	38.7	270	0.0	0.5	270	68.9	22.4	270	72.2	14.6	270	76.1	38.1	270	76.1	38.7	270
16	−	56.7	67.0	120	0.0	1.0	120	73.3	82.2	120	88.0	89.2	120	56.7	63.9	120	56.7	67.0	120
17	*Lw*	76.1	38.7	150	0.0	0.5	150	73.5	45.8	150	89.9	51.8	150	76.1	34.4	150	76.1	38.7	150
18	*Mw*	76.1	38.7	210	0.0	0.5	210	75.8	27.6	210	87.6	18.4	210	76.1	36.7	210	76.1	38.7	210
19	*O*	56.7	77.4	30	0.0	1.0	30	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
20	−	56.7	67.0	0	0.0	1.0	0	48.1	72.9	0	54.3	90.1	0	56.7	68.2	0	56.7	67.0	0
21	*M*	56.7	77.4	330	0.0	1.0	330	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
22	−	56.7	67.0	60	0.0	1.0	60	64.1	72.6	60	63.9	87.4	60	56.7	64.6	60	56.7	67.0	60
23	*Ow*	76.1	38.7	30	0.0	0.5	30	71.7	36.2	30	73.4	50.0	30	76.1	36.9	30	76.1	38.7	30
24	*Mw*	76.1	38.7	330	0.0	0.5	330	66.3	24.7	330	76.3	54.3	330	76.1	38.2	330	76.1	38.7	330
25	*Y*	56.7	77.4	90	0.0	1.0	90	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
26	*Yw*	76.1	38.7	90	0.0	0.5	90	90.6	39.1	90	89.7	45.2	90	76.1	37.7	90	76.1	38.7	90
27	*W*	95.4	0.0	−	0.0	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−

H*ai0* = *round* (*H*a0*)

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (TLS00) and output ***H*aim H*eim*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>TLS00			−>TLS00			ORS18			TLS00		NRS18		SRS18	
no.	*Colour*	*LCH*a0*			*n*, c*, H*ai0*			*H*ai1*	*H*ei1*		*H*ai2*	*H*ei2*	*H*ai3*	*H*ei3*	*H*ai4*	*H*ei4*
01	*N*	0.0	0.0	−	1.0	0.0	−	−	−		−	−	−	−	−	−
02	*Vn*	15.3	23.9	306	0.5	0.5	306	306	298		306	297	306	297	306	297
03	*V*	30.5	47.8	306	0.0	1.0	306	306	298		306	297	306	297	306	297
04	*Ln*	41.8	46.5	136	0.5	0.5	136	136	145		136	146	136	146	136	146
05	*Cn*	43.4	57.3	196	0.5	0.5	196	196	207		196	208	196	208	196	208
06	−	58.8	27.6	251	0.0	1.0	251	251	253		251	253	251	253	251	253
07	*L*	83.6	93.1	136	0.0	1.0	136	136	145		136	146	136	146	136	146
08	−	85.2	99.4	166	0.0	1.0	166	166	181		166	183	166	183	166	183
09	*C*	86.9	115	196	0.0	1.0	196	196	207		196	208	196	208	196	208
10	*On*	25.3	55.5	40	0.5	0.5	40	40	20		40	19	40	19	40	19
11	*Mn*	28.5	64.2	328	0.5	0.5	328	328	315		328	315	328	315	328	315
12	−	43.5	126	317	0.0	1.0	317	317	306		317	306	317	306	317	306
13	*Ln*	46.3	46.5	103	0.5	0.5	103	103	104		103	104	103	104	103	104
14	*Z*	47.7	0.0	−	0.5	0.0	−	−	−		−	−	−	−	−	−
15	*Vw*	63.0	23.9	306	0.0	0.5	306	306	298		306	297	306	297	306	297
16	−	88.3	89.2	119	0.0	1.0	119	119	124		119	124	119	124	119	124
17	*Lw*	89.5	46.5	136	0.0	0.5	136	136	145		136	146	136	146	136	146
18	*Mw*	91.1	57.3	196	0.0	0.5	196	196	207		196	208	196	208	196	208
19	*O*	50.5	111	40	0.0	1.0	40	40	20		40	19	40	19	40	19
20	−	53.9	89.9	4	0.0	1.0	4	4	343		4	343	4	343	4	343
21	*M*	57.0	128	328	0.0	1.0	328	328	315		328	315	328	315	328	315
22	−	71.3	85.7	71	0.0	1.0	71	71	62		71	61	71	61	71	61
23	*Ow*	73.0	55.5	40	0.0	0.5	40	40	20		40	19	40	19	40	19
24	*Mw*	76.2	64.2	328	0.0	0.5	328	328	315		328	315	328	315	328	315
25	*Y*	92.6	93.0	103	0.0	1.0	103	103	104		103	104	103	104	103	104
26	*Yw*	94.0	46.5	103	0.0	0.5	103	103	104		103	104	103	104	103	104
27	*W*	95.4	0.0	−	0.0	0.0	−	−	−		−	−	−	−	−	−

H*ai0 = round (H*a0)

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***LCH*a0*** (SRS18) and output ***H*aim H*eim*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>SRS18			−>SRS18			ORS18			TLS00		NRS18		SRS18	
no.	*Colour*	*LCH*a0*			*n*, c*, H*ai0*			*H*ai1*	*H*ei1*		*H*ai2*	*H*ei2*	*H*ai3*	*H*ei3*	*H*ai4*	*H*ei4*
01	*N*	18.0	0.0	−	1.0	0.0	−	−	−		−	−	−	−	−	−
02	*Vn*	37.4	38.7	270	0.5	0.5	270	270	269		270	269	270	269	270	269
03	*V*	56.7	77.4	270	0.0	1.0	270	270	269		270	269	270	269	270	269
04	*Ln*	37.4	38.7	150	0.5	0.5	150	150	162		150	164	150	164	150	164
05	*Cn*	37.4	38.7	210	0.5	0.5	210	210	218		210	219	210	219	210	219
06	−	56.7	67.0	240	0.0	1.0	240	240	244		240	244	240	244	240	244
07	*L*	56.7	77.4	150	0.0	1.0	150	150	162		150	164	150	164	150	164
08	−	56.7	67.0	180	0.0	1.0	180	180	193		180	195	180	195	180	195
09	*C*	56.7	77.4	210	0.0	1.0	210	210	218		210	219	210	219	210	219
10	*On*	37.4	38.7	30	0.5	0.5	30	30	7		30	6	30	6	30	6
11	*Mn*	37.4	38.7	330	0.5	0.5	330	330	317		330	316	330	316	330	316
12	−	56.7	67.0	300	0.0	1.0	300	300	293		300	292	300	292	300	292
13	*Ln*	37.4	38.7	90	0.5	0.5	90	90	87		90	87	90	87	90	87
14	*Z*	56.7	0.0	−	0.5	0.0	−	−	−		−	−	−	−	−	−
15	*Vw*	76.1	38.7	270	0.0	0.5	270	270	269		270	269	270	269	270	269
16	−	56.7	67.0	120	0.0	1.0	120	120	125		120	126	120	126	120	126
17	*Lw*	76.1	38.7	150	0.0	0.5	150	150	162		150	164	150	164	150	164
18	*Mw*	76.1	38.7	210	0.0	0.5	210	210	218		210	219	210	219	210	219
19	*O*	56.7	77.4	30	0.0	1.0	30	30	7		30	6	30	6	30	6
20	−	56.7	67.0	0	0.0	1.0	0	0	340		0	340	0	340	0	340
21	*M*	56.7	77.4	330	0.0	1.0	330	330	317		330	316	330	316	330	316
22	−	56.7	67.0	60	0.0	1.0	60	60	47		60	46	60	46	60	46
23	*Ow*	76.1	38.7	30	0.0	0.5	30	30	7		30	6	30	6	30	6
24	*Mw*	76.1	38.7	330	0.0	0.5	330	330	317		330	316	330	316	330	316
25	*Y*	56.7	77.4	90	0.0	1.0	90	90	87		90	87	90	87	90	87
26	*Yw*	76.1	38.7	90	0.0	0.5	90	90	87		90	87	90	87	90	87
27	*W*	95.4	0.0	−	0.0	0.0	−	−	−		−	−	−	−	−	−

H*ai0 = round (H*a0)

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***nce**$_{30}$*** (TLS00) and output ***olv**$_{3m}$*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>TLS00			−>TLS00			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*nce**$_{30}$			*n**, *c**, *H**$_{ei0}$			*olv**$_{31}$			*olv**$_{32}$			*olv**$_{33}$			*olv**$_{34}$		
01	*N*	1.0	0.0	−	1.0	0.0	−	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	*Vn*	0.5	0.5	0.83	0.5	0.5	297	0.01	0.0	0.5	0.0	0.0	0.5	0.3	0.0	0.5	0.3	0.0	0.5
03	*V*	0.0	1.0	0.83	0.0	1.0	297	0.02	0.0	1.0	0.0	0.0	1.0	0.6	0.0	1.0	0.6	0.0	1.0
04	*Ln*	0.5	0.5	0.41	0.5	0.5	146	0.14	0.5	0.0	0.0	0.5	0.0	0.19	0.5	0.0	0.12	0.5	0.0
05	*Cn*	0.5	0.5	0.58	0.5	0.5	208	0.0	0.5	0.26	0.0	0.5	0.5	0.0	0.5	0.31	0.0	0.5	0.38
06	−	0.0	1.0	0.7	0.0	1.0	253	0.0	0.78	1.0	0.0	0.5	1.0	0.0	0.38	1.0	0.0	0.32	1.0
07	*L*	0.0	1.0	0.41	0.0	1.0	146	0.27	1.0	0.0	0.0	1.0	0.0	0.38	1.0	0.0	0.23	1.0	0.0
08	−	0.0	1.0	0.51	0.0	1.0	183	0.0	1.0	0.18	0.0	1.0	0.5	0.0	1.0	0.07	0.0	1.0	0.27
09	*C*	0.0	1.0	0.58	0.0	1.0	208	0.0	1.0	0.53	0.0	1.0	0.99	0.0	1.0	0.62	0.0	1.0	0.77
10	*On*	0.5	0.5	0.05	0.5	0.5	19	0.5	0.02	0.0	0.5	0.0	0.0	0.5	0.11	0.0	0.5	0.08	0.0
11	*Mn*	0.5	0.5	0.88	0.5	0.5	315	0.24	0.0	0.5	0.49	0.0	0.5	0.49	0.0	0.5	0.48	0.0	0.5
12	−	0.0	1.0	0.85	0.0	1.0	306	0.25	0.0	1.0	0.49	0.0	1.0	0.8	0.0	1.0	0.78	0.0	1.0
13	*Ln*	0.5	0.5	0.29	0.5	0.5	104	0.44	0.5	0.0	0.5	0.5	0.0	0.42	0.5	0.0	0.39	0.5	0.0
14	*Z*	0.5	0.0	−	0.5	0.0	−	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	*Vw*	0.0	0.5	0.83	0.0	0.5	297	0.51	0.5	1.0	0.5	0.5	1.0	0.8	0.5	1.0	0.8	0.5	1.0
16	−	0.0	1.0	0.34	0.0	1.0	124	0.59	1.0	0.0	0.51	1.0	0.0	0.62	1.0	0.0	0.52	1.0	0.0
17	*Lw*	0.0	0.5	0.41	0.0	0.5	146	0.64	1.0	0.5	0.5	1.0	0.5	0.69	1.0	0.5	0.62	1.0	0.5
18	*Mw*	0.0	0.5	0.58	0.0	0.5	208	0.5	1.0	0.76	0.5	1.0	1.0	0.5	1.0	0.81	0.5	1.0	0.88
19	*O*	0.0	1.0	0.05	0.0	1.0	19	1.0	0.04	0.0	1.0	0.0	0.0	1.0	0.22	0.0	1.0	0.17	0.0
20	−	0.0	1.0	0.95	0.0	1.0	343	1.0	0.0	0.77	1.0	0.0	0.5	1.0	0.0	0.38	1.0	0.0	0.43
21	*M*	0.0	1.0	0.88	0.0	1.0	315	0.47	0.0	1.0	0.99	0.0	1.0	0.99	0.0	1.0	0.97	0.0	1.0
22	−	0.0	1.0	0.17	0.0	1.0	61	1.0	0.57	0.0	1.0	0.49	0.0	1.0	0.68	0.0	1.0	0.68	0.0
23	*Ow*	0.0	0.5	0.05	0.0	0.5	19	1.0	0.52	0.5	1.0	0.5	0.5	1.0	0.61	0.5	1.0	0.58	0.5
24	*Mw*	0.0	0.5	0.88	0.0	0.5	315	0.74	0.5	1.0	0.99	0.5	1.0	0.99	0.5	1.0	0.98	0.5	1.0
25	*Y*	0.0	1.0	0.29	0.0	1.0	104	0.88	1.0	0.0	1.0	1.0	0.0	0.85	1.0	0.0	0.78	1.0	0.0
26	*Yw*	0.0	0.5	0.29	0.0	0.5	104	0.94	1.0	0.5	1.0	1.0	0.5	0.92	1.0	0.5	0.89	1.0	0.5
27	*W*	0.0	0.0	−	0.0	0.0	−	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

***H**$_{ei0}$ = *round* (360 *e**)**

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***nce**$_{30}$*** (SRS18) and output ***olv**$_{3m}$*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>SRS18			−>SRS18			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*nce**$_{30}$			*n**, *c**, *H**$_{ei0}$			*olv**$_{31}$			*olv**$_{32}$			*olv**$_{33}$			*olv**$_{34}$		
01	*N*	1.0	0.0	−	1.0	0.0	−	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	*Vn*	0.5	0.5	0.75	0.5	0.5	269	0.0	0.25	0.5	0.0	0.17	0.5	0.0	0.02	0.5	0.0	0.0	0.5
03	*V*	0.0	1.0	0.75	0.0	1.0	269	0.0	0.51	1.0	0.0	0.33	1.0	0.0	0.03	1.0	0.0	0.0	1.0
04	*Ln*	0.5	0.5	0.46	0.5	0.5	164	0.01	0.5	0.0	0.0	0.5	0.12	0.09	0.5	0.0	0.0	0.5	0.0
05	*Cn*	0.5	0.5	0.61	0.5	0.5	219	0.0	0.5	0.35	0.0	0.44	0.5	0.0	0.5	0.44	0.0	0.5	0.5
06	−	0.0	1.0	0.68	0.0	1.0	244	0.0	0.94	1.0	0.0	0.6	1.0	0.0	0.58	1.0	0.0	0.5	1.0
07	*L*	0.0	1.0	0.46	0.0	1.0	164	0.02	1.0	0.0	0.0	1.0	0.23	0.17	1.0	0.0	0.0	1.0	0.0
08	−	0.0	1.0	0.54	0.0	1.0	195	0.0	1.0	0.34	0.0	1.0	0.73	0.0	1.0	0.32	0.0	1.0	0.5
09	*C*	0.0	1.0	0.61	0.0	1.0	219	0.0	1.0	0.69	0.0	0.88	1.0	0.0	1.0	0.87	0.0	1.0	1.0
10	*On*	0.5	0.5	0.02	0.5	0.5	6	0.5	0.0	0.09	0.5	0.0	0.07	0.5	0.03	0.0	0.5	0.0	0.0
11	*Mn*	0.5	0.5	0.88	0.5	0.5	316	0.26	0.0	0.5	0.5	0.0	0.49	0.5	0.0	0.49	0.5	0.0	0.5
12	−	0.0	1.0	0.81	0.0	1.0	292	0.0	0.07	1.0	0.0	0.06	1.0	0.5	0.0	1.0	0.5	0.0	1.0
13	*Ln*	0.5	0.5	0.24	0.5	0.5	87	0.5	0.45	0.0	0.5	0.4	0.0	0.5	0.48	0.0	0.5	0.5	0.0
14	*Z*	0.5	0.0	−	0.5	0.0	−	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	*Vw*	0.0	0.5	0.75	0.0	0.5	269	0.5	0.75	1.0	0.5	0.67	1.0	0.5	0.52	1.0	0.5	0.5	1.0
16	−	0.0	1.0	0.35	0.0	1.0	126	0.57	1.0	0.0	0.48	1.0	0.0	0.6	1.0	0.0	0.5	1.0	0.0
17	*Lw*	0.0	0.5	0.46	0.0	0.5	164	0.51	1.0	0.5	0.5	1.0	0.62	0.59	1.0	0.5	0.5	1.0	0.5
18	*Mw*	0.0	0.5	0.61	0.0	0.5	219	0.5	1.0	0.85	0.5	0.94	1.0	0.5	1.0	0.94	0.5	1.0	1.0
19	*O*	0.0	1.0	0.02	0.0	1.0	6	1.0	0.0	0.17	1.0	0.0	0.14	1.0	0.07	0.0	1.0	0.0	0.0
20	−	0.0	1.0	0.94	0.0	1.0	340	1.0	0.0	0.86	1.0	0.0	0.56	1.0	0.0	0.45	1.0	0.0	0.5
21	*M*	0.0	1.0	0.88	0.0	1.0	316	0.51	0.0	1.0	1.0	0.0	0.98	1.0	0.0	0.98	1.0	0.0	1.0
22	−	0.0	1.0	0.13	0.0	1.0	46	1.0	0.38	0.0	1.0	0.32	0.0	1.0	0.52	0.0	1.0	0.5	0.0
23	*Ow*	0.0	0.5	0.02	0.0	0.5	6	1.0	0.5	0.59	1.0	0.5	0.57	1.0	0.53	0.5	1.0	0.5	0.5
24	*Mw*	0.0	0.5	0.88	0.0	0.5	316	0.76	0.5	1.0	1.0	0.5	0.99	1.0	0.5	0.99	1.0	0.5	1.0
25	*Y*	0.0	1.0	0.24	0.0	1.0	87	1.0	0.89	0.0	1.0	0.8	0.0	1.0	0.97	0.0	1.0	1.0	0.0
26	*Yw*	0.0	0.5	0.24	0.0	0.5	87	1.0	0.95	0.5	1.0	0.9	0.5	1.0	0.98	0.5	1.0	1.0	0.5
27	*W*	0.0	0.0	−	0.0	0.0	−	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

***H**$_{ei0}$ = *round* (360 *e**)**

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BAM-test chart ZE11; Transfer olv*3, LCH*a, nce*, 9/12
TLS00, SRS18−>ORS18, TLS00, NRS18, SRS18; 27 Colours

input: *rgb (->olv*3) setrgbcolor*
output: no change compared to input

Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***nce**30*** (TLS00) and output ***LCH**a,Mm*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>TLS00			−>TLS00			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*nce*30*			*n*, c*, H*ei0*			*LCH*a,M1*			*LCH*a,M2*			*LCH*a,M3*			*LCH*a,M4*		
01	*N*	1.0	0.0	−	1.0	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−
02	*Vn*	0.5	0.5	0.83	0.5	0.5	297	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
03	*V*	0.0	1.0	0.83	0.0	1.0	297	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
04	*Ln*	0.5	0.5	0.41	0.5	0.5	146	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
05	*Cn*	0.5	0.5	0.58	0.5	0.5	208	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
06	−	0.0	1.0	0.7	0.0	1.0	253	51.5	47.5	251	58.8	27.6	251	56.7	69.2	251	56.7	68.3	251
07	*L*	0.0	1.0	0.41	0.0	1.0	146	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
08	−	0.0	1.0	0.51	0.0	1.0	183	52.3	59.7	166	85.2	99.4	166	56.7	75.0	166	56.7	69.1	166
09	*C*	0.0	1.0	0.58	0.0	1.0	208	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
10	*On*	0.5	0.5	0.05	0.5	0.5	19	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
11	*Mn*	0.5	0.5	0.88	0.5	0.5	315	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
12	−	0.0	1.0	0.85	0.0	1.0	306	31.2	50.6	317	43.5	126	317	56.7	71.1	317	56.7	70.1	317
13	*Ln*	0.5	0.5	0.29	0.5	0.5	104	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
14	*Z*	0.5	0.0	−	0.5	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−
15	*Vw*	0.0	0.5	0.83	0.0	0.5	297	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
16	−	0.0	1.0	0.34	0.0	1.0	124	74.0	82.3	119	88.3	89.2	119	56.7	64.1	119	56.7	67.0	119
17	*Lw*	0.0	0.5	0.41	0.0	0.5	146	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
18	*Mw*	0.0	0.5	0.58	0.0	0.5	208	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
19	*O*	0.0	1.0	0.05	0.0	1.0	19	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
20	−	0.0	1.0	0.95	0.0	1.0	343	48.1	71.7	4	53.9	89.9	4	56.7	68.6	4	56.7	67.2	4
21	*M*	0.0	1.0	0.88	0.0	1.0	315	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
22	−	0.0	1.0	0.17	0.0	1.0	61	72.0	72.2	71	71.3	85.7	71	56.7	66.1	71	56.7	68.3	71
23	*Ow*	0.0	0.5	0.05	0.0	0.5	19	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
24	*Mw*	0.0	0.5	0.88	0.0	0.5	315	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
25	*Y*	0.0	1.0	0.29	0.0	1.0	104	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
26	*Yw*	0.0	0.5	0.29	0.0	0.5	104	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
27	*W*	0.0	0.0	−	0.0	0.0	−	48.1	71.7	−	53.9	89.9	−	56.7	68.6	−	56.7	67.2	−

H*ei0 = round (360 e*)

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***nce**30*** (SRS18) and output ***LCH**a,Mm*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>SRS18			−>SRS18			ORS18			TLS00			NRS18			SRS18		
no.	*Colour*	*nce*30*			*n*, c*, H*ei0*			*LCH*a,M1*			*LCH*a,M2*			*LCH*a,M3*			*LCH*a,M4*		
01	*N*	1.0	0.0	−	1.0	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−
02	*Vn*	0.5	0.5	0.75	0.5	0.5	269	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
03	*V*	0.0	1.0	0.75	0.0	1.0	269	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
04	*Ln*	0.5	0.5	0.46	0.5	0.5	164	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
05	*Cn*	0.5	0.5	0.61	0.5	0.5	219	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
06	−	0.0	1.0	0.68	0.0	1.0	244	56.7	51.9	240	64.5	28.2	240	56.7	68.9	240	56.7	67.0	240
07	*L*	0.0	1.0	0.46	0.0	1.0	164	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
08	−	0.0	1.0	0.54	0.0	1.0	195	53.5	54.5	180	86.0	102	180	56.7	69.7	180	56.7	67.0	180
09	*C*	0.0	1.0	0.61	0.0	1.0	219	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
10	*On*	0.5	0.5	0.02	0.5	0.5	6	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
11	*Mn*	0.5	0.5	0.88	0.5	0.5	316	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
12	−	0.0	1.0	0.81	0.0	1.0	292	28.1	51.4	300	33.6	41.8	300	56.7	68.0	300	56.7	67.0	300
13	*Ln*	0.5	0.5	0.24	0.5	0.5	87	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
14	*Z*	0.5	0.0	−	0.5	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−
15	*Vw*	0.0	0.5	0.75	0.0	0.5	269	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
16	−	0.0	1.0	0.35	0.0	1.0	126	73.3	82.2	120	88.0	89.2	120	56.7	63.9	120	56.7	67.0	120
17	*Lw*	0.0	0.5	0.46	0.0	0.5	164	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
18	*Mw*	0.0	0.5	0.61	0.0	0.5	219	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
19	*O*	0.0	1.0	0.02	0.0	1.0	6	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
20	−	0.0	1.0	0.94	0.0	1.0	340	48.1	72.9	0	54.3	90.1	0	56.7	68.2	0	56.7	67.0	0
21	*M*	0.0	1.0	0.88	0.0	1.0	316	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
22	−	0.0	1.0	0.13	0.0	1.0	46	64.1	72.6	60	63.9	87.4	60	56.7	64.6	60	56.7	67.0	60
23	*Ow*	0.0	0.5	0.02	0.0	0.5	6	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
24	*Mw*	0.0	0.5	0.88	0.0	0.5	316	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
25	*Y*	0.0	1.0	0.24	0.0	1.0	87	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
26	*Yw*	0.0	0.5	0.24	0.0	0.5	87	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
27	*W*	0.0	0.0	−	0.0	0.0	−	48.1	72.9	−	54.3	90.1	−	56.7	68.2	−	56.7	67.0	−

H*ei0 = round (360 e*)

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***nce**30*** (TLS00) and output ***LCH**am*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

no.	Colour	−>TLS00 *nce**30			−>TLS00 *n*, c*, H*ei0*			ORS18 *LCH*a1*			TLS00 *LCH*a2*			NRS18 *LCH*a3*			SRS18 *LCH*a4*		
01	*N*	1.0	0.0	−	1.0	0.0	−	18.0	0.0	−	0.0	0.0	−	18.0	0.0	−	18.0	0.0	−
02	*Vn*	0.5	0.5	0.83	0.5	0.5	297	22.1	26.9	306	15.3	23.9	306	37.4	34.2	306	37.4	33.7	306
03	*V*	0.0	1.0	0.83	0.0	1.0	297	26.2	53.8	306	30.5	47.8	306	56.7	68.4	306	56.7	67.4	306
04	*Ln*	0.5	0.5	0.41	0.5	0.5	146	39.9	42.0	136	41.8	46.5	136	37.4	32.1	136	37.4	34.9	136
05	*Cn*	0.5	0.5	0.58	0.5	0.5	208	36.5	26.5	196	43.4	57.3	196	37.4	34.6	196	37.4	34.9	196
06	−	0.0	1.0	0.7	0.0	1.0	253	51.5	47.5	251	58.8	27.6	251	56.7	69.2	251	56.7	68.3	251
07	*L*	0.0	1.0	0.41	0.0	1.0	146	61.7	84.0	136	83.6	93.1	136	56.7	64.2	136	56.7	69.7	136
08	−	0.0	1.0	0.51	0.0	1.0	183	52.3	59.7	166	85.2	99.4	166	56.7	75.0	166	56.7	69.1	166
09	*C*	0.0	1.0	0.58	0.0	1.0	208	55.0	53.0	196	86.9	115	196	56.7	69.1	196	56.7	69.7	196
10	*On*	0.5	0.5	0.05	0.5	0.5	19	33.8	40.4	40	25.3	55.5	40	37.4	34.1	40	37.4	35.7	40
11	*Mn*	0.5	0.5	0.88	0.5	0.5	315	27.2	24.7	328	28.5	64.2	328	37.4	38.5	328	37.4	38.0	328
12	−	0.0	1.0	0.85	0.0	1.0	306	31.2	50.6	317	43.5	126	317	56.7	71.1	317	56.7	70.1	317
13	*Ln*	0.5	0.5	0.29	0.5	0.5	104	51.8	43.9	103	46.3	46.5	103	37.4	34.8	103	37.4	35.0	103
14	*Z*	0.5	0.0	−	0.5	0.0	−	56.7	0.0	−	47.7	0.0	−	56.7	0.0	−	56.7	0.0	−
15	*Vw*	0.0	0.5	0.83	0.0	0.5	297	60.8	26.9	306	63.0	23.9	306	76.1	34.2	306	76.1	33.7	306
16	−	0.0	1.0	0.34	0.0	1.0	124	74.0	82.3	119	88.3	89.2	119	56.7	64.1	119	56.7	67.0	119
17	*Lw*	0.0	0.5	0.41	0.0	0.5	146	78.6	42.0	136	89.5	46.5	136	76.1	32.1	136	76.1	34.9	136
18	*Mw*	0.0	0.5	0.58	0.0	0.5	208	75.2	26.5	196	91.1	57.3	196	76.1	34.6	196	76.1	34.9	196
19	*O*	0.0	1.0	0.05	0.0	1.0	19	49.6	80.9	40	50.5	111	40	56.7	68.3	40	56.7	71.3	40
20	−	0.0	1.0	0.95	0.0	1.0	343	48.1	71.7	4	53.9	89.9	4	56.7	68.6	4	56.7	67.2	4
21	*M*	0.0	1.0	0.88	0.0	1.0	315	36.3	49.4	328	57.0	128	328	56.7	76.9	328	56.7	75.9	328
22	−	0.0	1.0	0.17	0.0	1.0	61	72.0	72.2	71	71.3	85.7	71	56.7	66.1	71	56.7	68.3	71
23	*Ow*	0.0	0.5	0.05	0.0	0.5	19	72.5	40.4	40	73.0	55.5	40	76.1	34.1	40	76.1	35.7	40
24	*Mw*	0.0	0.5	0.88	0.0	0.5	315	65.9	24.7	328	76.2	64.2	328	76.1	38.5	328	76.1	38.0	328
25	*Y*	0.0	1.0	0.29	0.0	1.0	104	85.6	87.7	103	92.6	93.0	103	56.7	69.6	103	56.7	70.1	103
26	*Yw*	0.0	0.5	0.29	0.0	0.5	104	90.5	43.9	103	94.0	46.5	103	76.1	34.8	103	76.1	35.0	103
27	*W*	0.0	0.0	−	0.0	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−

H*ei0* = *round* (360 *e**)

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***nce**30*** (SRS18) and output ***LCH**am*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

no.	Colour	−>SRS18 *nce**30			−>SRS18 *n*, c*, H*ei0*			ORS18 *LCH*a1*			TLS00 *LCH*a2*			NRS18 *LCH*a3*			SRS18 *LCH*a4*		
01	*N*	1.0	0.0	−	1.0	0.0	−	18.0	0.0	−	0.0	0.0	−	18.0	0.0	−	18.0	0.0	−
02	*Vn*	0.5	0.5	0.75	0.5	0.5	269	30.2	22.4	270	24.5	14.6	270	37.4	38.1	270	37.4	38.7	270
03	*V*	0.0	1.0	0.75	0.0	1.0	269	42.4	44.8	270	49.0	29.2	270	56.7	76.2	270	56.7	77.4	270
04	*Ln*	0.5	0.5	0.46	0.5	0.5	164	34.8	45.8	150	42.2	51.8	150	37.4	34.4	150	37.4	38.7	150
05	*Cn*	0.5	0.5	0.61	0.5	0.5	219	37.1	27.6	210	39.9	18.4	210	37.4	36.7	210	37.4	38.7	210
06	−	0.0	1.0	0.68	0.0	1.0	244	56.7	51.9	240	64.5	28.2	240	56.7	68.9	240	56.7	67.0	240
07	*L*	0.0	1.0	0.46	0.0	1.0	164	51.6	91.6	150	84.4	104	150	56.7	68.8	150	56.7	77.4	150
08	−	0.0	1.0	0.54	0.0	1.0	195	53.5	54.5	180	86.0	102	180	56.7	69.7	180	56.7	67.0	180
09	*C*	0.0	1.0	0.61	0.0	1.0	219	56.3	55.3	210	79.9	36.8	210	56.7	73.3	210	56.7	77.4	210
10	*On*	0.5	0.5	0.02	0.5	0.5	6	33.0	36.2	30	25.7	50.0	30	37.4	36.9	30	37.4	38.7	30
11	*Mn*	0.5	0.5	0.88	0.5	0.5	316	27.6	24.7	330	28.6	54.3	330	37.4	38.2	330	37.4	38.7	330
12	−	0.0	1.0	0.81	0.0	1.0	292	28.1	51.4	300	33.6	41.8	300	56.7	68.0	300	56.7	67.0	300
13	*Ln*	0.5	0.5	0.24	0.5	0.5	87	51.9	39.1	90	42.0	45.2	90	37.4	37.7	90	37.4	38.7	90
14	*Z*	0.5	0.0	−	0.5	0.0	−	56.7	0.0	−	47.7	0.0	−	56.7	0.0	−	56.7	0.0	−
15	*Vw*	0.0	0.5	0.75	0.0	0.5	269	68.9	22.4	270	72.2	14.6	270	76.1	38.1	270	76.1	38.7	270
16	−	0.0	1.0	0.35	0.0	1.0	126	73.3	82.2	120	88.0	89.2	120	56.7	63.9	120	56.7	67.0	120
17	*Lw*	0.0	0.5	0.46	0.0	0.5	164	73.5	45.8	150	89.9	51.8	150	76.1	34.4	150	76.1	38.7	150
18	*Mw*	0.0	0.5	0.61	0.0	0.5	219	75.8	27.6	210	87.6	18.4	210	76.1	36.7	210	76.1	38.7	210
19	*O*	0.0	1.0	0.02	0.0	1.0	6	48.0	72.5	30	51.4	99.9	30	56.7	73.8	30	56.7	77.4	30
20	−	0.0	1.0	0.94	0.0	1.0	340	48.1	72.9	0	54.3	90.1	0	56.7	68.2	0	56.7	67.0	0
21	*M*	0.0	1.0	0.88	0.0	1.0	316	37.2	49.4	330	57.1	109	330	56.7	76.4	330	56.7	77.4	330
22	−	0.0	1.0	0.13	0.0	1.0	46	64.1	72.6	60	63.9	87.4	60	56.7	64.6	60	56.7	67.0	60
23	*Ow*	0.0	0.5	0.02	0.0	0.5	6	71.7	36.2	30	73.4	50.0	30	76.1	36.9	30	76.1	38.7	30
24	*Mw*	0.0	0.5	0.88	0.0	0.5	316	66.3	24.7	330	76.3	54.3	330	76.1	38.2	330	76.1	38.7	330
25	*Y*	0.0	1.0	0.24	0.0	1.0	87	85.8	78.2	90	84.0	90.4	90	56.7	75.5	90	56.7	77.4	90
26	*Yw*	0.0	0.5	0.24	0.0	0.5	87	90.6	39.1	90	89.7	45.2	90	76.1	37.7	90	76.1	38.7	90
27	*W*	0.0	0.0	−	0.0	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−	95.4	0.0	−

H*ei0* = *round* (360 *e**)

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Colorimetric data for system lines TLS00 −> ORS18, TLS00, NRS18, SRS18

For input ***nce*30*** (TLS00) and output ***H*aim H*eim*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>TLS00			−>TLS00		ORS18			TLS00		NRS18		SRS18	
no.	*Colour*	*nce*30*			*n*, c*, H*ei0*		*H*ai1*	*H*ei1*		*H*ai2*	*H*ei2*	*H*ai3*	*H*ei3*	*H*ai4*	*H*ei4*
01	*N*	1.0	0.0	−	1.0	0.0	−	−	−	−	−	−	−	−	−
02	*Vn*	0.5	0.5	0.83	0.5	0.5	297	306	298	306	297	306	297	306	297
03	*V*	0.0	1.0	0.83	0.0	1.0	297	306	298	306	297	306	297	306	297
04	*Ln*	0.5	0.5	0.41	0.5	0.5	146	136	145	136	146	136	146	136	146
05	*Cn*	0.5	0.5	0.58	0.5	0.5	208	196	207	196	208	196	208	196	208
06	−	0.0	1.0	0.7	0.0	1.0	253	251	253	251	253	251	253	251	253
07	*L*	0.0	1.0	0.41	0.0	1.0	146	136	145	136	146	136	146	136	146
08	−	0.0	1.0	0.51	0.0	1.0	183	166	181	166	183	166	183	166	183
09	*C*	0.0	1.0	0.58	0.0	1.0	208	196	207	196	208	196	208	196	208
10	*On*	0.5	0.5	0.05	0.5	0.5	19	40	20	40	19	40	19	40	19
11	*Mn*	0.5	0.5	0.88	0.5	0.5	315	328	315	328	315	328	315	328	315
12	−	0.0	1.0	0.85	0.0	1.0	306	317	306	317	306	317	306	317	306
13	*Ln*	0.5	0.5	0.29	0.5	0.5	104	103	104	103	104	103	104	103	104
14	*Z*	0.5	0.0	−	0.5	0.0	−	−	−	−	−	−	−	−	−
15	*Vw*	0.0	0.5	0.83	0.0	0.5	297	306	298	306	297	306	297	306	297
16	−	0.0	1.0	0.34	0.0	1.0	124	119	124	119	124	119	124	119	124
17	*Lw*	0.0	0.5	0.41	0.0	0.5	146	136	145	136	146	136	146	136	146
18	*Mw*	0.0	0.5	0.58	0.0	0.5	208	196	207	196	208	196	208	196	208
19	*O*	0.0	1.0	0.05	0.0	1.0	19	40	20	40	19	40	19	40	19
20	−	0.0	1.0	0.95	0.0	1.0	343	4	343	4	343	4	343	4	343
21	*M*	0.0	1.0	0.88	0.0	1.0	315	328	315	328	315	328	315	328	315
22	−	0.0	1.0	0.17	0.0	1.0	61	71	62	71	61	71	61	71	61
23	*Ow*	0.0	0.5	0.05	0.0	0.5	19	40	20	40	19	40	19	40	19
24	*Mw*	0.0	0.5	0.88	0.0	0.5	315	328	315	328	315	328	315	328	315
25	*Y*	0.0	1.0	0.29	0.0	1.0	104	103	104	103	104	103	104	103	104
26	*Yw*	0.0	0.5	0.29	0.0	0.5	104	103	104	103	104	103	104	103	104
27	*W*	0.0	0.0	−	0.0	0.0	−	−	−	−	−	−	−	−	−

H*ei0 = round (360 e*)

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Colorimetric data for system lines SRS18 −> ORS18, TLS00, NRS18, SRS18

For input ***nce*30*** (SRS18) and output ***H*aim H*eim*** for 4 systems (***m***=0 to 4)
Six CIELAB hue angles of device ORS18: (37.7 96.4 150.9 236.0 305.0 353.7);
Six CIELAB hue angles of device TLS00: (40.0 102.8 136.0 196.4 306.3 328.2);
Six CIELAB hue angles of device NRS18: (25.5 92.3 162.2 217.0 271.7 328.6);
Six CIELAB hue angles of device SRS18: (30.0 90.0 150.0 210.0 270.0 330.0);

		−>SRS18			−>SRS18		ORS18			TLS00		NRS18		SRS18	
no.	*Colour*	*nce*30*			*n*, c*, H*ei0*		*H*ai1*	*H*ei1*		*H*ai2*	*H*ei2*	*H*ai3*	*H*ei3*	*H*ai4*	*H*ei4*
01	*N*	1.0	0.0	−	1.0	0.0	−	−	−	−	−	−	−	−	−
02	*Vn*	0.5	0.5	0.75	0.5	0.5	269	270	269	270	269	270	269	270	269
03	*V*	0.0	1.0	0.75	0.0	1.0	269	270	269	270	269	270	269	270	269
04	*Ln*	0.5	0.5	0.46	0.5	0.5	164	150	162	150	164	150	164	150	164
05	*Cn*	0.5	0.5	0.61	0.5	0.5	219	210	218	210	219	210	219	210	219
06	−	0.0	1.0	0.68	0.0	1.0	244	240	244	240	244	240	244	240	244
07	*L*	0.0	1.0	0.46	0.0	1.0	164	150	162	150	164	150	164	150	164
08	−	0.0	1.0	0.54	0.0	1.0	195	180	193	180	195	180	195	180	195
09	*C*	0.0	1.0	0.61	0.0	1.0	219	210	218	210	219	210	219	210	219
10	*On*	0.5	0.5	0.02	0.5	0.5	6	30	7	30	6	30	6	30	6
11	*Mn*	0.5	0.5	0.88	0.5	0.5	316	330	317	330	316	330	316	330	316
12	−	0.0	1.0	0.81	0.0	1.0	292	300	293	300	292	300	292	300	292
13	*Ln*	0.5	0.5	0.24	0.5	0.5	87	90	87	90	87	90	87	90	87
14	*Z*	0.5	0.0	−	0.5	0.0	−	−	−	−	−	−	−	−	−
15	*Vw*	0.0	0.5	0.75	0.0	0.5	269	270	269	270	269	270	269	270	269
16	−	0.0	1.0	0.35	0.0	1.0	126	120	125	120	126	120	126	120	126
17	*Lw*	0.0	0.5	0.46	0.0	0.5	164	150	162	150	164	150	164	150	164
18	*Mw*	0.0	0.5	0.61	0.0	0.5	219	210	218	210	219	210	219	210	219
19	*O*	0.0	1.0	0.02	0.0	1.0	6	30	7	30	6	30	6	30	6
20	−	0.0	1.0	0.94	0.0	1.0	340	0	340	0	340	0	340	0	340
21	*M*	0.0	1.0	0.88	0.0	1.0	316	330	317	330	316	330	316	330	316
22	−	0.0	1.0	0.13	0.0	1.0	46	60	47	60	46	60	46	60	46
23	*Ow*	0.0	0.5	0.02	0.0	0.5	6	30	7	30	6	30	6	30	6
24	*Mw*	0.0	0.5	0.88	0.0	0.5	316	330	317	330	316	330	316	330	316
25	*Y*	0.0	1.0	0.24	0.0	1.0	87	90	87	90	87	90	87	90	87
26	*Yw*	0.0	0.5	0.24	0.0	0.5	87	90	87	90	87	90	87	90	87
27	*W*	0.0	0.0	−	0.0	0.0	−	−	−	−	−	−	−	−	−

H*ei0 = round (360 e*)

ZE111−7