

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

For input olv^*_{30} (NRS18) 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);

		->NRS18		->NRS18		ORS18		TLS00		NRS18		SRS18					
no.	Colour	olv^*_{30}	rgb^*_{30}	n^*	c^*	H^*_{si0}	olv^*_{31}	olv^*_{32}	olv^*_{33}	olv^*_{33}	olv^*_{33}	olv^*_{34}	olv^*_{34}	olv^*_{34}	olv^*_{34}	olv^*_{34}	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
02	Bn	0.0	0.0	0.5	0.5	0.5	270	0.0	0.24	0.5	0.0	0.16	0.5	0.0	0.5	0.02	0.0
03	B	0.0	0.0	1.0	0.0	1.0	270	0.0	0.48	1.0	0.0	0.31	1.0	0.0	1.0	0.03	0.0
04	Gn	0.0	0.5	0.0	0.5	0.5	150	0.0	0.5	0.07	0.0	0.5	0.22	0.0	0.5	0.0	0.5
05	C'n	0.0	0.5	0.5	0.5	0.5	210	0.0	0.5	0.39	0.0	0.41	0.5	0.0	0.5	0.0	0.44
06	-	0.0	0.5	1.0	0.0	1.0	240	0.0	0.88	1.0	0.0	0.57	1.0	0.0	0.51	1.0	0.0
07	G	0.0	1.0	0.0	0.0	1.0	150	0.0	1.0	0.13	0.0	1.0	0.43	0.0	1.0	0.0	1.0
08	-	0.0	1.0	0.5	0.0	1.0	180	0.0	1.0	0.46	0.0	1.0	0.89	0.0	1.0	0.51	0.0
09	C'	0.0	1.0	1.0	0.0	1.0	210	0.0	1.0	0.78	0.0	0.81	1.0	0.0	1.0	1.0	0.0
10	Rn	0.5	0.0	0.0	0.5	0.5	30	0.5	0.0	0.14	0.5	0.0	0.1	0.5	0.0	0.5	0.0
11	M'n	0.5	0.0	0.5	0.5	0.5	330	0.25	0.0	0.5	0.5	0.0	0.49	0.5	0.0	0.5	0.0
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
13	Gn	0.5	0.5	0.0	0.5	0.5	90	0.5	0.46	0.0	0.5	0.41	0.0	0.5	0.5	0.0	0.48
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
15	Bw	0.5	0.5	1.0	0.0	0.5	270	0.5	0.74	1.0	0.5	0.66	1.0	0.5	0.5	1.0	0.52
16	-	0.5	1.0	0.0	0.0	1.0	120	0.44	1.0	0.0	0.27	1.0	0.0	0.5	1.0	0.0	0.38
17	Gw	0.5	1.0	0.5	0.0	0.5	150	0.5	1.0	0.57	0.5	1.0	0.72	0.5	1.0	0.5	0.5
18	M'w	0.5	1.0	1.0	0.0	0.5	210	0.5	1.0	0.89	0.5	0.91	1.0	0.5	1.0	0.5	0.94
19	R	1.0	0.0	0.0	0.0	1.0	30	1.0	0.0	0.29	1.0	0.0	0.21	1.0	0.0	0.01	1.0
20	-	1.0	0.0	0.5	0.0	1.0	0	1.0	0.0	0.92	1.0	0.0	0.6	1.0	0.0	0.5	1.0
21	M'	1.0	0.0	1.0	0.0	1.0	330	0.49	0.0	1.0	1.0	0.0	0.99	1.0	0.0	0.99	0.98
22	-	1.0	0.5	0.0	0.0	1.0	60	1.0	0.36	0.0	1.0	0.3	0.0	1.0	0.5	0.0	1.0
23	Rw	1.0	0.5	0.5	0.0	0.5	30	1.0	0.5	0.64	1.0	0.5	0.6	1.0	0.5	0.5	1.0
24	M'w	1.0	0.5	1.0	0.0	0.5	330	0.75	0.5	1.0	1.0	0.5	0.99	1.0	0.5	1.0	0.99
25	J	1.0	1.0	0.0	0.0	1.0	90	1.0	0.93	0.0	1.0	0.83	0.0	1.0	1.0	0.0	0.97
26	Jw	1.0	1.0	0.5	0.0	0.5	90	1.0	0.96	0.5	1.0	0.91	0.5	1.0	1.0	0.5	0.98
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

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

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

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

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

ZE100-7

BAM-test chart ZE10; Transfer olv^*_{3} , LCH*a, nce*, 1/12
NRS18, ORS18->ORS18, TLS00, NRS18, SRS18; 27 Colours

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

For input olv^*_{30} (ORS18) 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);

		->ORS18		->ORS18		ORS18		TLS00		NRS18		SRS18					
no.	Colour	olv^*_{30}	n^*	c^*	H^*_{si0}	olv^*_{31}	olv^*_{31}	olv^*_{32}	olv^*_{32}	olv^*_{33}	olv^*_{33}	olv^*_{34}	olv^*_{34}	olv^*_{34}	olv^*_{34}	olv^*_{34}	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
02	Vn	0.0	0.0	0.5	0.5	0.5	270	0.0	0.5	0.0	0.5	0.01	0.5	0.29	0.0	0.5	0.29
03	V	0.0	0.0	1.0	0.0	1.0	270	0.0	1.0	0.0	1.0	0.01	1.0	0.58	0.0	1.0	0.58
04	Ln	0.0	0.5	0.0	0.5	0.5	150	0.0	0.5	0.0	0.5	0.12	0.08	0.5	0.0	0.0	0.5
05	Cn	0.0	0.5	0.5	0.5	0.5	210	0.0	0.5	0.5	0.0	0.32	0.5	0.0	0.33	0.5	0.0
06	-	0.0	0.5	1.0	0.0	1.0	240	0.0	0.49	1.0	0.0	0.32	1.0	0.0	0.01	1.0	0.02
07	L	0.0	1.0	0.0	0.0	1.0	150	0.0	1.0	0.0	0.0	1.0	0.25	0.16	1.0	0.0	1.0
08	-	0.0	1.0	0.5	0.0	1.0	180	0.0	1.0	0.49	0.0	1.0	0.94	0.0	1.0	0.56	0.0
09	C	0.0	1.0	1.0	0.0	1.0	210	0.0	1.0	1.0	0.0	0.64	1.0	0.0	0.65	1.0	0.0
10	On	0.5	0.0	0.0	0.5	0.5	30	0.5	0.0	0.0	0.5	0.0	0.01	0.5	0.09	0.0	0.5
11	Mn	0.5	0.0	0.5	0.5	0.5	330	0.5	0.0	0.5	0.5	0.0	0.32	0.5	0.0	0.28	0.5
12	-	0.5	0.0	1.0	0.0	1.0	300	0.49	0.0	1.0	1.0	0.0	0.99	1.0	0.0	0.99	0.98
13	Ln	0.5	0.5	0.0	0.5	0.5	90	0.5	0.5	0.0	0.5	0.45	0.0	0.47	0.5	0.0	0.45
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
15	Vw	0.5	0.5	1.0	0.0	0.5	270	0.5	0.5	1.0	0.5	0.51	1.0	0.79	0.5	1.0	0.79
16	-	0.5	1.0	0.0	0.0	1.0	120	0.49	1.0	0.0	0.36	1.0	0.0	0.55	1.0	0.0	0.43
17	Lw	0.5	1.0	0.5	0.0	0.5	150	0.5	1.0	0.5	0.5	1.0	0.62	0.58	1.0	0.5	0.5
18	Mw	0.5	1.0	1.0	0.0	0.5	210	0.5	1.0	0.5	1.0	0.82	1.0	0.5	0.83	1.0	0.5
19	O	1.0	0.0	0.0	0.0	1.0	30	1.0	0.01	0.0	1.0	0.0	0.03	1.0	0.19	0.0	1.0
20	-	1.0	0.0	0.5	0.0	1.0	0	1.0	0.0	0.49	1.0	0.0	0.33	1.0	0.0	0.17	1.0
21	M	1.0	0.0	1.0	0.0	1.0	330	1.0	0.0	0.99	1.0	0.0	0.64	1.0	0.0	0.55	1.0
22	-	1.0	0.5	0.0	0.0	1.0	60	1.0	0.5	0.0	1.0	0.43	0.0	1.0	0.62	0.0	1.0
23	Ow	1.0	0.5	0.5	0.0	0.5	30	1.0	0.5	0.5	1.0	0.5	0.51	1.0	0.59	0.5	1.0
24	Mw	1.0	0.5	1.0	0.0	0.5	330	1.0	0.5	1.0	1.0	0.5	0.82	1.0	0.5	0.78	1.0
25	Y	1.0	1.0	0.0	0.0	1.0	90	1.0	0.99	0.0	1.0	0.89	0.0	0.95	1.0	0.0	0.9
26	Yw	1.0	1.0	0.5	0.0	0.5	90	1.0	1.0	0.5	1.0	0.95	0.5	0.97	1.0	0.5	0.95
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

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

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

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

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

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