

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 0.3 0.0
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 0.6 0.0
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 0.12 0.5
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 0.32
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 0.23 1.0
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 1.0
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	0.5 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 0.48 0.0
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 0.78 0.0
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 0.39 0.5
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 0.5 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 0.8 0.5
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 0.52 1.0
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 0.62 1.0
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	0.5 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 1.0 0.17
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 1.0 0.0
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 0.97 0.0
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 1.0 0.68
23	Ow	1.0 0.5 0.5 0.0 0.5	30 1.0 0.52	0.5 1.0 0.5	1.0 0.61 0.5	1.0 0.58 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 0.98 0.5
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 0.78 1.0
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 0.89 1.0
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 1.0 1.0

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

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

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

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

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 0.5 0.12	0.09 0.5 0.0	0.0 0.0 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	0.35 0.0 0.44	0.5 0.0 0.5	0.44 0.0 0.5	0.5 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 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 1.0	0.0 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 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 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 0.5 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 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 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 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 1.0	0.62 0.59 1.0	0.5 0.5 1.0	0.5 0.5 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 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 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 0.5 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 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 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 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 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 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