

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);

no.	Colour	->TLS00 olv^*_{30}	->TLS00 n^*, c^*, H^*_{si0}	ORS18 olv^*_{31}	TLS00 olv^*_{32}	NRS18 olv^*_{33}	SRS18 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	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	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	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 0.0 0.5	0.19 0.5 0.0	0.12 0.5 0.0	0.0 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	0.0 0.5
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	0.0 1.0
07	L	0.0 1.0 0.0 0.0 1.0 150	0.27 1.0 0.0	0.0 0.0 1.0	0.0 0.38 1.0	0.0 0.23 1.0	0.0 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	0.0 0.5
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	0.0 1.0
10	On	0.5 0.0 0.0 0.5 0.5 30	0.5 0.02 0.0	0.5 0.0 0.5	0.11 0.0 0.5	0.08 0.0 0.0	0.0 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	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	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	0.0 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	0.0 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	0.0 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	0.0 0.0
17	Lw	0.5 1.0 0.5 0.0 0.5 150	0.64 1.0 0.5	0.5 0.5 1.0	0.69 1.0 0.5	0.62 1.0 0.5	0.0 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 0.5	1.0 0.81 0.5	1.0 0.88	0.0 0.0
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	0.0 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	0.0 0.5
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	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	0.0 0.5
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	0.0 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	0.0 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	0.0 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	0.0 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	0.0 1.0

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

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

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

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

ZE110-7

BAM-test chart ZE11; Transfer olv^*_{3} , LCH*a, nce*, 1/12
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 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);

no.	Colour	->SRS18 olv^*_{30}	->SRS18 n^*, c^*, H^*_{si0}	ORS18 olv^*_{31}	TLS00 olv^*_{32}	NRS18 olv^*_{33}	SRS18 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	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	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	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 0.0 0.5	0.0 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	0.0 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	0.0 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 0.0 1.0	0.0 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	0.0 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	0.0 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	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	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	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	0.0 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	0.0 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	0.0 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	0.0 0.0
17	Lw	0.5 1.0 0.5 0.0 0.5 150	0.51 1.0 0.5	0.5 0.5 1.0	0.62 0.59 1.0	0.5 0.5 1.0	0.0 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	0.0 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	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	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	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	0.0 0.5
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	0.0 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	0.0 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	0.0 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	0.0 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	0.0 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