

Table 1: CIE a*b*, xy, and u'v' chromaticity coordinates for the stimuli used in all of the experiments.

Color	a*	b*	x	y	u'	v'
<i>Background “White”</i>	0	0	0.3	0.33	0.1887	0.4670
<i>Blue</i>	27.5602	-37.3207	0.2659	0.2425	0.1978	0.4058
<i>Green</i>	-39.8219	-0.1781	0.2419	0.3568	0.1423	0.4724
<i>Orange</i>	24.3662	66.3867	0.447	0.423	0.2490	0.5301
<i>Purple</i>	55.3343	-61.1416	0.261	0.206	0.2109	0.3745
<i>Red</i>	33.6096	0.1307	0.35	0.3068	0.2341	0.4616
<i>Yellow</i>	-31.3569	70.9118	0.3713	0.5133	0.1765	0.5489

Appendix: Individual WCE effect sizes for all observers and all experiments.

	Condition	Observers	Angle difference (in deg)	Shift size vector/inducing contour vector
Exp. 1A	<i>Stimulus 1</i>	Observer 1	9.04	0.0722
		Observer 2	13.29	0.0412
		Observer 3	2.83	0.0790
		Observer 4	29.25	0.0367
		Mean	11.18	0.0561
	<i>Stimulus 2</i>	Observer 1	21.57	0.0206
		Observer 2	12.59	0.0057
		Observer 3	6.81	0.0023
		Mean	13.66	0.0092
Exp. 1B	<i>Stimulus 1</i>	Observer 1	8.64	0.0367
		Observer 2	8.23	0.0367
		Observer 3	10.31	0.0550
		Mean	9.06	0.0412
	<i>Stimulus 2</i>	Observer 1	5.64	0.0286
		Observer 2	5.37	0.0275
		Observer 3	14.73	0.0401
		Mean	8.58	0.0321
Exp. 2	<i>Orange Spreading</i>	Observer 1	5.64	0.0286
		Observer 2	5.37	0.0275
		Observer 3	14.73	0.0401
		Mean	8.58	0.0321
	<i>Purple Spreading</i>	Observer 1	7.48	0.0200
		Observer 2	8.40	0.0589
		Observer 3	1.88	0.0347
		Mean	5.92	0.0379
	<i>Blue Spreading</i>	Observer 1	24.66	0.0258
		Observer 2	4.43	0.0420
		Observer 3	6.24	0.0323
		Mean	4.66	0.0339
	<i>Yellow Spreading</i>	Observer 1	18.33	0.0181
		Observer 2	2.92	0.0109
		Observer 3	6.09	0.0266
		Mean	9.11	0.0181
	<i>Green Spreading</i>	Observer 1	6.18	0.0534
		Observer 2	1.79	0.0214
		Observer 3	17.51	0.0363
		Mean	3.18	0.0321
	<i>Red Spreading</i>	Observer 1	6.05	0.0328
		Observer 2	4.37	0.0503
		Observer 3	12.43	0.0481
		Mean	7.61	0.0438
Exp. 3	<i>Luminance Ratio 0.25:1(orange/purple)</i>	Observer 1	45.02	0.0137
		Observer 2	29.09	0.0010
		Observer 3	41.05	0.0241
		Mean	38.39	0.0126

<i>Luminance Ratio</i>	Observer 1	37.72	0.0137
<i>0.615-0.645:1</i>	Observer 2	20.86	0.0092
	Observer 3	38.10	0.0298
	Mean	32.23	0.0172
<i>Luminance Ratio</i>	Observer 1	22.43	0.0172
<i>1:1</i>	Observer 2	21.09	0.0126
	Observer 3	29.51	0.0344
	Mean	24.34	0.0218
<i>Luminance Ratio</i>	Observer 1	0.73	0.0195
<i>1.81-2.18:1</i>	Observer 2	21.39	0.0263
	Observer 3	24.21	0.0378
	Mean	15.44	0.0275
<i>Luminance Ratio</i>	Observer 1	0.07	0.0229
<i>2.85:1</i>	Observer 2	21.46	0.0332
	Observer 3	19.07	0.0470
	Mean	13.53	0.0344