

Table: data α_{aM} , olv^*_{3M} , LCH^*_{aM} , a^*_{aM} , b^*_{aM} of System NRS18 for CIELAB hue angle $h_{ab,a}$ and transfer to the standard (s) and elementary (e) hue

$h_{ab,a}$	$h_{ab,s}$	$h_{ab,e}$	h^*	h^*_s	$h^*_e=e^*$	α_{aM}	o^*_{3M}	l^*_{3M}	v^*_{3M}	L^*_{aM}	$C^*_{ab,aM}$	H^*_{aM}	a^*_{aM}	b^*_{aM}
0	3	340	0.0	0.009	0.944	0.552	1.0	0.0	0.448	56.71	68.15	0.0	68.15	0.0
10	14	348	0.028	0.038	0.966	0.728	1.0	0.0	0.272	56.71	69.84	10.0	68.78	12.13
20	24	356	0.056	0.067	0.988	0.904	1.0	0.0	0.096	56.71	73.91	20.0	69.46	25.28
30	34	6	0.083	0.095	0.016	0.068	1.0	0.068	0.0	56.71	73.79	30.0	63.9	36.89
40	43	19	0.111	0.12	0.054	0.217	1.0	0.217	0.0	56.71	68.28	40.0	52.31	43.89
50	52	33	0.139	0.144	0.091	0.367	1.0	0.367	0.0	56.71	65.39	50.0	42.03	50.09
60	61	46	0.167	0.169	0.129	0.517	1.0	0.517	0.0	56.71	64.62	60.0	32.31	55.96
70	70	60	0.194	0.194	0.166	0.666	1.0	0.666	0.0	56.71	65.84	70.0	22.52	61.87
80	79	73	0.222	0.219	0.204	0.816	1.0	0.816	0.0	56.71	69.25	80.0	12.03	68.2
90	88	87	0.25	0.244	0.241	0.966	1.0	0.966	0.0	56.71	75.46	90.0	0.0	75.46
100	97	100	0.278	0.268	0.277	0.11	0.89	1.0	0.0	56.71	71.36	100.0	-12.38	70.28
110	105	113	0.306	0.292	0.313	0.253	0.747	1.0	0.0	56.71	66.43	110.0	-22.71	62.42
120	114	126	0.333	0.316	0.349	0.396	0.604	1.0	0.0	56.71	63.95	120.0	-31.96	55.38
130	122	139	0.361	0.34	0.385	0.539	0.461	1.0	0.0	56.71	63.51	130.0	-40.81	48.65
140	131	151	0.389	0.364	0.421	0.682	0.318	1.0	0.0	56.71	65.04	140.0	-49.81	41.8
150	140	164	0.417	0.388	0.456	0.825	0.175	1.0	0.0	56.71	68.78	150.0	-59.56	34.39
160	148	177	0.444	0.411	0.492	0.968	0.032	1.0	0.0	56.71	75.42	160.0	-70.86	25.79
170	159	186	0.472	0.44	0.518	0.142	0.0	1.0	0.142	56.71	72.94	170.0	-71.83	12.67
180	169	195	0.5	0.471	0.541	0.325	0.0	1.0	0.325	56.71	69.69	180.0	-69.68	0.0
190	180	203	0.528	0.501	0.564	0.507	0.0	1.0	0.507	56.71	68.72	190.0	-67.66	-11.92
200	191	211	0.556	0.532	0.587	0.69	0.0	1.0	0.69	56.71	69.86	200.0	-65.64	-23.89
210	202	219	0.583	0.562	0.609	0.873	0.0	1.0	0.873	56.71	73.32	210.0	-63.48	-36.65
220	213	228	0.611	0.593	0.632	0.055	0.0	0.945	1.0	56.71	75.43	220.0	-57.77	-48.48
230	224	236	0.639	0.623	0.655	0.238	0.0	0.762	1.0	56.71	70.93	230.0	-45.58	-54.33
240	235	244	0.667	0.653	0.678	0.42	0.0	0.58	1.0	56.71	68.92	240.0	-34.45	-59.67
250	246	252	0.694	0.684	0.701	0.603	0.0	0.397	1.0	56.71	69.05	250.0	-23.61	-64.88
260	257	261	0.722	0.714	0.724	0.786	0.0	0.214	1.0	56.71	71.36	260.0	-12.38	-70.26
270	268	269	0.75	0.745	0.747	0.968	0.0	0.032	1.0	56.71	76.22	270.0	0.0	-76.21
280	279	277	0.778	0.774	0.769	0.145	0.145	0.0	1.0	56.71	72.5	280.0	12.59	-71.39
290	289	285	0.806	0.804	0.791	0.321	0.321	0.0	1.0	56.71	69.14	290.0	23.65	-64.96
300	300	292	0.833	0.833	0.812	0.497	0.497	0.0	1.0	56.71	68.05	300.0	34.02	-58.92
310	310	300	0.861	0.862	0.834	0.673	0.673	0.0	1.0	56.71	69.06	310.0	44.39	-52.89
320	321	308	0.889	0.891	0.856	0.849	0.849	0.0	1.0	56.71	72.34	320.0	55.41	-46.49
330	331	316	0.917	0.921	0.878	0.024	1.0	0.0	0.976	56.71	76.42	330.0	66.18	-38.2
340	342	324	0.944	0.95	0.9	0.2	1.0	0.0	0.8	56.71	71.19	340.0	66.89	-24.34
350	353	332	0.972	0.979	0.922	0.376	1.0	0.0	0.624	56.71	68.58	350.0	67.54	-11.9
0	3	340	0.0	0.009	0.944	0.552	1.0	0.0	0.448	56.71	68.15	0.0	68.15	0.0

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Table: CIELAB hue angle $h_{ab,a}$ of the System NRS18 and transfer to hue angles in the standard (s) or elementary (e) colour system

$h_{ab,a}$	$h_{ab,s}$	$h_{ab,e}$	h^*	h^*_s	$h^*_e=e^*$	$h_{ab,s}$	$h_{ab,a}$	$h_{ab,e}$	h^*_s	h^*	$h^*_e=e^*$	$h_{ab,e}$	$h_{ab,a}$	$h_{ab,s}$	$h^*_e=e^*h^*$	h^*_s
0	3	340	0.0	0.009	0.944	0	357	337	0.0	0.992	0.937	0	26	30	0.0	0.071 0.001
10	14	348	0.028	0.038	0.966	10	7	345	0.028	0.018	0.959	10	33	37	0.028	0.092 0.028
20	24	356	0.056	0.067	0.988	20	16	352	0.056	0.044	0.979	20	40	43	0.056	0.112 0.054
30	34	6	0.083	0.095	0.016	30	25	359	0.083	0.071	0.999	30	48	50	0.083	0.133 0.084
40	43	19	0.111	0.12	0.054	40	37	15	0.111	0.102	0.043	40	55	57	0.111	0.154 0.11
50	52	33	0.139	0.144	0.091	50	48	30	0.139	0.133	0.084	50	63	64	0.139	0.174 0.14
60	61	46	0.167	0.169	0.129	60	59	45	0.167	0.164	0.125	60	70	70	0.167	0.195 0.166
70	70	60	0.194	0.194	0.166	70	70	60	0.194	0.195	0.166	70	78	77	0.194	0.215 0.196
80	79	73	0.222	0.219	0.204	80	81	75	0.222	0.225	0.207	80	85	83	0.222	0.236 0.222
90	88	87	0.25	0.244	0.241	90	92	89	0.25	0.256	0.249	90	92	90	0.25	0.257 0.249
100	97	100	0.278	0.268	0.277	100	104	105	0.278	0.289	0.292	100	100	97	0.278	0.278 0.277
110	105	113	0.306	0.292	0.313	110	116	120	0.306	0.321	0.335	110	108	103	0.306	0.3 0.306
120	114	126	0.333	0.316	0.349	120	127	135	0.333	0.354	0.374	120	116	110	0.333	0.321 0.335
130	122	139	0.361	0.34	0.385	130	139	150	0.361	0.386	0.417	130	123	116	0.361	0.343 0.36
140	131	151	0.389	0.364	0.421	140	151	166	0.389	0.418	0.46	140	131	123	0.389	0.364 0.388
150	140	164	0.417	0.388	0.456	150	162	180	0.417	0.451	0.499	150	139	130	0.417	0.386 0.417
160	148	177	0.444	0.411	0.492	160	171	187	0.444	0.476	0.52	160	147	137	0.444	0.407 0.446
170	159	186	0.472	0.44	0.518	170	180	195	0.472	0.501	0.541	170	154	143	0.472	0.429 0.471
180	169	195	0.5	0.471	0.541	180	190	203	0.5	0.527	0.564	180	162	150	0.5	0.45 0.499
190	180	203	0.528	0.501	0.564	190	199	210	0.528	0.552	0.584	190	174	163	0.528	0.484 0.527
200	191	211	0.556	0.532	0.587	200	208	218	0.556	0.577	0.605	200	186	176	0.556	0.518 0.554
210	202	219	0.583	0.562	0.609	210	217	225	0.583	0.603	0.625	210	199	190	0.583	0.552 0.584
220	213	228	0.611	0.593	0.632	220	226	233	0.611	0.628	0.646	220	211	203	0.611	0.585 0.612
230	224	236	0.639	0.623	0.655	230	235	240	0.639	0.653	0.667	230	223	217	0.639	0.619 0.639
240	235	244	0.667	0.653	0.678	240	244	247	0.667	0.679	0.687	240	235	230	0.667	0.653 0.667
250	246	252	0.694	0.684	0.701	250	253	255	0.694	0.704	0.708	250	247	243	0.694	0.687 0.694
260	257	261	0.722	0.714	0.724	260	263	263	0.722	0.729	0.731	260	259	256	0.722	0.72 0.721
270	268	269	0.75	0.745	0.747	270	272	270	0.75	0.755	0.751	270	271	269	0.75	0.754 0.749
280	279	277	0.778	0.774	0.769	280	281	277	0.778	0.781	0.771	280	284	283	0.778	0.789 0.777
290	289	285	0.806	0.804	0.791	290	291	285	0.806	0.807	0.793	290	297	297	0.806	0.825 0.806
300	300	292	0.833	0.833	0.812	300	300	292	0.833	0.834	0.812	300	310	310	0.833	0.86 0.834
310	310	300	0.861	0.862	0.834	310	310	300	0.861	0.86	0.834	310	322	323	0.861	0.895 0.861
320	321	308	0.889	0.891	0.856	320	319	307	0.889	0.886	0.854	320	335	337	0.889	0.93 0.889
330	331	316	0.917	0.921	0.878	330	329	315	0.917	0.913	0.876	330	348	350	0.917	0.966 0.918
340	342	324	0.944	0.95	0.9	340	338	322	0.944	0.939	0.896	340	0	3	0.944	0.001 0.944
350	353	332	0.972	0.979	0.922	350	348	330	0.972	0.965	0.918	350	13	17	0.972	0.036 0.972
0	3	340	0.0	0.009	0.944	0	357	337	0.0	0.992	0.937	0	26	30	0.0	0.071 0.001

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BAM-test chart ZE13; colorimetric coordinate transfer
Tables for the transfer between olv^*_{3} , LCH^*_{a} , nce^* and hue

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