

Tables 3 and 4 after Bonferroni correction

Table 3: Results of the Bonferroni-corrected correlation analysis (3 audio features * 5 color values * 5 instruments = 75) between the changes in the audio features (as a consequence of partial reduction) in relation to the values of the colors perceived by timbre-color synesthetes . Significant results after Bonferroni correction are marked in blue (* $p_{Bonf.} < 0.000667$).						
Synesthetes	spectral centroid		Harmonicity Strength		Percussive Loudness	
	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>
Saturation						
Flute	-0.798	0.003	0.823	0.002	-0.748	0.008
French Horn	-0.023	0.946	-0.053	0.877	0.054	0.875
Oboe	0.591	0.056	-0.695	0.018	0.697	0.017
Piano	-0.713	0.014	0.678	0.022	-0.766	0.006
Violin	0.813	0.002	-0.847*	< .001	0.795	0.003
Lightness						
Flute	0.648	0.031	-0.624	0.040	0.670	0.024
French Horn	0.258	0.443	-0.347	0.296	0.354	0.286
Oboe	0.614	0.044	-0.578	0.062	0.578	0.063
Piano	0.820	0.002	-0.822	0.002	0.772	0.005
Violin	0.755	0.007	-0.632	0.037	0.719	0.013
Red						
Flute	-0.641	0.034	0.685	0.020	-0.563	0.071
French Horn	-0.463	0.152	0.418	0.201	-0.419	0.200
Oboe	-0.048	0.888	0.137	0.688	-0.141	0.680
Piano	0.304	0.363	-0.303	0.364	0.255	0.450
Violin	0.784	0.004	-0.733	0.010	0.719	0.013
Green						
Flute	0.562	0.072	-0.550	0.079	0.601	0.050
French Horn	-0.630	0.038	0.542	0.085	-0.565	0.070
Oboe	-0.676	0.022	0.677	0.022	-0.640	0.034
Piano	0.784	0.004	-0.806	0.003	0.744	0.009
Violin	-0.070	0.839	0.154	0.651	-0.061	0.858
Blue						
Flute	0.852*	< .001	-0.842	0.001	0.833	0.001
French Horn	0.540	0.086	-0.591	0.055	0.612	0.045
Oboe	0.671	0.024	-0.658	0.028	0.623	0.041
Piano	0.564	0.071	-0.558	0.075	0.558	0.074
Violin	0.599	0.051	-0.483	0.132	0.591	0.055

Table 4: Results of the Bonferroni-corrected correlation analysis (3 audio features * 5 color values * 5 instruments = 75) between the changes in the audio features (as a consequence of partial reduction) in relation to the values of the colors perceived by non-synesthetes . Significant results after Bonferroni correction are marked in blue (* $p_{Bonf.} < 0.000667$).						
non-Synesthetes	spectral centroid		Harmonicity Strength		Percussive Loudness	
	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>
Saturation						
Flute	-0.758	0.007	0.763	0.006	-0.695	0.018
French Horn	-0.059	0.863	0.023	0.947	-0.040	0.907
Oboe	-0.865*	< .001	0.864*	< .001	-0.852*	< .001
Piano	-0.266	0.430	0.268	0.425	-0.361	0.275
Violin	-0.164	0.630	0.078	0.820	-0.185	0.586
Lightness						
Flute	0.682	0.021	-0.637	0.035	0.712	0.014
French Horn	0.479	0.136	-0.442	0.174	0.536	0.089
Oboe	0.825	0.002	-0.822	0.002	0.881*	< .001
Piano	-0.382	0.247	0.355	0.284	-0.259	0.442
Violin	0.623	0.040	-0.599	0.052	0.643	0.033
Red						
Flute	0.328	0.325	-0.326	0.328	0.373	0.258
French Horn	-0.007	0.983	-0.015	0.965	0.062	0.857
Oboe	0.586	0.058	-0.624	0.040	0.607	0.047
Piano	-0.434	0.182	0.466	0.149	-0.456	0.158
Violin	0.617	0.043	-0.651	0.030	0.641	0.033
Green						
Flute	0.755	0.007	-0.703	0.016	0.800	0.003
French Horn	0.709	0.015	-0.639	0.034	0.710	0.014
Oboe	0.838	0.001	-0.743	0.009	0.818	0.002
Piano	0.107	0.755	-0.130	0.704	0.194	0.567
Violin	0.481	0.134	-0.554	0.077	0.509	0.110
Blue						
Flute	0.463	0.151	-0.431	0.185	0.439	0.177
French Horn	0.421	0.197	-0.354	0.285	0.472	0.143
Oboe	0.441	0.175	-0.474	0.141	0.489	0.127
Piano	-0.371	0.261	0.316	0.344	-0.297	0.375
Violin	0.229	0.499	-0.067	0.844	0.213	0.530