Farbabstands-Datensätze und Güte (STRESS−Daten)

Daten-satz	Berechnungen mit Daten für graues Umfeld (D65, P40) und 0,1 < *Y* < 190 Farbabstand ΔE^*_{CIELAB} Farbabstandsformel								
alle ΔE^*	Paare	Min	Mittel	Max	CIELAB	CIE DE2000	CIE94	CMC	LABJND
Witt	418	0.11	1.86	10.62	51.7	33.7	31.7	39.6	55.2
RIT-DuPont	312	0.77	1.43	4.4	33.4	20.5	20.3	31.8	38.3
Leeds	307	0.39	1.63	4.73	40.1	21.5	30.5	28.4	45.1
BFD.01	2776	0.03	3.0	18.18	42.4	31.1	33.8	32.8	53.0
Richter	330	0.05	0.9	4.85	61.0	52.6	47.8	50.1	30.2
Kittelmann	392	0.09	0.41	2.09	57.2	50.4	49.9	57.5	48.7
ΔE^*_{CIELAB}<2	Paare	Min	Mittel	Max	CIELAB	CIE DE2000	CIE94	CMC	LABJND
Witt	274	0.11	1.07	1.99	45.4	30.0	30.5	36.2	57.2
RIT-DuPont	280	0.61	0.99	1.96	21.7	19.1	19.1	32.8	37.0
Leeds	232	0.39	1.34	1.99	34.0	18.7	29.8	28.8	46.5
BFD.01	1152	0.03	1.06	1.99	38.0	30.2	33.9	35.9	56.8
Richter	305	0.05	0.74	1.89	49.2	54.3	49.0	51.4	30.2
Kittelmann	391	0.09	0.41	1.76	55.9	50.5	50.0	57.6	48.7
ΔE^*_{DE2000}<2	Paare	Min	Mittel	Max	CIELAB	CIE DE2000	CIE94	CMC	LABJND
Witt	382	0.11	1.66	5.72	50.8	33.8	32.2	40.0	54.1
RIT-DuPont	312	0.77	1.43	4.4	33.4	20.5	20.3	31.8	38.3
Leeds	300	0.39	1.58	3.67	39.3	19.6	30.7	27.9	45.7
BFD.01	1823	0.03	1.81	7.84	43.1	28.1	31.5	32.3	52.1
Richter	330	0.05	0.9	4.85	61.0	52.6	47.8	50.1	30.2
Kittelmann	392	0.09	0.41	2.09	57.2	50.4	49.9	57.5	48.7

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Farbdifferenzen: gerade unterscheibare Schwellen, *siehe Richter (1985/87)*

Farb-Serie Nummer	Farbdifferenz ISO 11644−4 (CIELAB)				Farbdifferenz LABJND 1985				Farbdifferenz LABJND 1987			
	ΔL^*	Δa^*	Δb^*	ΔE^*_{ab}	ΔT^*_L	ΔT^*_a	ΔT^*_b	ΔE^*_{ab}	ΔT^*_L	ΔT^*_a	ΔT^*_b	ΔE^*_{ab}
WPN_01	0.28				1.0				0.92			
WPN_02	0.19				0.91				0.85			
WPN_03	0.14				0.83				0.79			
WPN_04	0.12				0.83				0.8			
WPN_05	0.15				1.14				1.12			
WPN_06	0.15				1.13				1.26			
WPN_07	0.19				1.41				1.11			
WPN_08	0.21				1.23				0.95			
WPN_09	0.18				0.97				0.94			
WPN_10	0.18				1.07				0.88			
WPN_11	0.18				1.11				0.98			
TDM_01	0.1				1.01				1.21			
TDM_02	0.09				0.97				1.13			
TDM_03	0.09				0.93				1.12			
TDM_04	0.1				1.04				1.15			
TDM_05	0.11				1.16				1.35			
BDY_01	0.09				0.89				1.21			
BDY_02	0.07				0.77				1.13			
BDY_03	0.08				0.8				1.12			
BDY_04	0.07				0.75				1.15			
BDY_05	0.07				0.72				1.35			

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Farbabstands-Datensätze und Güte (STRESS−Daten)

Daten-satz	Berechnungen mit Daten für graues Umfeld nahe D65 und 1,2 < *Y* < 90 Farbabstand ΔE^*_{DE2000} Farbabstandsformel								
alle ΔE^*	Paare	Min	Mittel	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
ΔE^*_{CIELAB}<2	Paare	Min	Mittel	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
ΔE^*_{DE2000}<2	Paare	Min	Mittel	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

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Farbdifferenzen: gerade unterscheibare Schwellen, *siehe Richter (1985/87)*

Farb-Serie Nummer	Farbdifferenz ISO 11644−4 (CIELAB)				Farbdifferenz LABJND 1985				Farbdifferenz LABJND 1987			
	ΔL*	Δa*	Δb*	ΔE^*_{ab}	ΔT^*_L	ΔT^*_a	ΔT^*_b	ΔE^*_{ab}	ΔT^*_L	ΔT^*_a	ΔT^*_b	ΔE^*_{ab}
WPN_01	0.28	1.12	1.74	0.28	0.9978	0.7992	0.1657		0.362	0.1141	0.0769	
WPN_02	0.19	0.89	1.15	0.19	0.9148	1.5233	1.7302		0.3348	0.1848	0.0717	
WPN_03	0.14	0.75	1.01	0.14	0.8313	1.3836	1.6628		0.3091	0.1936	0.0784	
WPN_04	0.12	0.71	0.94	0.12	0.834	0.8104	0.856		0.0	0.0003	0.0001	
WPN_05	0.15	0.62	1.07	0.15	1.1379	0.0281	0.3006		0.4276	0.2118	0.1011	
WPN_06	0.14	0.65	1.3	0.14	1.1326	0.5935	1.268		0.4169	0.2269	0.118	
WPN_07	0.19	0.67	0.96	0.19	1.4129	1.598	2.2164		0.5131	0.2251	0.1011	
WPN_08	0.21	0.83	1.12	0.21	1.2282	1.2935	1.9264		0.4327	0.2288	0.0988	
WPN_09	0.18	0.81	0.56	0.22	0.9683	0.9737	1.3324		0.3352	0.2162	0.0956	
WPN_10	0.18	0.7	0.41	0.36	1.0672	0.7837	0.8257		0.3654	0.0951	0.0357	
WPN_11	0.18	0.59	0.37	0.52	1.1119	0.5649	0.6309		0.3788	0.037	0.0147	
TDM_01	0.09	3.6	0.51	0.09	1.0096	44.968	424.6181		0.2559	0.248	0.1042	
TDM_02	0.09	1.69	0.45	0.09	0.969	24.397	111.5496		0.2458	0.2757	0.0869	
TDM_03	0.08	0.79	0.48	0.08	0.9288	1.2809	1.411		0.2358	0.0003	0.0001	
TDM_04	0.1	1.1	0.62	0.1	1.038	58.011	927.9982		0.2636	0.184	0.1253	
TDM_05	0.11	1.1	0.73	0.11	1.155	65.777	738.672		0.2935	0.1709	0.1514	
BDY_01	0.08	0.94	0.35	0.08	0.8935	5.7657	45.6462		0.227	0.2477	0.0759	
BDY_02	0.07	0.8	0.42	0.07	0.7673	2.7924	22.4532		0.195	0.2242	0.083	
BDY_03	0.07	0.7	0.45	0.07	0.7994	0.9407	0.173		0.203	0.1099	0.08	
BDY_04	0.07	0.86	1.22	0.07	0.7503	5.0373	41.7202		0.0634	0.2339	0.0767	
BDY_05	0.07	0.93	5.83	0.07	0.7244	6.6512	52.8393		0.1839	0.2465	0.0841	

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