

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);

no.	Colour	->TLS00			->TLS00			ORS18		TLS00		NRS18		SRS18	
		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	-	-	-	-	-	-	-	-	-

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

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

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

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

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BAM-test chart ZE11; Transfer olv^*_{30} , LCH*a, nce*, 4/12
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 $H^*_{aim} H^*_{eim}$ 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	
03	V	0.0	0.0	1.0	0.0	1.0	270	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	
05	Cn	0.0	0.5	0.5	0.5	0.5	210	210	218	210	219	210	219	
06	-	0.0	0.5	1.0	0.0	1.0	240	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	
08	-	0.0	1.0	0.5	0.0	1.0	180	180	193	180	195	180	195	
09	C	0.0	1.0	1.0	0.0	1.0	210	210	218	210	219	210	219	
10	On	0.5	0.0	0.0	0.5	0.5	30	30	7	30	6	30	6	
11	Mn	0.5	0.0	0.5	0.5	0.5	330	330	317	330	316	330	316	
12	-	0.5	0.0	1.0	0.0	1.0	300	300	293	300	292	300	292	
13	Ln	0.5	0.5	0.0	0.5	0.5	90	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	
16	-	0.5	1.0	0.0	0.0	1.0	120	120	125	120	126	120	126	
17	Lw	0.5	1.0	0.5	0.0	0.5	150	150	162	150	164	150	164	
18	Mw	0.5	1.0	1.0	0.0	0.5	210	210	218	210	219	210	219	
19	O	1.0	0.0	0.0	0.0	1.0	30	30	7	30	6	30	6	
20	-	1.0	0.0	0.5	0.0	1.0	0	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	
22	-	1.0	0.5	0.0	0.0	1.0	60	60	47	60	46	60	46	
23	Ow	1.0	0.5	0.5	0.0	0.5	30	30	7	30	6	30	6	
24	Mw	1.0	0.5	1.0	0.0	0.5	330	330	317	330	316	330	316	
25	Y	1.0	1.0	0.0	0.0	1.0	90	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	
27	W	1.0	1.0	1.0	0.0	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