

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

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

	->NRS18					->NRS18			ORS18		TLS00		NRS18		SRS18	
no.	Colour	ol [*] ₃₀	ol [*] ₃₀	rgb [*] 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	Bn	0.0	0.0	0.5	0.5	0.5	270	272	271	272	270	272	270	272	270	
03	B	0.0	0.0	1.0	0.0	1.0	270	272	271	272	270	272	270	272	270	
04	Gn	0.0	0.5	0.0	0.5	0.5	150	162	177	162	180	162	180	162	180	
05	C'n	0.0	0.5	0.5	0.5	0.5	210	217	224	217	225	217	225	217	225	
06	-	0.0	0.5	1.0	0.0	1.0	240	244	247	244	247	244	247	244	247	
07	G	0.0	1.0	0.0	0.0	1.0	150	162	177	162	180	162	180	162	180	
08	-	0.0	1.0	0.5	0.0	1.0	180	190	202	190	203	190	203	190	203	
09	C'	0.0	1.0	1.0	0.0	1.0	210	217	224	217	225	217	225	217	225	
10	Rn	0.5	0.0	0.0	0.5	0.5	30	25	0	25	359	25	359	25	359	
11	M'n	0.5	0.0	0.5	0.5	0.5	330	329	316	329	315	329	315	329	315	
12	-	0.5	0.0	1.0	0.0	1.0	300	300	293	300	292	300	292	300	292	
13	Gn	0.5	0.5	0.0	0.5	0.5	90	92	90	92	89	92	89	92	89	
14	Z	0.5	0.5	0.5	0.5	0.0	-	-	-	-	-	-	-	-	-	
15	Bw	0.5	0.5	1.0	0.0	0.5	270	272	271	272	270	272	270	272	270	
16	-	0.5	1.0	0.0	0.0	1.0	120	127	134	127	135	127	135	127	135	
17	Gw	0.5	1.0	0.5	0.0	0.5	150	162	177	162	180	162	180	162	180	
18	M'w	0.5	1.0	1.0	0.0	0.5	210	217	224	217	225	217	225	217	225	
19	R	1.0	0.0	0.0	0.0	1.0	30	25	0	25	359	25	359	25	359	
20	-	1.0	0.0	0.5	0.0	1.0	0	357	338	357	337	357	337	357	337	
21	M'	1.0	0.0	1.0	0.0	1.0	330	329	316	329	315	329	315	329	315	
22	-	1.0	0.5	0.0	0.0	1.0	60	59	46	59	45	59	45	59	45	
23	Rw	1.0	0.5	0.5	0.0	0.5	30	25	0	25	359	25	359	25	359	
24	M'w	1.0	0.5	1.0	0.0	0.5	330	329	316	329	315	329	315	329	315	
25	J	1.0	1.0	0.0	0.0	1.0	90	92	90	92	89	92	89	92	89	
26	Jw	1.0	1.0	0.5	0.0	0.5	90	92	90	92	89	92	89	92	89	
27	W	1.0	1.0	1.0	0.0	0.0	-	-	-	-	-	-	-	-	-	

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

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

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

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

ZE100-7

BAM-test chart ZE10; Transfer olv^*_{30} , LCH*a, nce*, 4/12
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 $H^*_{aim} H^*_{eim}$ 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);

	->ORS18				->ORS18				ORS18		TLS00		NRS18		SRS18	
<i>no. Colour</i>	<i>olv*</i>	<i>30</i>	<i>n*, c*, H*</i>	<i>si0</i>	<i>H*ai1</i>	<i>H*ei1</i>	<i>H*ai2</i>	<i>H*ei2</i>	<i>H*ai3</i>	<i>H*ei3</i>	<i>H*ai4</i>	<i>H*ei4</i>				
01 <i>N</i>	0.0	0.0	0.0	1.0	0.0	-	-	-	-	-	-	-	-	-	-	-
02 <i>Vn</i>	0.0	0.0	0.5	0.5	0.5	270	305	297	305	296	305	296	305	296	305	296
03 <i>V</i>	0.0	0.0	1.0	0.0	1.0	270	305	297	305	296	305	296	305	296	305	296
04 <i>Ln</i>	0.0	0.5	0.0	0.5	0.5	150	151	163	151	166	151	166	151	166	151	166
05 <i>Cn</i>	0.0	0.5	0.5	0.5	0.5	210	236	240	236	241	236	241	236	241	236	241
06 -	0.0	0.5	1.0	0.0	1.0	240	271	270	271	270	271	270	271	270	271	270
07 <i>L</i>	0.0	1.0	0.0	0.0	1.0	150	151	163	151	166	151	166	151	166	151	166
08 -	0.0	1.0	0.5	0.0	1.0	180	193	204	193	205	193	205	193	205	193	205
09 <i>C</i>	0.0	1.0	1.0	0.0	1.0	210	236	240	236	241	236	241	236	241	236	241
10 <i>On</i>	0.5	0.0	0.0	0.5	0.5	30	38	18	38	17	38	17	38	17	38	17
11 <i>Mn</i>	0.5	0.0	0.5	0.5	0.5	330	354	336	354	335	354	335	354	335	354	335
12 -	0.5	0.0	1.0	0.0	1.0	300	329	316	329	315	329	315	329	315	329	315
13 <i>Ln</i>	0.5	0.5	0.0	0.5	0.5	90	96	95	96	95	96	95	96	95	96	95
14 <i>Z</i>	0.5	0.5	0.5	0.5	0.0	-	-	-	-	-	-	-	-	-	-	-
15 <i>Vw</i>	0.5	0.5	1.0	0.0	0.5	270	305	297	305	296	305	296	305	296	305	296
16 -	0.5	1.0	0.0	0.0	1.0	120	124	130	124	131	124	131	124	131	124	131
17 <i>Lw</i>	0.5	1.0	0.5	0.0	0.5	150	151	163	151	166	151	166	151	166	151	166
18 <i>Mw</i>	0.5	1.0	1.0	0.0	0.5	210	236	240	236	241	236	241	236	241	236	241
19 <i>O</i>	1.0	0.0	0.0	0.0	1.0	30	38	18	38	17	38	17	38	17	38	17
20 -	1.0	0.0	0.5	0.0	1.0	0	16	353	16	352	16	352	16	352	16	352
21 <i>M</i>	1.0	0.0	1.0	0.0	1.0	330	354	336	354	335	354	335	354	335	354	335
22 -	1.0	0.5	0.0	0.0	1.0	60	67	57	67	56	67	56	67	56	67	56
23 <i>Ow</i>	1.0	0.5	0.5	0.0	0.5	30	38	18	38	17	38	17	38	17	38	17
24 <i>Mw</i>	1.0	0.5	1.0	0.0	0.5	330	354	336	354	335	354	335	354	335	354	335
25 <i>Y</i>	1.0	1.0	0.0	0.0	1.0	90	96	95	96	95	96	95	96	95	96	95
26 <i>Yw</i>	1.0	1.0	0.5	0.0	0.5	90	96	95	96	95	96	95	96	95	96	95
27 <i>W</i>	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