

Performance (STRESS values) for Small Colour Difference data (SCD)

data set	Calculations with data for grey backgrounds (chromaticity near D65)									
	Colour difference	ΔE^*_{CIELAB}	Colour difference formula and STRESS value							
Name	Pairs	ΔE^*_{ab} range	min	max	mean	CIELAB ΔE^*_{ab} PF	CMC ΔE^*_{CM} PF	CIE94 ΔE^*_{94} PF	CIEDE2000 ΔE^*_{00} PF	LABJND ΔE^*_{85} PF
WI_0418	418	0.0 to <99.0	0.11	10.62	1.86	41.5	32.7	30.6	28.5	43.9
RD_0312	312	0.0 to <99.0	0.77	4.4	1.43	17.6	17.8	14.1	13.4	15.3
LE_0307	307	0.0 to <99.0	0.39	4.73	1.63	29.8	20.1	24.4	17.5	26.0
BF_2776	2776	0.0 to <99.0	0.03	18.2	3.0	37.2	29.6	30.8	28.4	43.1
SS_0446	446	0.0 to <99.0	0.17	7.97	3.03	32.5	24.1	23.4	22.4	30.3
WI_0418	126	0.0 to <1.0	0.11	0.99	0.62	43.6	31.8	31.6	27.9	46.6
RD_0312	48	0.0 to <1.0	0.77	0.99	0.92	3.4	14.3	7.7	12.1	13.5
LE_0307	52	0.0 to <1.0	0.39	0.99	0.79	26.7	21.2	25.9	19.4	35.4
BF_2776	546	0.0 to <1.0	0.03	0.99	0.53	51.7	43.5	44.9	43.0	54.0
SS_0446	37	0.0 to <1.0	0.17	0.96	0.71	26.8	32.9	34.3	31.8	31.4
WI_0418	274	0.0 to <2.0	0.11	1.99	1.07	43.3	31.2	30.7	27.1	45.8
RD_0312	280	0.0 to <2.0	0.77	1.94	1.31	12.2	18.0	13.3	12.8	14.9
LE_0307	232	0.0 to <2.0	0.39	1.99	1.34	28.2	20.7	25.4	18.1	28.3
BF_2776	1154	0.0 to <2.0	0.03	1.99	1.06	39.6	32.3	33.5	30.1	46.5
SS_0446	130	0.0 to <2.0	0.17	1.99	1.3	31.2	30.0	33.0	29.3	32.9
WI_0418	38	0.0 to <0.5	0.11	0.49	0.36	41.0	34.4	33.0	30.4	45.1
RD_0312	0	0.0 to <0.5	0.39	0.42	0.4	25.9	29.0	33.0	27.2	29.1
LE_0307	3	0.0 to <0.5	0.03	0.49	0.32	59.6	56.2	56.9	55.0	60.1
BF_2776	253	0.0 to <0.5	0.17	0.48	0.38	17.8	28.6	29.2	34.0	22.3
SS_0446	7	0.0 to <0.5	0.51	0.99	0.74	44.1	31.3	31.3	27.2	46.3
WI_0418	88	0.5 to <1.0	0.77	0.99	0.92	3.4	14.3	7.7	12.1	13.5
RD_0312	48	0.5 to <1.0	0.52	0.99	0.81	26.6	21.0	25.7	19.2	35.3
LE_0307	49	0.5 to <1.0	0.5	0.99	0.72	48.5	39.1	40.8	39.0	49.0
BF_2776	293	0.5 to <1.0	0.57	0.96	0.79	25.2	30.6	31.9	28.3	31.9
SS_0446	30	0.5 to <1.0	1.01	1.49	1.26	43.8	31.9	31.3	28.4	45.0
WI_0418	91	1.0 to <1.5	1.0	1.49	1.23	6.5	18.9	11.7	12.6	15.1
RD_0312	148	1.0 to <1.5	1.0	1.49	1.25	27.2	20.9	22.8	17.6	29.7
LE_0307	89	1.0 to <1.5	1.0	1.49	1.26	38.2	29.5	31.8	27.9	42.4
BF_2776	266	1.0 to <1.5	1.0	1.49	1.26	33.2	27.0	30.0	27.2	35.4
SS_0446	41	1.0 to <1.5	1.51	1.99	1.74	42.5	29.8	29.2	24.7	43.6
WI_0418	57	1.5 to <2.0	1.5	1.94	1.67	3.6	15.1	13.4	11.4	15.0
RD_0312	84	1.5 to <2.0	1.5	1.99	1.75	24.7	18.5	23.0	15.5	22.6
LE_0307	91	1.5 to <2.0	1.5	1.99	1.75	33.0	28.6	29.4	25.6	36.4
BF_2776	342	1.5 to <2.0	1.5	1.99	1.74	24.2	24.3	26.2	22.8	28.7
SS_0446	52	1.5 to <2.0								

Data sets: WI=WITT, RD=RIT-DUPONT, LE=LEEDS, BF=BFD-P, SS=BIGC-S-SG

TUB-test chart WE26; Colour differences and formulae input: w/rgb/cmyk -> (w/rgb/cmyk)
SCD datasets: WI, RD, LE, BF, SS, ΔE^* ranges of CIELAB, all colours of 418