

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);

no.	Colour	->TLS00 olv^*_{30}			->TLS00 n^*, c^*, H^*_{si0}			ORS18 LCH^*_{a1}			TLS00 LCH^*_{a2}			NRS18 LCH^*_{a3}			SRS18 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	-

$$a^*_{r0} = o^*_{30} \cos(30) + l^*_{30} \cos(150)$$

$$H^*_{s0} = \text{atan} (b^*_{r0} / a^*_{r0})$$

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

$$H^*_{si0} = \text{round} (H^*_{s0})$$

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BAM-test chart ZE11; Transfer olv^*_{30} , LCH^*_{a1} , nce^* , 3/12
TLS00, SRS18->ORS18, TLS00, NRS18, SRS18; 27 Colours

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);

no.	Colour	->SRS18 olv^*_{30}			->SRS18 n^*, c^*, H^*_{si0}			ORS18 LCH^*_{a1}			TLS00 LCH^*_{a2}			NRS18 LCH^*_{a3}			SRS18 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	-

$$a^*_{r0} = o^*_{30} \cos(30) + l^*_{30} \cos(150)$$

$$H^*_{s0} = \text{atan} (b^*_{r0} / a^*_{r0})$$

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

$$H^*_{si0} = \text{round} (H^*_{s0})$$

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input: rgb (-> olv^*_{30}) $setrgbcolor$
output: no change compared to input