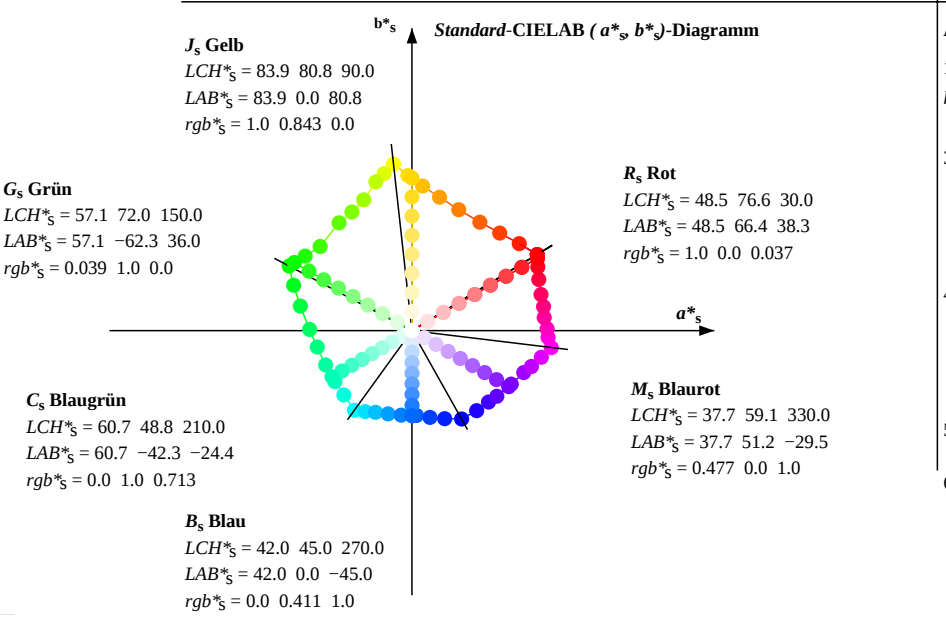
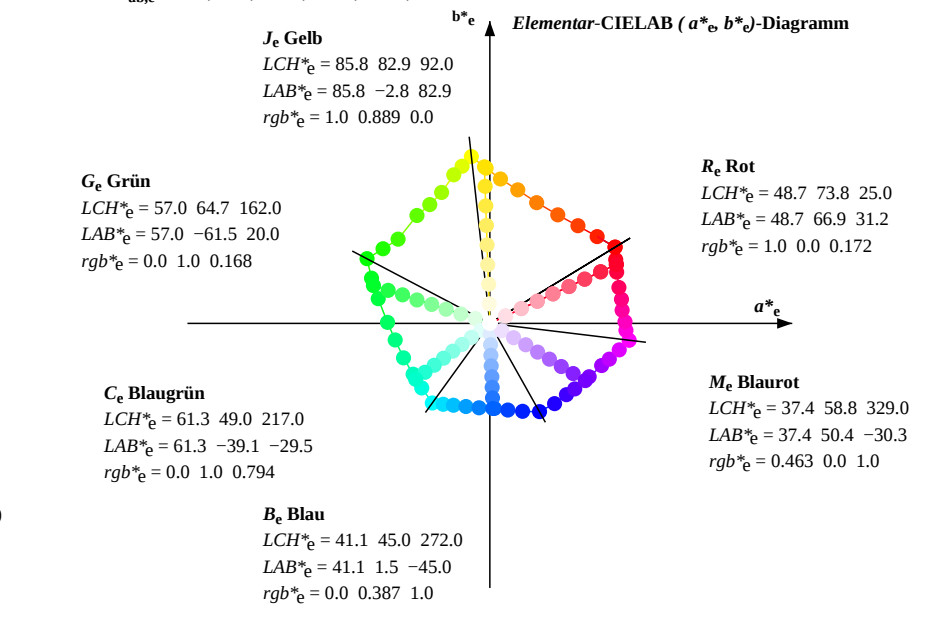
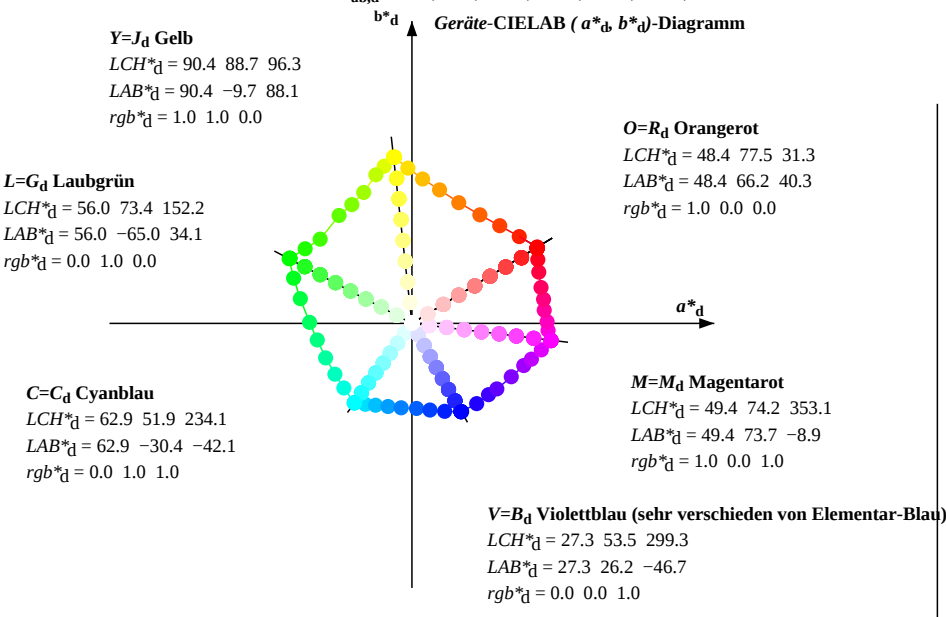


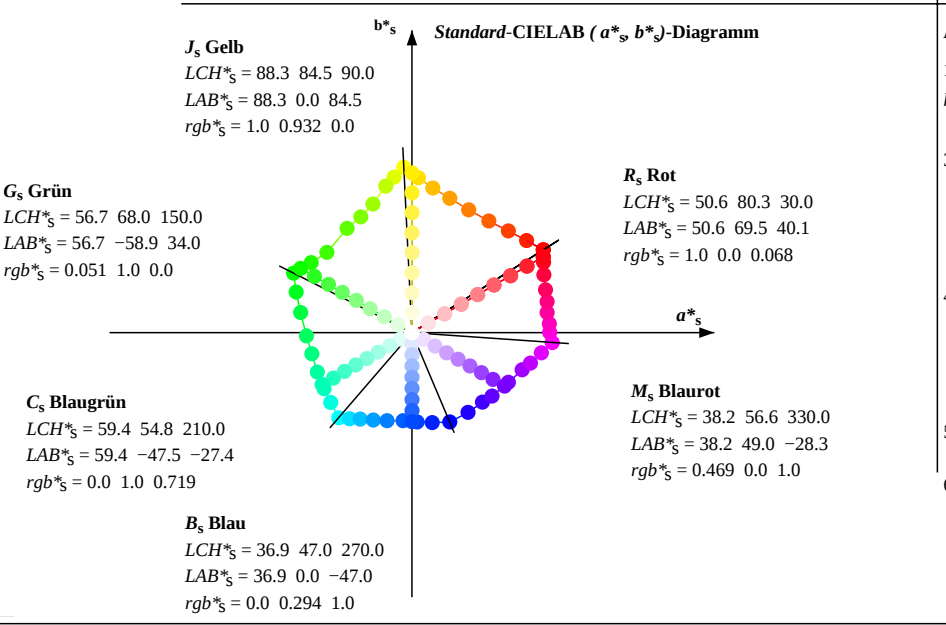
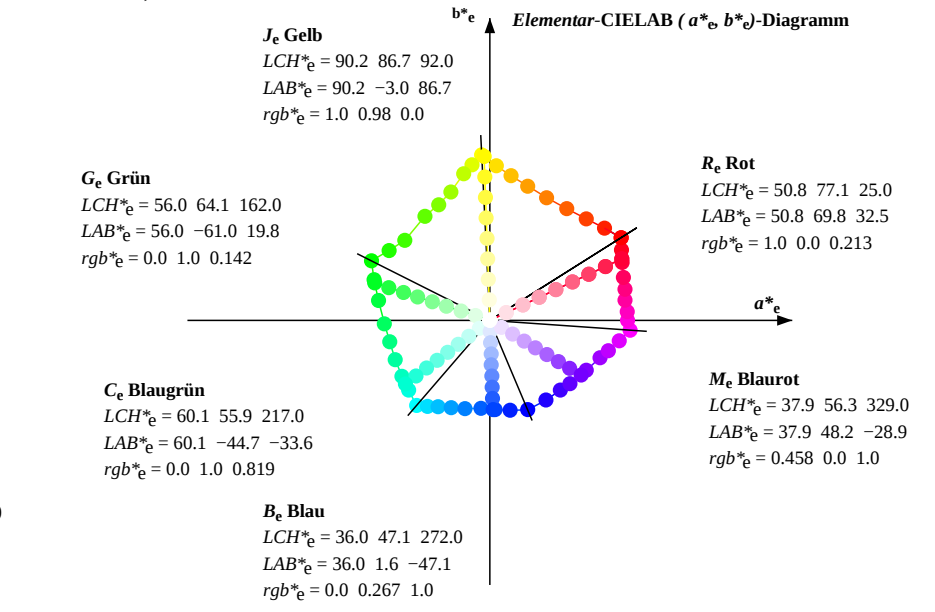
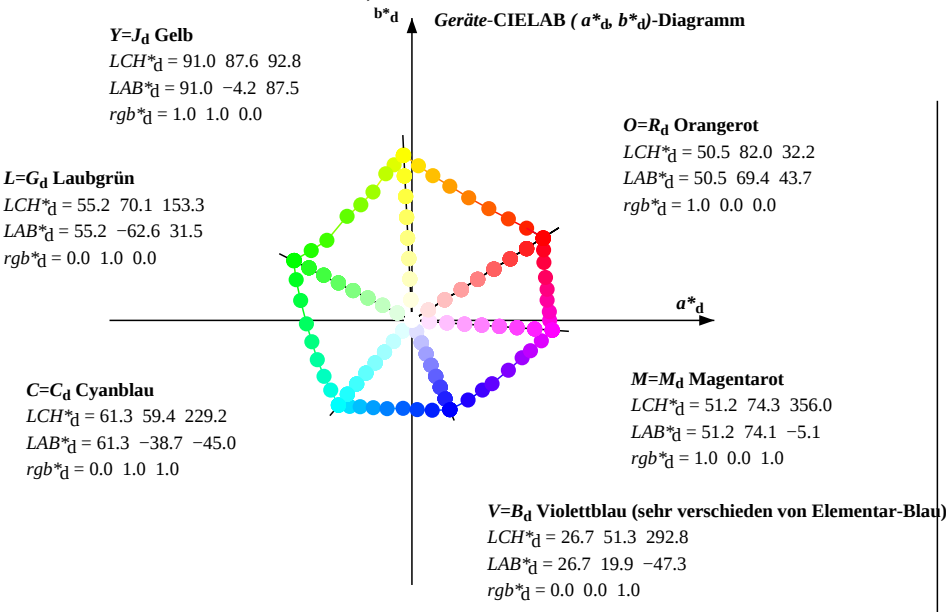


Anmerkung zu den CIELAB-Buntheits-Diagrammen (a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

- Für die rgb^*_d -Eingabedaten wurden die CIELAB-Daten LCH^*_d und LAB^*_d gemessen.
 $h_{ab,s} \ rgb^*_d$
 $h_{ab,s} = atan [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)]$ (1)
- Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel $h_{ab,s}$ der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s: $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$) (2)
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$) (3)
- Für die 48 oder 360 Elementar-Bunttonwinkel $h_{ab,e}$ der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e: $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$) (4)
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$) (5)
- Für jeden Elementar-Bunttonwinkel $h_{ab,e}$ gibt es einen genau definierten Geräte-Bunttonwinkel $h_{ab,d}$ siehe die folgenden Tabellen, Spalten 1 bis 3.
- Die Werte rgb^*_{de} erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

Daten der Maximalfarbe M im Farbmetrik-System Offsetdruck ORS42_18_96; Separation cmyn6*, D65 und D50 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Sechs Bunttonwinkel der Gerätefarben d: $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Sechs Bunttonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																																													
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{ab}d50M$					$LAB^*_{ab}d50Mx(x=LabCh)$					$rgb^*_{ab}ds50M$					$LAB^*_{ab}ds50Mx(x=LabCh)$					$rgb^*_{ab}s50M$					$rgb^*_{ab}de50M$					$LAB^*_{ab}de50Mx(x=LabCh)$					$rgb^*_{ab}e50M$					$rgb^*_{ab}d$	$rgb^*_{ab}s$	$rgb^*_{ab}e$
31.3	30.0	25.5	1.0	0.0	0.0	48.4	66.3	40.3	77.6	31.3	1.0	0.0	0.037	48.5	66.4	38.3	76.7	30	1.0	0.0	0.0	1.0	0.0	0.172	48.8	66.9	31.2	73.8	25	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	
39.0	37.5	33.8	1.0	0.125	0.0	52.8	56.8	46.0	73.1	39.0	1.0	0.109	0.0	52.2	58.0	45.3	73.6	38	1.0	0.125	0.0	1.0	0.044	0.0	50.0	63.0	42.5	76.0	34	1.0	0.125	0.0	1.0	0.125	0.0	1.0	0.125	0.0	1.0	0.125	0.0	1.0	0.125	0.0	
47.9	45.0	42.2	1.0	0.25	0.0	57.6	46.6	51.6	69.5	47.9	1.0	0.209	0.0	56.0	50.0	50.0	70.7	45	1.0	0.25	0.0	1.0	0.167	0.0	54.4	53.4	48.1	71.9	42	1.0	0.25	0.0	1.0	0.25	0.0	1.0	0.25	0.0	1.0	0.25	0.0	1.0	0.25	0.0	
58.0	52.5	50.5	1.0	0.375	0.0	63.0	35.8	57.5	67.7	58.0	1.0	0.313	0.0	60.3	41.3	54.8	68.6	53	1.0	0.375	0.0	1.0	0.288	0.0	59.3	43.4	53.6	69.0	51	1.0	0.375	0.0	1.0	0.375	0.0	1.0	0.375	0.0	1.0	0.375	0.0	1.0	0.375	0.0	
68.8	60.0	58.9	1.0	0.5	0.0	68.8	24.8	64.0	68.6	68.8	1.0	0.398	0.0	64.0	33.9	58.8	67.9	60	1.0	0.5	0.0	1.0	0.386	0.0	63.5	34.9	58.1	67.8	59	1.0	0.5	0.0	1.0	0.5	0.0	1.0	0.5	0.0	1.0	0.5	0.0	1.0	0.5	0.0	
78.2	67.5	67.2	1.0	0.625	0.0	74.6	14.7	70.6	72.1	78.2	1.0	0.491	0.0	68.4	25.7	63.6	68.6	68	1.0	0.625	0.0	1.0	0.479	0.0	67.9	26.8	63.0	68.5	67	1.0	0.625	0.0	1.0	0.625	0.0	1.0	0.625	0.0	1.0	0.625	0.0	1.0	0.625	0.0	
85.8	75.0	75.6	1.0	0.75	0.0	80.2	5.7	76.5	76.7	85.8	1.0	0.582	0.0	72.6	18.4	68.5	70.9	75	1.0	0.75	0.0	1.0	0.595	0.0	73.3	17.2	69.2	71.3	76	1.0	0.75	0.0	1.0	0.75	0.0	1.0	0.75	0.0	1.0	0.75	0.0	1.0	0.75	0.0	
91.5	82.5	84.0	1.0	0.875	0.0	85.2	-2.0	82.2	82.2	91.5	1.0	0.704	0.0	78.2	9.1	74.4	75.0	83	1.0	0.875	0.0	1.0	0.721	0.0	78.9	7.9	75.2	75.6	84	1.0	0.875	0.0	1.0	0.875	0.0	1.0	0.875	0.0	1.0	0.875	0.0	1.0	0.875	0.0	
96.3	90.0	92.3	1.0	1.0	0.0	90.4	-9.7	88.2	88.7	96.3	1.0	0.843	0.0	84.0	0.0	80.8	80.8	90	1.0	1.0	0.0	1.0	0.889	0.0	85.8	-2.8	82.9	83.0	92	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	
100.0	97.5	101.1	0.875	1.0	0.0	86.5	-14.6	83.2	84.4	100.0	0.943	1.0	0.0	88.7	-12.0	85.9	86.8	98	0.875	1.0	0.0	0.84	1.0	0.0	85.5	-15.8	81.9	83.5	101	0.875	1.0	0.0	0.84	1.0	0.0	0.84	1.0	0.0	0.84	1.0	0.0	0.84	1.0	0.0	
103.6	105.0	109.8	0.75	1.0	0.0	82.8	-18.9	78.7	80.9	103.6	0.724	1.0	0.0	81.8	-20.5	76.7	79.4	105	0.75	1.0	0.0	0.629	1.0	0.0	78.1	-25.3	69.7	74.1	110	0.75	1.0	0.0	0.629	1.0	0.0	0.629	1.0	0.0	0.629	1.0	0.0	0.629	1.0	0.0	
110.2	112.5	118.5	0.625	1.0	0.0	77.9	-25.4	69.3	73.9	110.2	0.572	1.0	0.0	76.1	-28.2	66.7	72.4	113	0.625	1.0	0.0	0.463	1.0	0.0	72.1	-33.8	61.2	69.9	119	0.625	1.0	0.0	0.463	1.0	0.0	0.463	1.0	0.0	0.463	1.0	0.0	0.463	1.0	0.0	
116.8	120.0	127.3	0.5	1.0	0.0	73.5	-31.7	62.8	70.4	116.8	0.446	1.0	0.0	71.5	-34.8	60.4	69.7	120	0.5	1.0	0.0	0.348	1.0	0.0	67.6	-41.0	54.5	68.2	127	0.5	1.0	0.0	0.348	1.0	0.0	0.348	1.0	0.0	0.348	1.0	0.0	0.348	1.0	0.0	
124.1	127.5	136.0	0.375	1.0	0.0	68.9	-38.6	57.0	68.9	124.1	0.339	1.0	0.0	67.1	-41.8	53.6	68.0	128	0.375	1.0	0.0	0.263	1.0	0.0	63.5	-47.5	46.0	66.2	136	0.375	1.0	0.0	0.263	1.0	0.0	0.263	1.0	0.0	0.263	1.0	0.0	0.263	1.0	0.0	
137.4	135.0	144.7	0.25	1.0	0.0	62.9	-48.4	44.6	65.9	137.4	0.273	1.0	0.0	63.9	-46.9	47.0	66.4	135	0.25	1.0	0.0	0.126	1.0	0.0	59.6	-56.3	39.5	68.8	145	0.25	1.0	0.0	0.126	1.0	0.0	0.126	1.0	0.0	0.126	1.0	0.0	0.126	1.0	0.0	
145.0	142.5	153.5	0.125	1.0	0.0	59.6	-56.3	39.4	68.8	145.0	0.159	1.0	0.0	60.5	-54.3	41.0	68.1	143	0.125	1.0	0.0	0.0	1.0	0.014	56.1	-64.7	33.0	72.8	153	0.125	1.0	0.0	0.0	1.0	0.014	56.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
152.3	150.0	162.2	0.0	1.0	0.0	56.0	-64.9	34.2	73.5	152.3	0.039	1.0	0.0	57.1	-62.3	36.0	72.0	150	0.0	1.0	0.0	0.0	1.0	0.168	57.1	-61.5	20.0	64.8	162	0.0	1.0	0.0	0.0	1.0	0.168	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
159.1	157.5	169.1	0.0	1.0	0.125	56.8	-62.5	24.0	67.0	159.1	0.0	1.0	0.106	56.6	-63.0	25.5	68.0	158	0.0	1.0	0.125	0.0	1.0	0.265	57.8	-58.5	11.4	59.7	169	0.0	1.0	0.125	0.0	1.0	0.265	57.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
167.6	165.0	175.9	0.0	1.0	0.25	57.6	-59.0	13.0	60.5	167.6	0.0	1.0	0.212	57.4	-60.2	16.2	62.5	165	0.0	1.0	0.25	0.0	1.0	0.34	58.4	-55.7	3.9	56.0	176	0.0	1.0	0.25	0.0	1.0	0.34	58.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
179.3	172.5	182.8	0.0	1.0	0.375	58.7	-54.1	0.7	54.2	179.3	0.0	1.0	0.308	58.1	-57.1	7.0	57.6	173	0.0	1.0	0.375	0.0	1.0	0.419	59.0	-52.9	-2.7	53.1	183	0.0	1.0	0.375	0.0	1.0	0.419	59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
189.9	180.0	189.6	0.0	1.0	0.5	59.5	-50.0	-8.6	50.9	189.9	0.0	1.0	0.383	58.7	-53.9	0.0	54.0	180	0.0	1.0	0.5	0.0	1.0	0.501	59.5	-50.0	-8.7	50.9	190	0.0	1.0	0.5	0.0	1.0	0.501	59.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
201.7	187.5	196.4	0.0	1.0	0.625	60.1	-45.5	-18.1	49.1	201.7	0.0	1.0	0.478	59.4	-50.9	-7.1	51.5	188	0.0	1.0	0.625	0.0	1.0	0.564	59.8	-47.9	-13.7	50.0	196	0.0	1.0	0.625	0.0	1.0	0.564	59.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
213.5	195.0	203.3	0.0	1.0	0.75	61.0	-40.6	-26.8	48.8	213.5	0.0	1.0	0.554	59.8	-48.3	-12.9	50.1	195	0.0	1.0	0.75	0.0	1.0	0.639	60.2	-45.1	-19.1	49.1	203	0.0	1.0	0.75	0.0	1.0	0.639	60.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
223.5	202.5	210.1	0.0	1.0	0.875	62.0	-35.9	-34.0	49.6	223.5	0.0	1.0	0.639	60.2	-45.1	-19.1	49.1	203	0.0	1.0	0.875	0.0	1.0	0.713	60.7	-42.2	-24.3	48.9	210	0.0	1.0	0.875	0.0	1.0	0.713	60.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
234.1	210.0	217.0	0.0	1.0	1.0	62.9	-30.3	-42.0	52.0	234.1	0.0	1.0	0.713	60.7	-42.2	-24.3	48.9	210	0.0	1.0	1.0	0.0	0.0	1.0	0.794	61.4	-39.1	-29.4	49.1	217	0.0	1.0	1.0	0.0	1.0	0.794	61.4	0.0	0.0	0.0	0.0	0.0	0.0		
240.0	217.5	223.8	0.0	0.875	1.0	58.8	-24.6	-42.8	49.5	240.0	0.0	1.0	0.806																																

Daten der Maximalfarbe M im Farbmatrik-System Offsetdruck ORS42_18_96; Separation cmyn6*, D65 und D50 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s: h _{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Sechs Bunttonwinkel der Gerätefarben d: h _{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1; Sechs Bunttonwinkel der Elementarfarben e: h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																																								
h _{ab,d}		h _{ab,s}		h _{ab,e}		rgb* _{dd} 361Mi				LAB* _{dd} 361Mix (x=LabCh)				rgb* _{ds} 361Mi				LAB* _{ds} 361Mix (x=LabCh)				rgb* _{s50M}				rgb* _{de} 361Mi				LAB* _{de} 361Mix (x=LabCh)				rgb* _{e50M}				rgb* _{dd} rgb* _{ds} rgb* _{de}		
76	75	76	1.0	0.595	0.0	73.3	17.2	69.2	71.3	76	1.0	0.582	0.0	72.6	18.4	68.5	70.9	75	1.0	0.75	0.0	1.0	0.595	0.0	73.3	17.2	69.2	71.3	76	1.0	0.75	0.0								
77	76	77	1.0	0.609	0.0	73.9	16.1	69.8	71.7	77	1.0	0.595	0.0	73.3	17.2	69.2	71.3	76	1.0	0.767	0.0	1.0	0.609	0.0	73.9	16.1	69.8	71.7	77	1.0	0.767	0.0								
78	77	78	1.0	0.622	0.0	74.5	15.0	70.5	72.0	78	1.0	0.609	0.0	73.9	16.1	69.8	71.7	77	1.0	0.783	0.0	1.0	0.622	0.0	74.5	15.0	70.5	72.0	78	1.0	0.783	0.0								
79	78	79	1.0	0.638	0.0	75.2	13.8	71.2	72.6	79	1.0	0.622	0.0	74.5	15.0	70.5	72.0	78	1.0	0.8	0.0	1.0	0.638	0.0	75.2	13.8	71.2	72.6	79	1.0	0.8	0.0								
80	79	80	1.0	0.654	0.0	75.9	12.7	72.1	73.2	80	1.0	0.638	0.0	75.2	13.8	71.2	72.6	79	1.0	0.817	0.0	1.0	0.654	0.0	75.9	12.7	72.1	73.2	80	1.0	0.817	0.0								
81	80	81	1.0	0.671	0.0	76.7	11.5	72.9	73.8	81	1.0	0.654	0.0	75.9	12.7	72.1	73.2	80	1.0	0.833	0.0	1.0	0.671	0.0	76.7	11.5	72.9	73.8	81	1.0	0.833	0.0								
82	81	82	1.0	0.687	0.0	77.4	10.4	73.7	74.4	82	1.0	0.671	0.0	76.7	11.5	72.9	73.8	81	1.0	0.85	0.0	1.0	0.687	0.0	77.4	10.4	73.7	74.4	82	1.0	0.85	0.0								
83	82	83	1.0	0.704	0.0	78.2	9.1	74.4	75.0	83	1.0	0.687	0.0	77.4	10.4	73.7	74.4	82	1.0	0.867	0.0	1.0	0.704	0.0	78.2	9.1	74.4	75.0	83	1.0	0.867	0.0								
84	83	85	1.0	0.721	0.0	78.9	7.9	75.2	75.6	84	1.0	0.704	0.0	78.2	9.1	74.4	75.0	83	1.0	0.883	0.0	1.0	0.737	0.0	79.6	6.6	75.9	76.2	85	1.0	0.883	0.0								
85	84	86	1.0	0.737	0.0	79.6	6.6	75.9	76.2	85	1.0	0.721	0.0	78.9	7.9	75.2	75.6	84	1.0	0.9	0.0	1.0	0.755	0.0	80.4	5.4	76.7	76.9	86	1.0	0.9	0.0								
86	85	87	1.0	0.755	0.0	80.4	5.4	76.7	76.9	86	1.0	0.737	0.0	79.6	6.6	75.9	76.2	85	1.0	0.917	0.0	1.0	0.777	0.0	81.3	4.1	77.8	77.9	87	1.0	0.917	0.0								
87	86	88	1.0	0.777	0.0	81.3	4.1	77.8	77.9	87	1.0	0.755	0.0	80.4	5.4	76.7	76.9	86	1.0	0.933	0.0	1.0	0.799	0.0	82.2	2.8	78.8	78.9	88	1.0	0.933	0.0								
88	87	89	1.0	0.799	0.0	82.2	2.8	78.8	78.9	88	1.0	0.777	0.0	81.3	4.1	77.8	77.9	87	1.0	0.95	0.0	1.0	0.821	0.0	83.1	1.4	79.8	79.8	89	1.0	0.95	0.0								
89	88	90	1.0	0.821	0.0	83.1	1.4	79.8	79.8	89	1.0	0.799	0.0	82.2	2.8	78.8	78.9	88	1.0	0.967	0.0	1.0	0.843	0.0	84.0	0.0	80.8	80.8	90	1.0	0.967	0.0								
90	89	91	1.0	0.843	0.0	84.0	0.0	80.8	80.8	90	1.0	0.821	0.0	83.1	1.4	79.8	79.8	89	1.0	0.983	0.0	1.0	0.865	0.0	84.8	-1.3	81.8	81.8	91	1.0	0.983	0.0								
91	90	92	1.0	0.865	0.0	84.8	-1.3	81.8	81.8	91	1.0	0.843	0.0	84.0	0.0	80.8	80.8	90	1.0	1.0	0.0	1.0	0.889	0.0	85.8	-2.8	82.9	83.0	92	1.0	1.0	0.0								
92	91	93	1.0	0.889	0.0	85.8	-2.8	82.9	83.0	92	1.0	0.865	0.0	84.8	-1.3	81.8	81.8	91	0.983	1.0	0.0	1.0	0.915	0.0	86.9	-4.3	84.2	84.3	93	0.983	1.0	0.0								
93	92	95	1.0	0.915	0.0	86.9	-4.3	84.2	84.3	93	1.0	0.889	0.0	85.8	-2.8	82.9	83.0	92	0.967	1.0	0.0	1.0	0.966	0.0	89.0	-7.5	86.6	87.0	95	0.967	1.0	0.0								
94	93	96	1.0	0.94	0.0	88.0	-5.9	85.4	85.6	94	1.0	0.915	0.0	86.9	-4.3	84.2	84.3	93	0.95	1.0	0.0	1.0	0.992	0.0	90.1	-9.1	87.8	88.3	96	0.95	1.0	0.0								
95	94	97	1.0	0.966	0.0	89.0	-7.5	86.6	87.0	95	1.0	0.94	0.0	88.0	-5.9	85.4	85.6	94	0.933	1.0	0.0	1.0	0.977	1.0	0.0	89.7	-10.6	87.3	87.9	97	0.933	1.0	0.0							
96	95	98	1.0	0.992	0.0	90.1	-9.1	87.8	88.3	96	1.0	0.966	0.0	89.0	-7.5	86.6	87.0	95	0.917	1.0	0.0	1.0	0.943	1.0	0.0	88.7	-12.0	85.9	86.8	98	0.917	1.0	0.0							
97	96	99	0.977	1.0	0.0	89.7	-10.6	87.3	87.9	97	1.0	0.992	0.0	90.1	-9.1	87.8	88.3	96	0.9	1.0	0.0	1.0	0.909	1.0	0.0	87.6	-13.3	84.6	85.6	99	0.9	1.0	0.0							
98	97	100	0.943	1.0	0.0	88.7	-12.0	85.9	86.8	98	0.977	1.0	0.0	89.7	-10.6	87.3	87.9	97	0.883	1.0	0.0	1.0	0.875	1.0	0.0	86.5	-14.6	83.2	84.4	100	0.883	1.0	0.0							
99	98	102	0.909	1.0	0.0	87.6	-13.3	84.6	85.6	99	0.943	1.0	0.0	88.7	-12.0	85.9	86.8	98	0.867	1.0	0.0	1.0	0.806	1.0	0.0	84.5	-17.1	80.7	82.5	102	0.867	1.0	0.0							
100	99	103	0.875	1.0	0.0	86.5	-14.6	83.2	84.4	100	0.909	1.0	0.0	87.6	-13.3	84.6	85.6	99	0.85	1.0	0.0	1.0	0.771	1.0	0.0	83.4	-18.2	79.4	81.5	103	0.85	1.0	0.0							
101	100	104	0.84	1.0	0.0	85.5	-15.8	81.9	83.5	101	0.875	1.0	0.0	86.5	-14.6	83.2	84.4	100	0.833	1.0	0.0	1.0	0.743	1.0	0.0	82.5	-19.4	78.1	80.5	104	0.833	1.0	0.0							
102	101	105	0.806	1.0	0.0	84.5	-17.1	80.7	82.5	102	0.84	1.0	0.0	85.5	-15.8	81.9	83.5	101	0.817	1.0	0.0	1.0	0.724	1.0	0.0	81.8	-20.5	76.7	79.4	105	0.817	1.0	0.0							
103	102	106	0.771	1.0	0.0	83.4	-18.2	79.4	81.5	103	0.806	1.0	0.0	84.5	-17.1	80.7	82.5	102	0.8	1.0	0.0	1.0	0.705	1.0	0.0	81.0	-21.5	75.3	78.4	106	0.8	1.0	0.0							
104	103	107	0.743	1.0	0.0	82.5	-19.4	78.1	80.5	104	0.771	1.0	0.0	83.4	-18.2	79.4	81.5	103	0.783	1.0	0.0	1.0	0.686	1.0	0.0	80.3	-22.5	73.9	77.3	107	0.783	1.0	0.0							
105	104	109	0.724	1.0	0.0	81.8	-20.5	76.7	79.4	105	0.743	1.0	0.0	82.5	-19.4	78.1	80.5	104	0.767	1.0	0.0	1.0	0.648	1.0	0.0	78.8	-24.4	71.1	75.2	109	0.767	1.0	0.0							
106	105	110	0.705	1.0	0.0	81.0	-21.5	75.3	78.4	106	0.724	1.0	0.0	81.8	-20.5	76.7	79.4	105	0.75	1.0	0.0	1.0	0.629	1.0	0.0	78.1	-25.3	69.7	74.1	110	0.75	1.0	0.0							
107	106	111	0.686	1.0	0.0	80.3	-22.5	73.9	77.3																															



Anmerkung zu den CIELAB-Buntheits-Diagrammen (a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

- Für die rgb^*_d -Eingabedaten wurden die CIELAB-Daten LCH^*_d und LAB^*_d gemessen.
 $h_{ab,s} \ rgb^*_d$
 $h_{ab,s} = atan [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)]$ (1)
- Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel $h_{ab,s}$ der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s: $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$) (2)
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$) (3)
- Für die 48 oder 360 Elementar-Bunttonwinkel $h_{ab,e}$ der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e: $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$) (4)
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60$ ($i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$) (5)
- Für jeden Elementar-Bunttonwinkel $h_{ab,e}$ gibt es einen genau definierten Geräte-Bunttonwinkel $h_{ab,d}$ siehe die folgenden Tabellen, Spalten 1 bis 3.
- Die Werte rgb^*_de erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

Daten der Maximalfarbe M im Farbmatrik-System Offsetdruck ORS42_18_96; Separation cmyn6*, D65 und D50 für Ein- oder Ausgabe; Sechs Buntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Sechs Buntonwinkel der Gerätefarben d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Sechs Buntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

Daten der Maximalfarbe M im Farbmatrik-System Offsetdruck ORS42_18_96; Separation cmyn6*, D65 und D50 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s: h _{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Sechs Bunttonwinkel der Gerätefarben d: h _{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0; Sechs Bunttonwinkel der Elementarfarben e: h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																																																																					
<i>h_{ab,d}</i>	<i>h_{ab,s}</i>	<i>h_{ab,e}</i>	<i>rgb*</i> _{dd361Mi}								<i>LAB*</i> _{dd361Mix} (x=LabCh)								<i>rgb*</i> _{ds361Mi}								<i>LAB*</i> _{ds361Mix} (x=LabCh)								<i>rgb*</i> _{s50M}								<i>rgb*</i> _{de361Mi}								<i>LAB*</i> _{de361Mix} (x=LabCh)								<i>rgb*</i> _{e50M}								<i>rgb*</i> _{dd}	<i>rgb*</i> _{ds}	<i>rgb*</i> _{de}
77	75	76	1.0	0.671	0.0	77.6	16.9	73.2	75.2	77	1.0	0.638	0.0	76.2	19.2	71.7	74.2	75	1.0	0.75	0.0	1.0	0.655	0.0	76.9	18.1	72.5	74.7	76	1.0	0.75	0.0																																					
78	76	77	1.0	0.688	0.0	78.3	15.7	74.0	75.6	78	1.0	0.655	0.0	76.9	18.1	72.5	74.7	76	1.0	0.767	0.0	1.0	0.671	0.0	77.6	16.9	73.2	75.2	77	1.0	0.767	0.0																																					
79	77	78	1.0	0.705	0.0	79.1	14.5	74.7	76.1	79	1.0	0.671	0.0	77.6	16.9	73.2	75.2	77	1.0	0.783	0.0	1.0	0.688	0.0	78.3	15.7	74.0	75.6	78	1.0	0.783	0.0																																					
80	78	79	1.0	0.721	0.0	79.8	13.3	75.4	76.5	80	1.0	0.688	0.0	78.3	15.7	74.0	75.6	78	1.0	0.8	0.0	1.0	0.705	0.0	79.1	14.5	74.7	76.1	79	1.0	0.8	0.0																																					
81	79	80	1.0	0.738	0.0	80.5	12.0	76.0	77.0	81	1.0	0.705	0.0	79.1	14.5	74.7	76.1	79	1.0	0.817	0.0	1.0	0.721	0.0	79.8	13.3	75.4	76.5	80	1.0	0.817	0.0																																					
82	80	81	1.0	0.756	0.0	81.3	10.8	76.8	77.5	82	1.0	0.721	0.0	79.8	13.3	75.4	76.5	80	1.0	0.833	0.0	1.0	0.738	0.0	80.5	12.0	76.0	77.0	81	1.0	0.833	0.0																																					
83	81	82	1.0	0.777	0.0	82.1	9.5	77.7	78.3	83	1.0	0.738	0.0	80.5	12.0	76.0	77.0	81	1.0	0.85	0.0	1.0	0.756	0.0	81.3	10.8	76.8	77.5	82	1.0	0.85	0.0																																					
84	82	83	1.0	0.798	0.0	83.0	8.3	78.7	79.1	84	1.0	0.756	0.0	81.3	10.8	76.8	77.5	82	1.0	0.867	0.0	1.0	0.777	0.0	82.1	9.5	77.7	78.3	83	1.0	0.867	0.0																																					
85	83	85	1.0	0.819	0.0	83.8	7.0	79.6	79.9	85	1.0	0.777	0.0	82.1	9.5	77.7	78.3	83	1.0	0.883	0.0	1.0	0.819	0.0	83.8	7.0	79.6	79.9	85	1.0	0.883	0.0																																					
86	84	86	1.0	0.841	0.0	84.6	5.6	80.5	80.7	86	1.0	0.798	0.0	83.0	8.3	78.7	79.1	84	1.0	0.9	0.0	1.0	0.841	0.0	84.6	5.6	80.5	80.7	86	1.0	0.9	0.0																																					
87	85	87	1.0	0.862	0.0	85.5	4.3	81.4	81.5	87	1.0	0.819	0.0	83.8	7.0	79.6	79.9	85	1.0	0.917	0.0	1.0	0.862	0.0	85.5	4.3	81.4	81.5	87	1.0	0.917	0.0																																					
88	86	88	1.0	0.884	0.0	86.4	2.9	82.3	82.4	88	1.0	0.841	0.0	84.6	5.6	80.5	80.7	86	1.0	0.933	0.0	1.0	0.884	0.0	86.4	2.9	82.3	82.4	88	1.0	0.933	0.0																																					
89	87	89	1.0	0.908	0.0	87.3	1.5	83.5	83.5	89	1.0	0.862	0.0	85.5	4.3	81.4	81.5	87	1.0	0.95	0.0	1.0	0.908	0.0	87.3	1.5	83.5	83.5	89	1.0	0.95	0.0																																					
90	88	90	1.0	0.932	0.0	88.3	0.0	84.6	84.6	90	1.0	0.884	0.0	86.4	2.9	82.3	82.4	88	1.0	0.967	0.0	1.0	0.932	0.0	88.3	0.0	84.6	84.6	90	1.0	0.967	0.0																																					
91	89	91	1.0	0.956	0.0	89.3	-1.4	85.7	85.7	91	1.0	0.908	0.0	87.3	1.5	83.5	83.5	89	1.0	0.983	0.0	1.0	0.956	0.0	89.3	-1.4	85.7	85.7	91	1.0	0.983	0.0																																					
92	90	92	1.0	0.98	0.0	90.3	-2.9	86.7	86.8	92	<i>J_d</i>	1.0	0.932	0.0	88.3	0.0	84.6	84.6	90	1.0	1.0	0.0	<i>J_s</i>	1.0	0.98	0.0	90.3	-2.9	86.7	86.8	92	1.0	1.0	0.0	<i>J_e</i>																																		
93	91	93	0.994	1.0	0.0	90.9	-4.5	87.3	87.4	93		1.0	0.956	0.0	89.3	-1.4	85.7	85.7	91	0.983	1.0	0.0		0.994	1.0	0.0	90.9	-4.5	87.3	87.4	93	0.983	1.0	0.0																																			
94	92	95	0.96	1.0	0.0	89.8	-5.9	85.9	86.1	94		1.0	0.98	0.0	90.3	-2.9	86.7	86.8	92	0.967	1.0	0.0		0.926	1.0	0.0	88.7	-7.3	84.5	84.8	95	0.967	1.0	0.0																																			
95	93	96	0.926	1.0	0.0	88.7	-7.3	84.5	84.8	95		0.994	1.0	0.0	90.9	-4.5	87.3	87.4	93	0.95	1.0	0.0		0.892	1.0	0.0	87.6	-8.6	83.0	83.5	96	0.95	1.0	0.0																																			
96	94	97	0.892	1.0	0.0	87.6	-8.6	83.0	83.5	96		0.96	1.0	0.0	89.8	-5.9	85.9	86.1	94	0.933	1.0	0.0		0.858	1.0	0.0	86.5	-9.9	81.7	82.3	97	0.933	1.0	0.0																																			
97	95	98	0.858	1.0	0.0	86.5	-9.9	81.7	82.3	97		0.926	1.0	0.0	88.7	-7.3	84.5	84.8	95	0.917	1.0	0.0		0.823	1.0	0.0	85.4	-11.2	80.4	81.2	98	0.917	1.0	0.0																																			
98	96	99	0.823	1.0	0.0	85.4	-11.2	80.4	81.2	98		0.892	1.0	0.0	87.6	-8.6	83.0	83.5	96	0.9	1.0	0.0		0.789	1.0	0.0	84.4	-12.4	79.1	80.1	99	0.9	1.0	0.0																																			
99	97	100	0.789	1.0	0.0	84.4	-12.4	79.1	80.1	99		0.858	1.0	0.0	86.5	-9.9	81.7	82.3	97	0.883	1.0	0.0		0.755	1.0	0.0	83.3	-13.6	77.8	79.0	100	0.883	1.0	0.0																																			
100	98	102	0.755	1.0	0.0	83.3	-13.6	77.8	79.0	100		0.823	1.0	0.0	85.4	-11.2	80.4	81.2	98	0.867	1.0	0.0		0.716	1.0	0.0	81.8	-15.8	75.0	76.7	102	0.867	1.0	0.0																																			
101	99	103	0.734	1.0	0.0	82.5	-14.8	76.4	77.8	101		0.789	1.0	0.0	84.4	-12.4	79.1	80.1	99	0.85	1.0	0.0		0.697	1.0	0.0	81.0	-16.9	73.6	75.5	103	0.85	1.0	0.0																																			
102	100	104	0.716	1.0	0.0	81.8	-15.8	75.0	76.7	102		0.755	1.0	0.0	83.3	-13.6	77.8	79.0	100	0.833	1.0	0.0		0.679	1.0	0.0	80.3	-17.9	72.2	74.4	104	0.833	1.0	0.0																																			
103	101	105	0.697	1.0	0.0	81.0	-16.9	73.6	75.5	103		0.734	1.0	0.0	82.5	-14.8	76.4	77.8	101	0.817	1.0	0.0		0.66	1.0	0.0	79.5	-18.9	70.8	73.3	105	0.817	1.0	0.0																																			
104	102	106	0.																																																																		

Daten der Maximalfarbe M im Farbmatrik-System Offsetdruck ORS42_18_96; Separation cmyn6*, D65 und D50 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Sechs Bunttonwinkel der Gerätefarben d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Sechs Bunttonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

a,b,d			h _{ab,s}			h _{ab,e}			rgb* _{dd361Mi}			LAB* _{dd361Mix (x=LabCh)}						rgb* _{ds361Mi}			LAB* _{ds361Mix (x=LabCh)}						rgb* _{s50M}			rgb* _{de361Mi}			LAB* _{de361Mix (x=LabCh)}						rgb* _{e50M}			rgb* _{dd}			rgb* _{ds}			rgb* _{de}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
257	255	258	0.0	0.465	1.0	43.0	-10.7	-46.7	48.0	257	0.0	0.49	1.0	43.9	-12.4	-46.6	48.4	255	0.0	0.25	1.0	0.0	0.452	1.0	42.5	-9.9	-46.7	47.9	258	0.0	0.25	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</

