

Colour-difference data sets and performance (STRESS values)

Data set	Calculations with data for grey surround near D65 and 1,2 < Y < 90								
	Difference ΔE^*_{DE2000}				Colour difference formula				
all ΔE^*	Pairs	Min	Mean	Max	CIELAB	CIE DE2000	CIE94	CMC	LABJND
Witt	418	0.08	1.09	3.75	51.7	33.7	31.7	39.6	55.2
RIT-DuPont	312	0.61	0.99	1.96	33.4	20.5	20.3	31.8	38.3
Leeds	307	0.3	1.12	2.73	40.1	21.5	30.5	28.4	45.1
BFD.01	2776	0.02	11.56	1.79	42.4	31.1	33.8	32.8	53.0
Richter	258	0.05	0.56	1.6	60.9	51.0	45.4	47.9	30.9
Kittelmann	392	0.1	0.31	1.55	57.2	50.4	49.9	57.5	48.7
$\Delta E^*_{CIELAB} < 2$	Pairs	Min	Mean	Max	CIELAB	CIE DE2000	CIE94	CMC	LABJND
Witt	274	0.08	0.8	2.82	45.4	30.0	30.5	36.2	57.2
RIT-DuPont	280	0.61	0.97	1.96	21.7	19.1	19.1	32.8	37.0
Leeds	232	0.3	1.04	1.8	34.0	18.7	29.8	28.8	46.5
BFD.01	1152	0.02	0.79	2.58	38.0	30.2	33.9	35.9	56.8
Richter	233	0.05	0.53	1.6	48.3	53.1	45.8	48.7	31.3
Kittelmann	391	0.1	0.31	1.55	55.9	50.5	50.0	57.6	48.7
$\Delta E^*_{DE2000} < 2$	Pairs	Min	Mean	Max	CIELAB	CIE DE2000	CIE94	CMC	LABJND
Witt	382	0.08	0.96	1.99	50.8	33.8	32.2	40.0	54.1
RIT-DuPont	312	0.61	0.99	1.96	33.4	20.5	20.3	31.8	38.3
Leeds	300	0.3	1.09	1.99	39.3	19.6	30.7	27.9	45.7
BFD.01	1823	0.02	1.04	1.99	43.1	28.1	31.5	32.3	52.1
Richter	258	0.05	0.56	1.6	60.9	51.0	45.4	47.9	30.9
Kittelmann	392	0.1	0.31	1.55	57.2	50.4	49.9	57.5	48.7