Colour stimuli of just noticable colour thresholds *(p=50%)* in TM direction

number Colour series	CIELAB differences lightness, chroma,Σ ΔL*	Δa*	Δb*	ΔE*ab	LABJND differences lightness, chroma, Σ ΔL*	Δa*	Δb*	ΔE*	colour differences other formulae CMC	C94	C00	notes experimental series
0 GDV	0.01	−2.62	0.24	2.63	0.12	−1.66	0.2	1.67	0.86	0.65	0.58	_TM
1 GDV	0.01	−2.04	0.12	2.04	0.11	−1.83	0.18	1.84	0.77	0.65	0.6	grey surround
2 GDV	0.01	−1.07	0.05	1.07	0.12	−1.36	0.12	1.37	0.51	0.46	0.44	Y_G=16.6
3 GDV	0.01	−0.99	0.04	0.99	0.13	−1.58	0.13	1.6	0.64	0.56	0.63	with white
4 GDV	0.01	−0.91	0.04	0.91	0.11	−1.74	0.16	1.75	0.87	0.69	0.9	border
5 GDV	0.01	−0.76	0.04	0.76	0.13	−1.65	0.17	1.67	1.11	0.75	1.13	X_W=90.38
6 GDV	0.01	−0.93	0.02	0.93	0.14	−2.01	0.09	2.02	1.08	0.68	0.89	Y_W=100.0
7 GDV	0.01	−0.88	0.04	0.89	0.15	−1.87	0.18	1.88	0.72	0.49	0.53	Z_W=87.54
8 GDV	0.01	−0.92	0.02	0.92	0.15	−1.88	0.11	1.89	0.64	0.44	0.43	x_W=0.3251
9 GDV	0.01	−0.87	0.01	0.87	0.15	−1.76	0.09	1.77	0.55	0.38	0.37	y_W=0.3598
10 GDV	0.01	−0.89	0.02	0.89	0.15	−1.76	0.14	1.77	0.52	0.36	0.34	
11 RDC	0.01	−0.84	0.28	0.89	0.13	−1.41	0.21	1.44	0.62	0.33	0.38	_TM
12 RDC	0.01	−0.94	0.17	0.96	0.13	−1.7	0.26	1.73	0.63	0.36	0.39	grey surround
13 RDC	0.01	−0.76	0.08	0.77	0.12	−1.45	0.23	1.48	0.42	0.29	0.29	Y_G=16.6
14 RDC	0.01	−0.79	0.05	0.79	0.11	−1.6	0.15	1.61	0.61	0.4	0.43	with white
15 RDC	0.01	−0.79	0.04	0.79	0.11	−1.66	0.14	1.67	0.77	0.53	0.68	border
16 RDC	0.01	−0.7	0.03	0.7	0.11	−1.51	0.12	1.52	1.01	0.69	1.02	X_W=90.38
17 RDC	0.01	−0.96	0.03	0.96	0.12	−1.69	0.12	1.7	0.74	0.63	0.77	Y_W=100.0
18 RDC	0.01	−1.21	0.04	1.21	0.13	−1.59	0.17	1.6	0.6	0.52	0.52	Z_W=87.54
19 RDC	0.01	−1.36	0.02	1.36	0.11	−1.51	0.09	1.51	0.57	0.48	0.48	x_W=0.3251
20 RDC	0.01	−1.54	0.03	1.54	0.12	−1.45	0.12	1.46	0.58	0.46	0.46	y_W=0.3598
21 RDC	0.01	−2.06	0.03	2.06	0.12	−1.68	0.15	1.69	0.72	0.54	0.54	
22 TDM	0.01	−3.6	0.04	3.6	0.14	−2.27	0.19	2.28	1.16	0.81	0.8	_TM
23 TDM	0.01	−2.46	0.04	2.46	0.14	−2.38	0.19	2.39	0.96	0.78	0.77	grey surround
24 TDM	0.01	−1.69	0.05	1.69	0.13	−2.33	0.22	2.35	0.89	0.78	0.79	Y_G=16.6
25 TDM	0.01	−1.19	0.02	1.19	0.11	−2.01	0.09	2.01	0.84	0.73	0.86	with white
26 TDM	0.01	−0.94	0.04	0.95	0.12	−1.83	0.18	1.85	0.97	0.76	1.0	border
27 TDM	0.01	−0.78	0.02	0.78	0.11	−1.68	0.11	1.69	1.13	0.77	1.12	X_W=90.38
28 TDM	0.01	−0.99	0.04	0.99	0.13	−1.97	0.19	1.99	0.51	0.42	0.43	Y_W=100.0
29 TDM	0.01	−0.96	0.04	0.96	0.15	−1.69	0.2	1.71	0.35	0.26	0.26	Z_W=87.54
30 TDM	0.01	−1.1	0.03	1.1	0.12	−1.74	0.16	1.76	0.37	0.24	0.24	x_W=0.3251
31 TDM	0.01	−1.04	0.04	1.04	0.11	−1.55	0.19	1.57	0.33	0.2	0.2	y_W=0.3598
32 TDM	0.02	−1.1	0.03	1.1	0.25	−1.59	0.19	1.63	0.34	0.2	0.2	
33 BDY	0.01	−0.94	0.01	0.94	0.12	−1.87	0.06	1.87	0.8	0.68	0.75	_TM
34 BDY	0.01	−0.8	0.01	0.8	0.11	−1.66	0.08	1.66	0.8	0.62	0.81	grey surround
35 BDY	0.01	−0.8	0.02	0.8	0.12	−1.66	0.12	1.67	0.95	0.67	0.94	Y_G=16.6
36 BDY	0.01	−0.77	0.01	0.77	0.12	−1.61	0.06	1.61	1.0	0.68	0.98	with white
37 BDY	0.01	−0.76	0.02	0.76	0.12	−1.63	0.11	1.64	1.0	0.72	1.07	border
38 BDY	0.0	−0.7	0.03	0.7	0.0	−1.52	0.12	1.53	1.07	0.7	1.02	X_W=90.38
39 BDY	0.01	−0.78	0.03	0.78	0.12	−1.7	0.08	1.7	1.24	0.67	1.02	Y_W=100.0
40 BDY	0.01	−0.88	0.06	0.88	0.11	−1.82	0.11	1.83	0.93	0.62	0.77	Z_W=87.54
41 BDY	0.01	−0.86	0.11	0.86	0.12	−1.82	0.13	1.83	0.78	0.55	0.65	x_W=0.3251
42 BDY	0.01	−0.95	0.21	0.98	0.12	−2.01	0.16	2.02	0.74	0.54	0.66	y_W=0.3598
43 BDY	0.01	−0.92	0.4	1.01	0.1	−1.93	0.14	1.94	0.64	0.46	0.58	
mean				**1.14**				**1.75**	**0.76**	**0.55**	**0.65**	
standard deviation				**0.57**				**0.22**	**0.23**	**0.16**	**0.26**	

Samples: Green (G, no. 00), Violet V (no. 10), Red (R, no. 11), Cyan (C, no. 21)
Turquois (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