

Colour stimuli of just noticeable colour thresholds (p=50%) in BY direction													
number Colour series		CIELAB differences lightness, chroma,Σ				LABJND differences lightness, chroma, Σ				colour differences other formulae			notes experimental series
		ΔL*	Δa*	Δb*	ΔE* _{ab}	ΔL*	Δa*	Δb*	ΔE*	CMC	C94	C00	
0	GDV	0.01	-0.27	-2.11	2.13	0.12	-0.16	-1.83	1.84	0.86	0.81	0.67	_BY grey surround Y _G =16.6 with white border X _W =90.38 Y _W =100.0 Z _W =87.54 x _W =0.3251 y _W =0.3598
1	GDV	0.0	-0.19	-1.15	1.17	0.0	-0.17	-1.78	1.79	0.55	0.56	0.48	
2	GDV	0.0	-0.15	-0.82	0.83	0.0	-0.2	-1.94	1.95	0.51	0.52	0.46	
3	GDV	0.0	-0.11	-0.71	0.72	0.0	-0.17	-2.12	2.13	0.59	0.54	0.49	
4	GDV	0.0	-0.1	-0.6	0.61	0.0	-0.2	-2.09	2.1	0.71	0.54	0.51	
5	GDV	0.0	-0.09	-0.52	0.53	0.0	-0.21	-1.99	2.0	0.78	0.51	0.52	
6	GDV	0.01	-0.13	-0.62	0.63	0.14	-0.3	-2.49	2.51	1.09	0.54	0.51	
7	GDV	0.0	-0.14	-0.55	0.57	0.0	-0.3	-2.33	2.35	0.77	0.41	0.37	
8	GDV	0.01	-0.12	-0.58	0.59	0.15	-0.27	-2.51	2.53	0.67	0.39	0.35	
9	GDV	0.01	-0.12	-0.57	0.58	0.15	-0.27	-2.5	2.52	0.6	0.35	0.32	
10	GDV	0.01	-0.1	-0.54	0.55	0.15	-0.22	-2.41	2.43	0.53	0.32	0.28	
11	RDC	0.01	-0.06	-2.38	2.39	0.13	-0.13	-1.89	1.9	1.59	0.86	1.0	_BY grey surround Y _G =16.6 with white border X _W =90.38 Y _W =100.0 Z _W =87.54 x _W =0.3251 y _W =0.3598
12	RDC	0.01	-0.1	-1.31	1.32	0.13	-0.2	-2.15	2.16	1.08	0.6	0.65	
13	RDC	0.01	-0.08	-0.89	0.9	0.12	-0.17	-2.6	2.6	1.0	0.53	0.51	
14	RDC	0.01	-0.11	-0.79	0.8	0.11	-0.24	-2.34	2.36	1.05	0.53	0.52	
15	RDC	0.0	-0.09	-0.65	0.65	0.0	-0.19	-2.24	2.25	1.2	0.53	0.5	
16	RDC	0.0	-0.12	-0.5	0.51	0.0	-0.27	-1.91	1.93	0.75	0.49	0.51	
17	RDC	0.0	-0.1	-0.53	0.54	0.0	-0.19	-2.09	2.1	0.51	0.44	0.42	
18	RDC	0.0	-0.15	-0.57	0.59	0.0	-0.2	-2.27	2.28	0.36	0.37	0.38	
19	RDC	0.0	-0.12	-0.52	0.53	0.0	-0.14	-2.05	2.05	0.28	0.3	0.31	
20	RDC	0.0	-0.15	-0.5	0.52	0.0	-0.15	-1.98	1.99	0.24	0.26	0.27	
21	RDC	0.01	-0.21	-0.51	0.55	0.12	-0.16	-2.04	2.05	0.24	0.25	0.26	
22	TDM	0.0	-0.25	-0.51	0.57	0.0	-0.16	-2.17	2.17	0.22	0.22	0.22	_BY grey surround Y _G =16.6 with white border X _W =90.38 Y _W =100.0 Z _W =87.54 x _W =0.3251 y _W =0.3598
23	TDM	0.0	-0.22	-0.51	0.55	0.0	-0.21	-2.11	2.12	0.26	0.27	0.28	
24	TDM	0.0	-0.11	-0.46	0.47	0.0	-0.16	-1.84	1.85	0.3	0.31	0.31	
25	TDM	0.0	-0.1	-0.47	0.48	0.0	-0.18	-1.86	1.86	0.41	0.37	0.35	
26	TDM	0.0	-0.09	-0.5	0.51	0.0	-0.19	-1.94	1.95	0.58	0.45	0.44	
27	TDM	0.0	-0.09	-0.48	0.49	0.0	-0.21	-1.86	1.87	0.71	0.48	0.48	
28	TDM	0.0	-0.1	-0.55	0.56	0.0	-0.2	-2.22	2.23	0.75	0.39	0.33	
29	TDM	0.01	-0.12	-0.6	0.62	0.15	-0.23	-2.48	2.5	0.59	0.32	0.27	
30	TDM	0.01	-0.07	-0.63	0.63	0.12	-0.14	-2.61	2.61	0.54	0.28	0.23	
31	TDM	0.01	-0.06	-0.69	0.69	0.11	-0.12	-2.89	2.89	0.55	0.28	0.23	
32	TDM	0.01	-0.08	-0.74	0.75	0.11	-0.14	-3.13	3.13	0.58	0.29	0.23	
33	BDY	0.0	-0.09	-0.36	0.37	0.0	-0.18	-1.54	1.55	0.2	0.17	0.17	_BY grey surround Y _G =16.6 with white border X _W =90.38 Y _W =100.0 Z _W =87.54 x _W =0.3251 y _W =0.3598
34	BDY	0.0	-0.12	-0.46	0.48	0.0	-0.25	-1.96	1.97	0.3	0.26	0.27	
35	BDY	0.0	-0.1	-0.42	0.44	0.0	-0.22	-1.73	1.75	0.34	0.28	0.29	
36	BDY	0.0	-0.1	-0.42	0.43	0.0	-0.21	-1.69	1.7	0.41	0.32	0.33	
37	BDY	0.0	-0.1	-0.46	0.47	0.0	-0.21	-1.77	1.79	0.56	0.41	0.41	
38	BDY	0.0	-0.09	-0.45	0.46	0.0	-0.19	-1.73	1.74	0.69	0.45	0.46	
39	BDY	0.0	-0.13	-0.74	0.75	0.0	-0.3	-2.11	2.13	0.6	0.5	0.51	
40	BDY	0.0	-0.09	-0.81	0.82	0.0	-0.19	-1.44	1.46	0.42	0.36	0.36	
41	BDY	0.0	-0.08	-1.24	1.24	0.0	-0.17	-1.59	1.6	0.54	0.45	0.45	
42	BDY	0.0	-0.09	-2.0	2.0	0.0	-0.2	-1.56	1.57	0.75	0.58	0.59	
43	BDY	0.01	-0.11	-4.84	4.85	0.1	-0.24	-1.71	1.73	1.59	1.1	1.14	
mean					0.84					2.09	0.63	0.44	0.42
standard deviation					0.75					0.35	0.32	0.17	0.18
Samples: Green (G, no. 00), Violet V (no. 10), Red (R, no. 11), Cyan (C, no. 21) Turquoise (T, no. 22), Magenta (M, no. 32), Blue (B, no. 33), Yellow (Y, no. 43) Source: BAM Research Report no. 115 (1985), Tables 5.40;1 to 11													