

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

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

		->NRS18			->NRS18			ORS18			TLS00			NRS18			SRS18		
no.	Colour	olv^*_{30}	n^*	c^*	H^*_{si0}	LCH^*_{a1}		LCH^*_{a2}		LCH^*_{a3}		LCH^*_{a4}		LCH^*_{a5}		LCH^*_{a6}		LCH^*_{a7}	
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	Bn	0.0	0.0	0.5	0.5	0.5	270	29.7	22.4	272	24.0	14.8	272	37.4	38.6	272	37.4	38.0	272
03	B	0.0	0.0	1.0	0.0	1.0	270	41.5	44.8	272	48.0	29.5	272	56.7	77.2	272	56.7	75.9	272
04	Gn	0.0	0.5	0.0	0.5	0.5	150	35.0	31.1	162	42.5	49.9	162	37.4	38.6	162	37.4	35.2	162
05	C'n	0.0	0.5	0.5	0.5	0.5	210	37.5	28.9	217	38.1	16.7	217	37.4	38.7	217	37.4	36.4	217
06	-	0.0	0.5	1.0	0.0	1.0	240	54.8	50.0	244	62.4	27.9	244	56.7	68.7	244	56.7	67.2	244
07	G	0.0	1.0	0.0	0.0	1.0	150	51.9	62.1	162	85.0	99.7	162	56.7	77.2	162	56.7	70.5	162
08	-	0.0	1.0	0.5	0.0	1.0	180	54.4	53.1	190	86.5	109	190	56.7	68.7	190	56.7	68.1	190
09	C'	0.0	1.0	1.0	0.0	1.0	210	56.9	57.8	217	76.3	33.5	217	56.7	77.4	217	56.7	72.8	217
10	Rn	0.5	0.0	0.0	0.5	0.5	30	33.0	35.6	25	26.0	48.1	25	37.4	38.5	25	37.4	37.0	25
11	M'n	0.5	0.0	0.5	0.5	0.5	330	27.4	24.7	329	28.6	55.0	329	37.4	38.6	329	37.4	38.3	329
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	Gn	0.5	0.5	0.0	0.5	0.5	90	52.6	39.7	92	42.7	45.8	92	37.4	38.6	92	37.4	38.0	92
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	Bw	0.5	0.5	1.0	0.0	0.5	270	68.4	22.4	272	71.7	14.8	272	76.1	38.6	272	76.1	38.0	272
16	-	0.5	1.0	0.0	0.0	1.0	120	68.2	82.2	127	86.1	90.0	127	56.7	63.4	127	56.7	67.5	127
17	Gw	0.5	1.0	0.5	0.0	0.5	150	73.7	31.1	162	90.2	49.9	162	76.1	38.6	162	76.1	35.2	162
18	M'w	0.5	1.0	1.0	0.0	0.5	210	76.2	28.9	217	85.8	16.7	217	76.1	38.7	217	76.1	36.4	217
19	R	1.0	0.0	0.0	0.0	1.0	30	48.0	71.2	25	51.9	96.2	25	56.7	77.1	25	56.7	74.0	25
20	-	1.0	0.0	0.5	0.0	1.0	0	48.1	74.1	357	54.6	90.6	357	56.7	68.1	357	56.7	67.1	357
21	M'	1.0	0.0	1.0	0.0	1.0	330	36.8	49.4	329	57.2	110	329	56.7	77.1	329	56.7	76.6	329
22	-	1.0	0.5	0.0	0.0	1.0	60	63.3	72.7	59	63.2	87.7	59	56.7	64.6	59	56.7	67.0	59
23	Rw	1.0	0.5	0.5	0.0	0.5	30	71.7	35.6	25	73.7	48.1	25	76.1	38.5	25	76.1	37.0	25
24	M'w	1.0	0.5	1.0	0.0	0.5	330	66.1	24.7	329	76.3	55.0	329	76.1	38.6	329	76.1	38.3	329
25	J	1.0	1.0	0.0	0.0	1.0	90	87.2	79.4	92	85.4	91.5	92	56.7	77.1	92	56.7	75.9	92
26	Jw	1.0	1.0	0.5	0.0	0.5	90	91.3	39.7	92	90.4	45.8	92	76.1	38.6	92	76.1	38.0	92
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	-

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

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

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

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

ZE100-7

BAM-test chart ZE10; Transfer olv^*_{30} , LCH^*_{a1} , nce^* , 3/12
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 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);

		->ORS18			->ORS18			ORS18			TLS00			NRS18			SRS18		
no.	Colour	olv^*_{30}	n^*	c^*	H^*_{si0}	LCH^*_{a1}		LCH^*_{a2}		LCH^*_{a3}		LCH^*_{a4}		LCH^*_{a5}		LCH^*_{a6}		LCH^*_{a7}	
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	21.9	27.1	305	15.5	23.3	305	37.4	34.1	305	37.4	33.6	305
03	V	0.0	0.0	1.0	0.0	1.0	270	25.7	54.3	305	31.1	46.6	305	56.7	68.3	305	56.7	67.3	305
04	Ln	0.0	0.5	0.0	0.5	0.5	150	34.5	35.9	151	42.2	51.5	151	37.4	34.6	151	37.4	38.3	151
05	Cn	0.0	0.5	0.5	0.5	0.5	210	38.3	35.9	236	33.3	14.3	236	37.4	34.7	236	37.4	33.6	236
06	-	0.0	0.5	1.0	0.0	1.0	240	41.9	44.8	271	48.5	29.3	271	56.7	76.9	271	56.7	76.6	271
07	L	0.0	1.0	0.0	0.0	1.0	150	50.9	71.8	151	84.4	103	151	56.7	69.3	151	56.7	76.6	151
08	-	0.0	1.0	0.5	0.0	1.0	180	54.7	53.0	193	86.7	111	193	56.7	68.8	193	56.7	68.8	193
09	C	0.0	1.0	1.0	0.0	1.0	210	58.6	71.9	236	66.5	28.6	236	56.7	69.5	236	56.7	67.2	236
10	On	0.5	0.0	0.0	0.5	0.5	30	33.1	41.2	38	25.3	54.2	38	37.4	34.6	38	37.4	36.1	38
11	Mn	0.5	0.0	0.5	0.5	0.5	330	33.1	37.8	354	27.4	45.7	354	37.4	34.1	354	37.4	33.7	354
12	-	0.5	0.0	1.0	0.0	1.0	300	36.8	49.4	329	57.2	110	329	56.7	77.1	329	56.7	76.6	329
13	Ln	0.5	0.5	0.0	0.5	0.5	90	54.1	41.2	96	44.0	47.1	96	37.4	37.1	96	37.4	36.7	96
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	60.6	27.1	305	63.2	23.3	305	76.1	34.1	305	76.1	33.6	305
16	-	0.5	1.0	0.0	0.0	1.0	120	70.4	82.1	124	86.9	89.5	124	56.7	63.5	124	56.7	67.2	124
17	Lw	0.5	1.0	0.5	0.0	0.5	150	73.2	35.9	151	89.9	51.5	151	76.1	34.6	151	76.1	38.3	151
18	Mw	0.5	1.0	1.0	0.0	0.5	210	77.0	35.9	236	81.0	14.3	236	76.1	34.7	236	76.1	33.6	236
19	O	1.0	0.0	0.0	0.0	1.0	30	48.2	82.4	38	50.7	108	38	56.7	69.1	38	56.7	72.3	38
20	-	1.0	0.0	0.5	0.0	1.0	0	48.0	70.2	16	52.8	91.9	16	56.7	72.0	16	56.7	69.7	16
21	M	1.0	0.0	1.0	0.0	1.0	330	48.1	75.6	354	54.9	91.3	354	56.7	68.2	354	56.7	67.4	354
22	-	1.0	0.5	0.0	0.0	1.0	60	69.1	72.0	67	68.6	85.9	67	56.7	65.3	67	56.7	67.5	67
23	Ow	1.0	0.5	0.5	0.0	0.5	30	71.8	41.2	38	73.0	54.2	38	76.1	34.6	38	76.1	36.1	38
24	Mw	1.0	0.5	1.0	0.0	0.5	330	71.8	37.8	354	75.1	45.7	354	76.1	34.1	354	76.1	33.7	354
25	Y	1.0	1.0	0.0	0.0	1.0	90	90.1	82.3	96	88.1	94.2	96	56.7	74.2	96	56.7	73.4	96
26	Yw	1.0	1.0	0.5	0.0	0.5	90	92.8	41.2	96	91.7	47.1	96	76.1	37.1	96	76.1	36.7	96
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