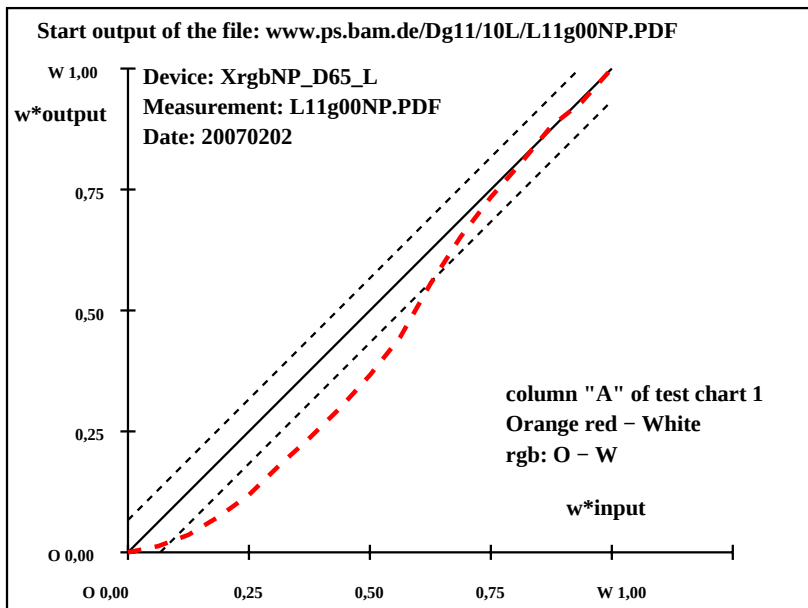


Version 2.1, io=1,1

BAM material: code=rha4ta

T	i	LAB*a _{ref}		hab _{ref}	LAB*a _{out}		hab _{out}	LAB*a _{out} /c-refΔH* ΔE*				Start output S1			
O	1	46.3	60.0	40.4	34	46.3	60.0	40.4	34	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	49.4	56.3	37.9	34	46.3	60.2	39.3	33	-3.0	4.0	1.4	4.2	5.2	ISO/IEC 15775:1999 Annex G
	3	52.4	52.5	35.4	34	46.2	60.6	37.3	32	-6.2	8.1	1.9	8.3	10.4	and DIN 33866-1:2000 Annex G
	4	55.5	48.8	32.8	34	47.1	60.0	34.0	30	-8.3	11.3	1.2	11.3	14.1	relative CIELAB data used for "out"
	5	58.6	45.0	30.3	34	48.6	58.4	30.4	27	-9.9	13.4	0.1	13.4	16.7	ΔL* = 95.41 - 46.31
	6	61.7	41.3	27.8	34	50.7	55.6	26.0	25	-10.8	14.3	-1.7	14.5	18.1	Regularity
	7	64.7	37.5	25.3	34	53.3	51.8	22.8	24	-11.3	14.3	-2.4	14.5	18.5	g* = 11.8
	8	67.8	33.8	22.7	34	56.9	46.7	20.7	24	-10.8	13.0	-1.9	13.1	17.1	
	9	70.9	30.0	20.2	34	60.7	41.1	18.9	25	-10.1	11.1	-1.2	11.2	15.1	Lightness gamut relative to offset
	10	73.9	26.3	17.7	34	64.9	34.8	17.4	27	-8.9	8.5	-0.2	8.6	12.4	f* = 63.4
	11	77.0	22.5	15.2	34	70.6	27.0	14.4	28	-6.3	4.5	-0.7	4.6	7.9	
	12	80.1	18.8	12.6	34	75.6	21.2	10.6	27	-4.4	2.5	-1.9	3.2	5.5	Orange red - White
	13	83.1	15.0	10.1	34	80.1	15.9	8.3	28	-2.9	0.9	-1.7	2.0	3.6	rgb: O - W
	14	86.2	11.3	7.6	34	84.1	11.4	6.3	29	-2.0	0.1	-1.2	1.3	2.4	
	15	89.3	7.5	5.0	34	88.4	6.7	4.0	31	-0.8	-0.7	-0.9	1.3	1.6	Mean CIELAB difference (17 steps)
	16	92.3	3.8	2.5	34	90.0	3.2	1.9	31	-2.3	-0.4	-0.5	0.8	2.5	ΔH* ^{CIELAB} = 6.6
W	17	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* ^{CIELAB} = 8.9
O	18	46.3	60.0	40.4	34	46.3	60.0	40.4	34	0.0	0.0	0.0	0.0	0.0	
	19	58.6	45.0	30.3	34	48.6	58.4	30.4	27	-9.9	13.4	0.1	13.4	16.7	
	20	70.9	30.0	20.2	34	60.7	41.1	18.9	25	-10.1	11.1	-1.2	11.2	15.1	Mean CIELAB difference (5 steps)
	21	83.1	15.0	10.1	34	80.1	15.9	8.3	28	-2.9	0.9	-1.7	2.0	3.6	ΔH* ^{CIELAB} = 5.3
W	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* ^{CIELAB} = 7.1
Mean colour reproduction index:															R* _{ab,m} = 61

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

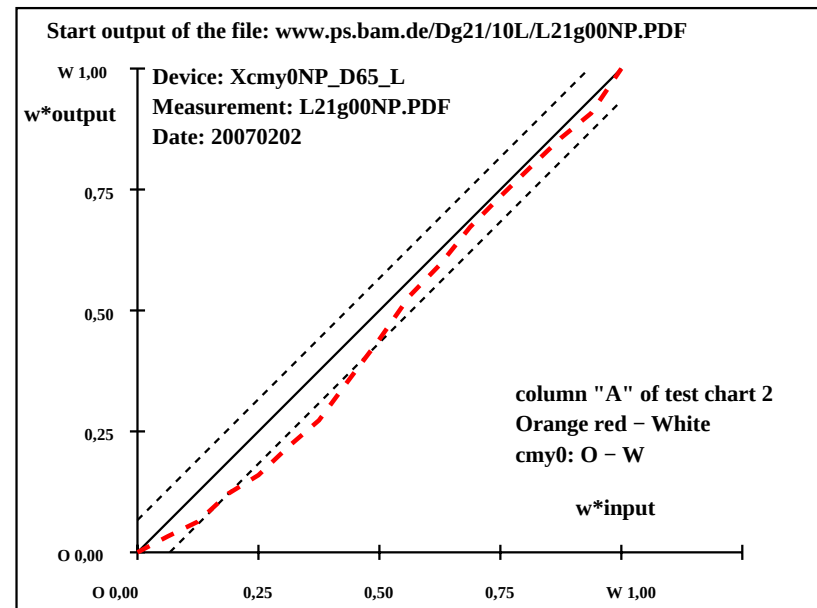


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "A"; *rgb*- and *cmY0*-input data, Page 1/24

T	i	LAB*a _{ref}		hab _{ref}	LAB*a _{out}		hab _{out}	LAB*a _{out} /c-ref				ΔH^*	ΔE^*	Start output S1	
O	1	46.3	60.1	47.0	38	46.3	60.1	47.0	38	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	49.4	56.3	44.1	38	48.0	57.7	46.4	39	-1.3	1.4	2.3	2.7	3.0	ISO/IEC 15775:1999 Annex G
	3	52.4	52.6	41.1	38	49.4	55.6	45.1	39	-3.0	3.0	4.0	5.0	5.9	and DIN 33866-1:2000 Annex G
	4	55.5	48.8	38.2	38	51.6	52.3	41.3	38	-3.8	3.5	3.1	4.7	6.1	relative CIELAB data used for "out"
	5	58.6	45.1	35.3	38	53.2	49.9	39.4	38	-5.2	4.8	4.2	6.4	8.3	$\Delta L^* = 95.3 - 46.32$
	6	61.6	41.3	32.3	38	56.0	45.6	37.5	39	-5.5	4.3	5.2	6.7	8.8	Regularity
	7	64.7	37.6	29.4	38	58.5	41.5	36.2	41	-6.0	3.9	6.8	7.9	10.0	$g^* = 41.7$
	8	67.7	33.8	26.4	38	62.8	34.9	35.0	45	-4.9	1.1	8.6	8.6	10.0	
	9	70.8	30.1	23.5	38	66.3	28.5	33.0	49	-4.4	-1.4	9.5	9.6	10.6	Lightness gamut relative to offset
	10	73.9	26.3	20.6	38	70.3	21.3	31.9	56	-3.5	-4.9	11.3	12.4	12.9	$f^* = 63.3$
11	76.9	22.5	17.6	38	72.5	15.9	30.7	63	-4.3	-6.5	13.1	14.7	15.3		
12	80.0	18.8	14.7	38	75.9	10.2	28.2	70	-4.0	-8.5	13.5	16.0	16.5	Orange red – White	
13	83.1	15.0	11.8	38	78.8	7.6	21.7	71	-4.2	-7.3	10.0	12.4	13.1	cmY0: O – W	
14	86.1	11.3	8.8	38	81.9	5.3	16.2	72	-4.2	-5.9	7.4	9.5	10.4		
15	89.2	7.5	5.9	38	85.2	2.6	12.2	78	-3.9	-4.8	6.3	8.0	8.9	Mean CIELAB difference (17 steps)	
16	92.2	3.8	2.9	38	88.3	2.8	5.5	63	-3.8	-0.9	2.6	2.7	4.8	$\Delta H^*_{CIELAB} = 7.5$	
W	17	95.3	0.0	0.0	0	95.3	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 8.5$
O	18	46.3	60.1	47.0	38	46.3	60.1	47.0	38	0.0	0.0	0.0	0.0	0.0	
	19	58.6	45.1	35.3	38	53.2	49.9	39.4	38	-5.2	4.8	4.2	6.4	8.3	
	20	70.8	30.1	23.5	38	66.3	28.5	33.0	49	-4.4	-1.4	9.5	9.6	10.6	Mean CIELAB difference (5 steps)
21	83.1	15.0	11.8	38	78.8	7.6	21.7	71	-4.2	-7.3	10.0	12.4	13.1	$\Delta H^*_{CIELAB} = 5.7$	
W	22	95.3	0.0	0.0	0	95.3	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 6.4$
Mean colour reproduction index:															$R^*_{ab,m} = 63$

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



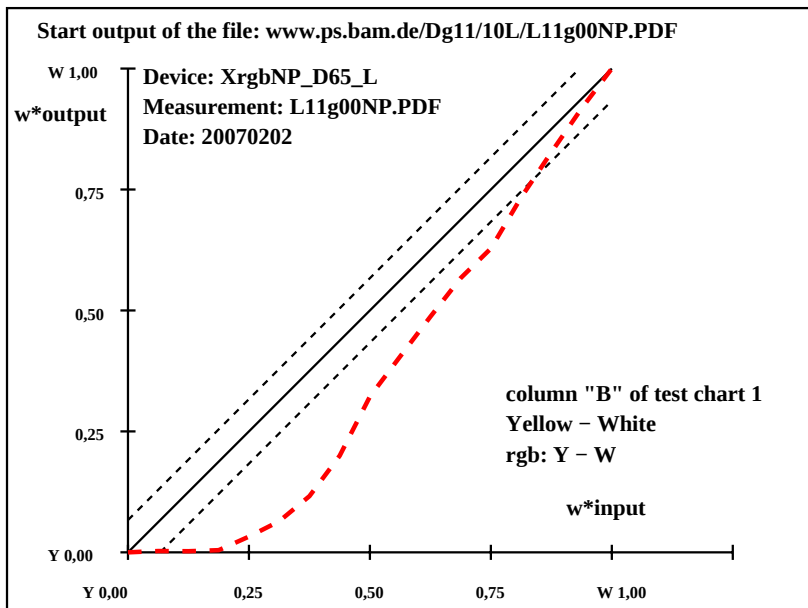
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH*	ΔE*	Start output S1	
Y	1	90.9-16.9	112.4 99	90.9-16.9	112.4 99	0.0	0.0	0.0	0.0	Specification according to
	2	91.2-15.8	105.4 99	90.8-16.9	112.7 99	-0.2	-1.0	7.3	7.4	ISO/IEC 15775:1999 Annex G
	3	91.5-14.8	98.4 99	90.8-16.8	112.6 99	-0.6	-1.9	14.3	14.4	and DIN 33866-1:2000 Annex G
	4	91.7-13.7	91.3 99	90.9-16.8	111.9 99	-0.8	-3.0	20.6	20.8	relative CIELAB data used for "out"
	5	92.0-12.7	84.3 99	91.0-17.0	108.7 99	-1.0	-4.2	24.4	24.8	ΔL* = 95.43 - 90.9
	6	92.3-11.6	77.3 99	91.1-17.1	105.1 99	-1.1	-5.4	27.8	28.4	Regularity
	7	92.6-10.6	70.3 99	91.1-17.2	99.2 100	-1.4	-6.5	28.9	29.7	g* = 3.8
	8	92.9-9.5	63.2 99	91.5-16.9	89.7 101	-1.2	-7.3	26.5	27.5	
	9	93.2-8.5	56.2 99	91.9-16.0	75.8 102	-1.1	-7.5	19.6	21.0	Lightness gamut relative to offset
	10	93.4-7.4	49.2 99	92.3-15.1	66.4 103	-1.0	-7.6	17.2	18.9	f* = 5.9
	11	93.7-6.3	42.2 99	92.6-13.9	57.1 104	-1.0	-7.5	14.9	16.8	
	12	94.0-5.3	35.1 99	93.0-12.7	48.1 105	-0.9	-7.3	13.0	14.9	Yellow - White
	13	94.3-4.2	28.1 99	93.3-11.5	41.2 106	-0.9	-7.2	13.1	15.0	rgb: Y - W
	14	94.6-3.2	21.1 99	93.9-8.9	29.4 107	-0.6	-5.6	8.3	10.1	
	15	94.9-2.1	14.1 99	94.4-6.2	19.0 108	-0.4	-4.0	4.9	6.4	Mean CIELAB difference (17 steps)
	16	95.1-1.1	7.0 99	95.0-3.2	9.0 110	-0.1	-2.0	2.0	2.9	ΔH*CIELAB = 15.2
W	17	95.4	0.0	0.0	180	95.4	0.0	0.0	0.0	ΔE*CIELAB = 15.3
Y	18	90.9-16.9	112.4 99	90.9-16.9	112.4 99	0.0	0.0	0.0	0.0	
	19	92.0-12.7	84.3 99	91.0-17.0	108.7 99	-1.0	-4.2	24.4	24.8	
	20	93.2-8.5	56.2 99	91.9-16.0	75.8 102	-1.1	-7.5	19.6	21.0	Mean CIELAB difference (5 steps)
	21	94.3-4.2	28.1 99	93.3-11.5	41.2 106	-0.9	-7.2	13.1	15.0	ΔH*CIELAB = 12.2
W	22	95.4	0.0	0.0	180	95.4	0.0	0.0	0.0	ΔE*CIELAB = 12.2
Mean colour reproduction index:										R* _{ab,m} = 33

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

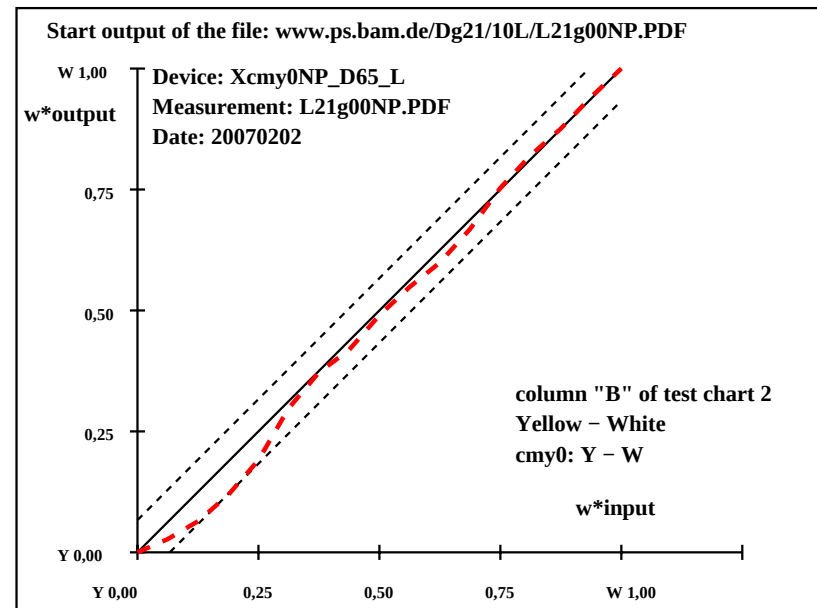


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "B"; *rgb*- and *cmy0*-input data, Page 2/24

[illegible]

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



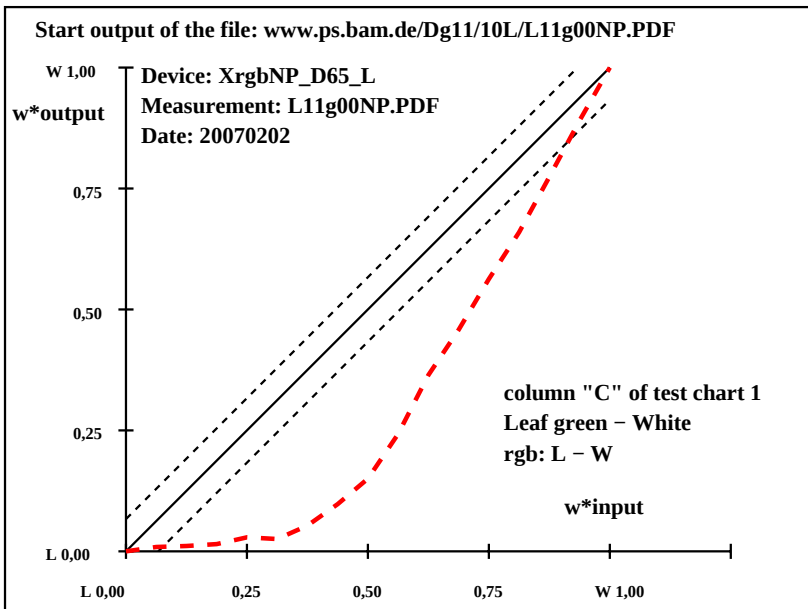
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab,ref	LAB*a _{out}	hab,out	LAB*a _{out} /c-ref	ΔH*	ΔE*	Start output S1
L	1	45.7 - 67.4	36.2	152	45.7 - 67.4	36.2	152	0.0 0.0 0.0 0.0 0.0	Specification according to
	2	48.8 - 63.2	33.9	152	45.3 - 66.7	36.0	152	-3.4 -3.4 2.1 4.1 5.4	ISO/IEC 15775:1999 Annex G
	3	51.9 - 59.0	31.7	152	45.5 - 66.5	36.6	151	-6.3 -7.4 4.9 9.0 11.1	and DIN 33866-1:2000 Annex G
	4	55.0 - 54.7	29.4	152	45.6 - 66.1	36.6	151	-9.4 -11.3 7.2 13.4 16.4	relative CIELAB data used for "out"
	5	58.2 - 50.5	27.2	152	45.8 - 65.0	37.3	150	-12.2 -14.4 10.1 17.7 21.5	ΔE* = 95.52 - 45.71
	6	61.3 - 46.3	24.9	152	45.7 - 65.3	37.2	150	-15.4 -18.9 12.3 22.6 27.4	Regularity
	7	64.4 - 42.1	22.7	152	47.4 - 63.4	38.4	149	-16.9 -21.2 15.7 26.5 31.5	g* = 0.6
	8	67.5 - 37.9	20.4	152	49.9 - 60.0	38.8	147	-17.5 -22.0 18.4 28.8 33.7	
	9	70.6 - 33.7	18.2	152	53.0 - 55.8	36.0	147	-17.5 -22.1 17.9 28.4 33.4	Lightness gamut relative to offset
	10	73.7 - 29.4	15.9	152	57.2 - 49.9	28.9	150	-16.4 -20.4 13.0 24.3 29.4	f* = 64.4
	11	76.8 - 25.2	13.6	152	62.1 - 42.0	22.3	152	-14.6 -16.7 8.7 18.9 24.0	
	12	80.0 - 21.0	11.4	152	67.6 - 35.2	20.9	149	-12.3 -14.1 9.5 17.1 21.1	Leaf green - White
	13	83.1 - 16.8	9.1	152	74.0 - 27.6	20.2	144	-8.9 -10.7 11.1 15.5 17.9	rgb: L - W
	14	86.2 - 12.6	6.9	152	80.4 - 21.0	19.7	137	-5.7 -8.3 12.8 15.4 16.4	
	15	89.3 - 8.3	4.6	151	85.8 - 14.1	12.7	138	-3.4 -5.7 8.1 9.9 10.5	Mean CIELAB difference (17 steps)
	16	92.4 - 4.1	2.4	151	90.6 - 7.1	5.2	144	-1.7 -2.9 2.8 4.1 4.5	ΔH*CIELAB = 15.0
W	17	95.5	0.0	0.1	95.5	0.0	0.1	90 0.0 0.0 0.0 0.0 0.0	ΔE*CIELAB = 17.9
L	18	45.7 - 67.4	36.2	152	45.7 - 67.4	36.2	152	0.0 0.0 0.0 0.0 0.0 0.0	
	19	58.2 - 50.5	27.2	152	45.8 - 65.0	37.3	150	-12.2 -14.4 10.1 17.7 21.5	
	20	70.6 - 33.7	18.2	152	53.0 - 55.8	36.0	147	-17.5 -22.1 17.9 28.4 33.4	Mean CIELAB difference (5 steps)
	21	83.1 - 16.8	9.1	152	74.0 - 27.6	20.2	144	-8.9 -10.7 11.1 15.5 17.9	ΔH*CIELAB = 12.3
W	22	95.5	0.0	0.1	95.5	0.0	0.1	90 0.0 0.0 0.0 0.0 0.0	ΔE*CIELAB = 14.6
Mean colour reproduction index:									R* _{ab,m} = 21

De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

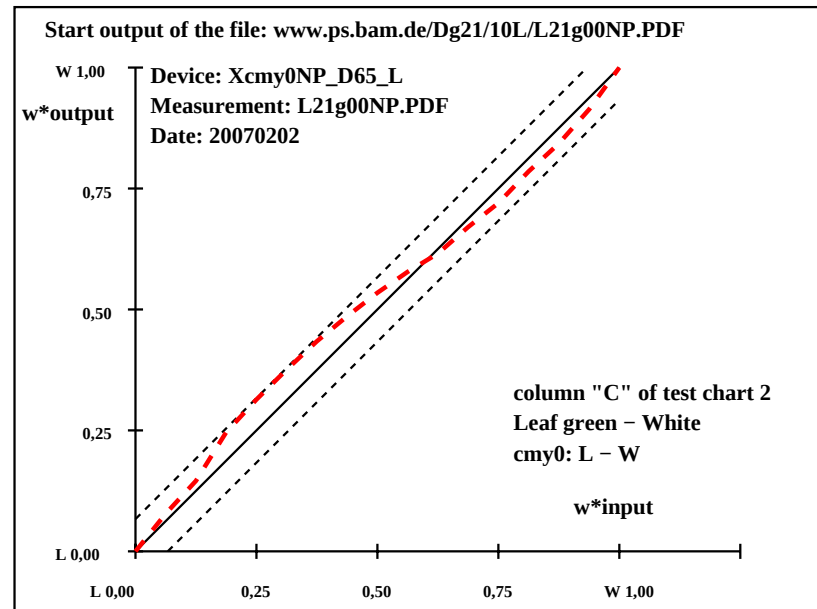


De180-7N,; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "C"; *rgb*- and *cmy0*-input data, Page 3/24

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH*	ΔE*	Start output S1									
L	1	48.9	-63.5	33.0	153	48.9	-63.5	33.0	153	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	51.8	-59.5	30.9	153	51.5	-57.8	30.8	152	-0.2	1.7	0.0	1.7	1.8	1.7	1.8	1.8	ISO/IEC 15775:1999 Annex G
	3	54.7	-55.6	28.9	153	54.0	-53.6	27.4	153	-0.7	1.9	-1.4	2.4	2.6	2.4	2.6	2.6	and DIN 33866-1:2000 Annex G
	4	57.6	-51.6	26.8	153	55.4	-47.5	21.0	156	-2.1	4.1	-5.7	7.1	7.4	7.1	7.4	7.4	relative CIELAB data used for "out"
	5	60.5	-47.6	24.8	153	58.2	-41.9	20.1	154	-2.3	5.7	-4.5	7.4	7.7	7.4	7.7	7.7	ΔL* = 95.38 – 48.9
	6	63.4	-43.6	22.7	153	60.1	-37.5	17.9	155	-3.2	6.1	-4.7	7.8	8.4	7.8	8.4	8.4	Regularity
	7	66.3	-39.7	20.6	153	62.0	-32.4	17.6	152	-4.2	7.3	-2.9	7.9	9.0	7.9	9.0	9.0	g* = 62.1
	8	69.2	-35.7	18.6	153	64.5	-28.1	18.0	147	-4.6	7.6	-0.5	7.6	8.9	7.6	8.9	8.9	
	9	72.1	-31.7	16.5	153	67.2	-24.7	17.4	145	-4.8	7.0	0.9	7.1	8.6	7.1	8.6	8.6	Lightness gamut relative to offset
	10	75.0	-27.7	14.4	153	70.0	-21.8	17.1	142	-5.0	5.9	2.7	6.5	8.3	6.5	8.3	8.3	f* = 60.1
W	11	78.0	-23.7	12.4	153	73.1	-19.2	18.2	137	-4.8	4.5	5.8	7.4	8.9	7.4	8.9	8.9	
	12	80.9	-19.8	10.3	153	76.3	-16.9	14.1	140	-4.5	2.9	3.8	4.8	6.6	4.8	6.6	6.6	Leaf green – White
	13	83.8	-15.8	8.3	153	80.8	-15.3	12.0	142	-2.9	0.5	3.8	3.8	4.8	3.8	4.8	4.8	cmY0: L – W
	14	86.7	-11.8	6.2	153	84.3	-11.8	9.0	143	-2.3	0.0	2.8	2.8	3.7	2.8	3.7	3.7	
	15	89.6	-7.9	4.1	153	87.5	-8.7	6.7	143	-2.0	-0.7	2.6	2.7	3.4	2.7	3.4	3.4	Mean CIELAB difference (17 steps)
	16	92.5	-3.9	2.1	153	90.2	-5.0	2.0	159	-2.2	-1.0	0.0	1.1	2.6	1.1	2.6	2.6	ΔH* _{CIELAB} = 4.6
	17	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 5.5
	18	48.9	-63.5	33.0	153	48.9	-63.5	33.0	153	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	19	60.5	-47.6	24.8	153	58.2	-41.9	20.1	154	-2.3	5.7	-4.5	7.4	7.7	7.4	7.7	7.7	
	20	72.1	-31.7	16.5	153	67.2	-24.7	17.4	145	-4.8	7.0	0.9	7.1	8.6	7.1	8.6	8.6	Mean CIELAB difference (5 steps)
W	21	83.8	-15.8	8.3	153	80.8	-15.3	12.0	142	-2.9	0.5	3.8	3.8	4.8	3.8	4.8	4.8	ΔH* _{CIELAB} = 3.6
	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 4.2
Mean colour reproduction index:															R* _{ab,m} = 76			

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



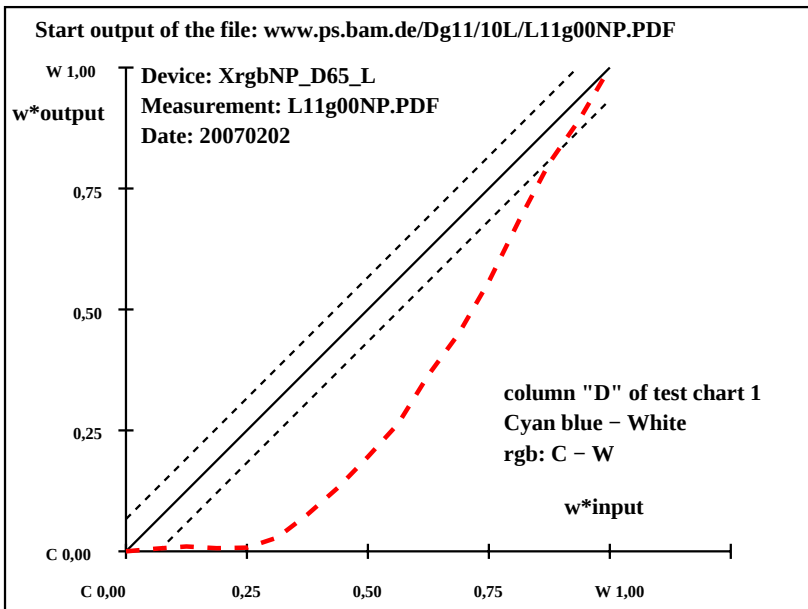
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab,ref	LAB*a _{out}	hab,out	LAB*a _{out} /c-ref	ΔH*	ΔE*	Start output S1		
C	1	51.2-15.7-52.5	253	51.2-15.7-52.5	253	0.0	0.0	0.0	0.0	Specification according to	
	2	53.9-14.7-49.2	253	51.0-15.5-52.8	254	-2.8	-0.7	-3.5	3.7	ISO/IEC 15775:1999 Annex G	
	3	56.7-13.7-45.9	253	50.8-15.2-52.8	254	-5.8	-1.4	-6.8	7.0	and DIN 33866-1:2000 Annex G	
	4	59.5-12.7-42.7	253	51.1-15.3-52.7	254	-8.3	-2.5	-9.9	10.4	relative CIELAB data used for "out"	
	5	62.2-11.8-39.4	253	51.7-15.6-52.4	253	-10.4	-3.7	-12.9	13.6	ΔE* = 95.39 - 51.16	
	6	65.0-10.8-36.1	253	52.7-16.2-51.3	252	-12.2	-5.3	-15.1	16.1	Regularity	
	7	67.7-9.8-32.8	253	55.1-16.2-48.9	252	-12.5	-6.3	-16.0	17.3	g* = 2.5	
	8	70.5-8.8-29.5	253	57.0-16.3-45.4	250	-13.4	-7.4	-15.8	17.6		
	9	73.3-7.8-26.3	253	58.6-15.8-40.9	249	-14.6	-7.9	-14.6	16.7	Lightness gamut relative to offset	
	10	76.0-6.8-23.0	253	60.9-15.4-36.7	247	-15.0	-8.5	-13.6	16.2	f* = 57.1	
	11	78.8-5.8-19.7	253	64.9-13.8-30.9	246	-13.8	-7.9	-11.1	13.8		
	12	81.6-4.8-16.4	253	68.6-12.1-26.3	245	-12.9	-7.2	-9.8	12.3	Cyan blue – White	
	13	84.3-3.9-13.1	253	74.3-10.3-21.2	244	-9.9	-6.4	-8.0	10.3	rgb: C – W	
	14	87.1-2.9-9.8	253	81.0-8.3-15.4	242	-6.0	-5.3	-5.5	7.8		
	15	89.9-1.9-6.6	253	87.0-5.8-9.9	239	-2.7	-3.8	-3.2	5.2	Mean CIELAB difference (17 steps)	
	16	92.6-0.9-3.3	254	91.1-3.2-5.5	239	-1.5	-2.2	-2.1	3.2	ΔH*CIELAB = 10.1	
W	17	95.4	0.0	0.0	270	95.4	0.0	0.0	0.0	0.0	ΔE*CIELAB = 13.2
C	18	51.2-15.7-52.5	253	51.2-15.7-52.5	253	0.0	0.0	0.0	0.0	0.0	
	19	62.2-11.8-39.4	253	51.7-15.6-52.4	253	-10.4	-3.7	-12.9	13.6	17.2	
	20	73.3-7.8-26.3	253	58.6-15.8-40.9	249	-14.6	-7.9	-14.6	16.7	22.2	Mean CIELAB difference (5 steps)
	21	84.3-3.9-13.1	253	74.3-10.3-21.2	244	-9.9	-6.4	-8.0	10.3	14.4	ΔH*CIELAB = 8.1
W	22	95.4	0.0	0.0	270	95.4	0.0	0.0	0.0	0.0	ΔE*CIELAB = 10.8
Mean colour reproduction index:										R* _{ab,m} = 42	

De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

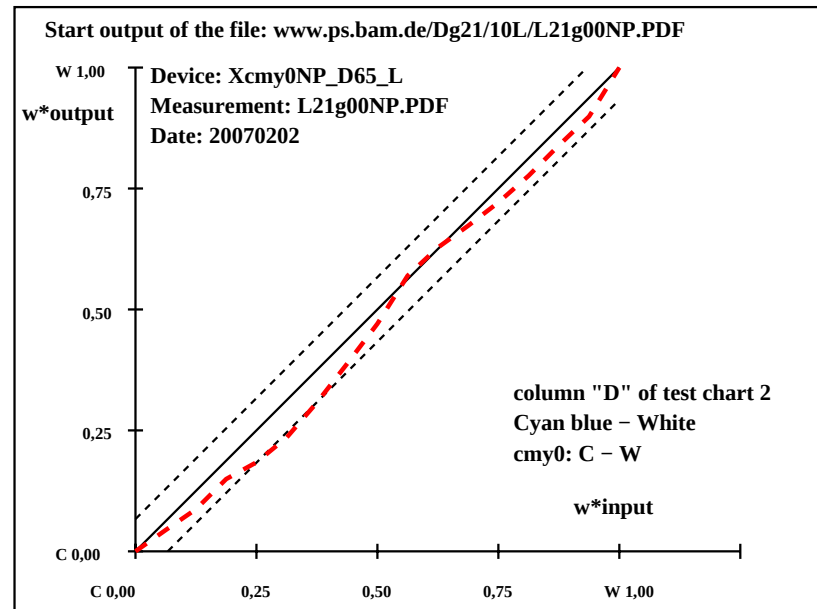


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "D"; *rgb*- and *cmy0*-input data, Page 4/24

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH*	ΔE*	Start output S1
C	1	55.7-19.4-41.4	245	55.7-19.4-41.4	245	0.0	0.0	0.0	Specification according to
	2	58.1-18.2-38.8	245	56.7-20.0-39.0	243	-1.4	-1.7	-0.1	ISO/IEC 15775:1999 Annex G
	3	60.6-17.0-36.2	245	58.1-20.2-36.8	241	-2.4	-3.1	-0.5	and DIN 33866-1:2000 Annex G
	4	63.1-15.7-33.6	245	60.0-20.9-33.6	238	-3.0	-5.1	0.0	relative CIELAB data used for "out"
	5	65.6-14.5-31.0	245	61.4-19.7-31.8	238	-4.1	-5.1	-0.7	ΔL* = 95.41 - 55.66
	6	68.1-13.3-28.4	245	63.3-18.1-29.4	238	-4.7	-4.7	-0.9	Regularity
	7	70.6-12.1-25.8	245	65.9-16.4-26.1	238	-4.5	-4.2	-0.2	g* = 49.5
	8	73.1-10.9-23.2	245	69.6-15.7-22.8	235	-3.3	-4.7	0.4	
	9	75.5-9.7-20.7	245	72.6-13.9-19.1	234	-2.8	-4.2	1.5	Lightness gamut relative to offset
	10	78.0-8.4-18.1	245	77.3-12.6-15.3	230	-0.6	-4.1	2.8	f* = 51.4
	11	80.5-7.2-15.5	245	80.2-10.5-13.6	232	-0.2	-3.2	1.9	
	12	83.0-6.0-12.9	245	81.9-9.0-11.9	233	-1.0	-2.9	1.0	Cyan blue – White
	13	85.5-4.8-10.3	245	83.9-7.1-10.3	235	-1.5	-2.2	0.0	cmy0: C – W
	14	88.0-3.6-7.7	245	85.9-5.4-8.1	236	-1.9	-1.7	-0.3	
	15	90.4-2.3-5.1	245	88.7-3.7-6.0	238	-1.6	-1.3	-0.8	Mean CIELAB difference (17 steps)
	16	92.9-1.1-2.5	245	90.8-2.2-3.4	237	-2.0	-1.0	-0.8	ΔH*c _{CIELAB} = 3.1
W	17	95.4	0.0	0.0	0	95.4	0.0	0.0	ΔE*c _{CIELAB} = 3.9
C	18	55.7-19.4-41.4	245	55.7-19.4-41.4	245	0.0	0.0	0.0	
	19	65.6-14.5-31.0	245	61.4-19.7-31.8	238	-4.1	-5.1	-0.7	
	20	75.5-9.7-20.7	245	72.6-13.9-19.1	234	-2.8	-4.2	1.5	Mean CIELAB difference (5 steps)
	21	85.5-4.8-10.3	245	83.9-7.1-10.3	235	-1.5	-2.2	0.0	ΔH*c _{CIELAB} = 2.4
W	22	95.4	0.0	0	95.4	0.0	0.0	0.0	ΔE*c _{CIELAB} = 3.0
Mean colour reproduction index:									R* _{ab,m} = 83

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



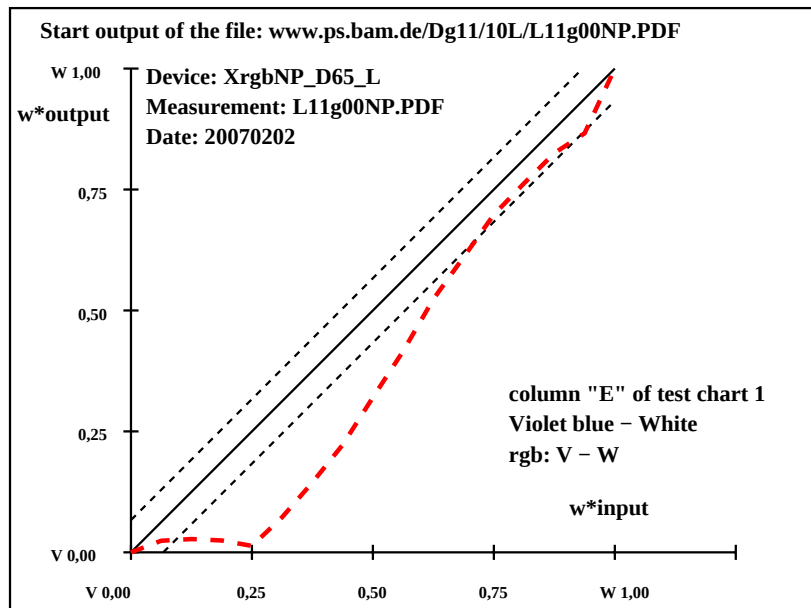
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH*	ΔE*	Start output S1	
V	1	38.2	2.0 -49.0	272	38.2	2.0 -49.0	272	0.0 0.0 0.0	0.0 0.0	Specification according to
	2	41.8	1.9 -45.9	272	37.0	3.3 -48.9	274	-4.7 1.4 -2.9	3.3 5.9	ISO/IEC 15775:1999 Annex G
	3	45.4	1.7 -42.8	272	36.9	3.6 -48.9	274	-8.4 1.9 -6.0	6.3 10.6	and DIN 33866-1:2000 Annex G
	4	49.0	1.6 -39.8	272	37.2	3.5 -48.7	274	-11.7 1.9 -8.8	9.1 14.9	relative CIELAB data used for "out"
	5	52.5	1.5 -36.7	272	39.0	2.3 -48.4	273	-13.5 0.8 -11.6	11.8 18.0	ΔL* = 95.54 - 38.21
	6	56.1	1.3 -33.6	272	42.9	1.1 -46.3	271	-13.1 -0.1 -12.6	12.7 18.3	Regularity
	7	59.7	1.2 -30.5	272	47.4	1.0 -43.1	271	-12.2 -0.1 -12.5	12.6 17.6	g* = 3.5
	8	63.3	1.1 -27.4	272	52.3	0.0 -40.0	270	-10.9 -1.0 -12.5	12.6 16.8	
	9	66.9	1.0 -24.3	272	58.2	0.0 -35.4	270	-8.6 -0.9 -11.0	11.1 14.1	Lightness gamut relative to offset
	10	70.5	0.8 -21.3	272	63.9	-0.1 -30.9	270	-6.5 -0.9 -9.5	9.7 11.7	f* = 74.1
	11	74.0	0.7 -18.2	272	69.9	0.0 -25.3	270	-4.1 -0.7 -7.0	7.2 8.3	
	12	77.6	0.6 -15.1	272	74.9	-1.0 -21.1	267	-2.7 -1.6 -5.9	6.2 6.8	Violet blue – White
	13	81.2	0.4 -12.0	272	79.9	-0.1 -16.6	269	-1.3 -0.5 -4.5	4.6 4.8	rgb: V – W
	14	84.8	0.3 -8.9	272	83.2	0.3 -12.9	271	-1.5 0.0 -3.9	4.0 4.3	
	15	88.4	0.2 -5.9	272	86.5	1.4 -9.4	278	-1.8 1.2 -3.4	3.7 4.2	Mean CIELAB difference (17 steps)
	16	92.0	0.0 -2.8	271	88.4	2.0 -6.9	286	-3.4 2.0 -4.0	4.6 5.8	ΔH* _{CIELAB} = 7.0
W	17	95.5	0.0 0.2	117	95.5	0.0 0.2	117	0.0 0.0 0.0	0.0 0.0	ΔE* _{CIELAB} = 9.5
V	18	38.2	2.0 -49.0	272	38.2	2.0 -49.0	272	0.0 0.0 0.0	0.0 0.0	
	19	52.5	1.5 -36.7	272	39.0	2.3 -48.4	273	-13.5 0.8 -11.6	11.8 18.0	
	20	66.9	1.0 -24.3	272	58.2	0.0 -35.4	270	-8.6 -0.9 -11.0	11.1 14.1	Mean CIELAB difference (5 steps)
	21	81.2	0.4 -12.0	272	79.9	-0.1 -16.6	269	-1.3 -0.5 -4.5	4.6 4.8	ΔH* _{CIELAB} = 5.5
W	22	95.5	0.0 0.2	117	95.5	0.0 0.2	117	0.0 0.0 0.0	0.0 0.0	ΔE* _{CIELAB} = 7.4
Mean colour reproduction index:										R* _{ab,m} = 58

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

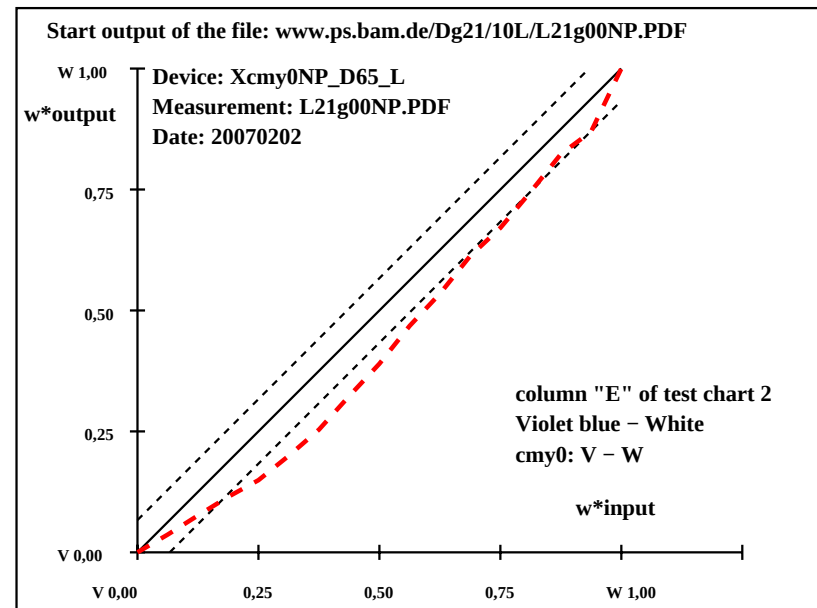


De180-7N, ; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "E"; *rgb*- and *cmy0*-input data, Page 5/24

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH^*	ΔE^*	Start output S1						
V	1	25.6	21.1	-35.5	301	25.6	21.1	-35.5	301	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	29.9	19.8	-33.3	301	28.2	19.7	-36.0	299	-1.7	0.0	-2.6	2.7	3.3	ISO/IEC 15775:1999 Annex G
	3	34.3	18.5	-31.0	301	31.2	18.6	-36.2	297	-3.0	0.1	-5.1	5.2	6.0	and DIN 33866-1:2000 Annex G
	4	38.7	17.1	-28.8	301	34.3	17.8	-35.5	297	-4.3	0.7	-6.6	6.7	8.0	relative CIELAB data used for "out"
	5	43.1	15.8	-26.5	301	37.2	17.9	-34.4	297	-5.7	2.1	-7.8	8.1	10.0	$\Delta L^* = 95.48 - 25.58$
	6	47.4	14.5	-24.3	301	40.7	15.5	-33.4	295	-6.7	1.0	-9.0	9.1	11.4	Regularity
	7	51.8	13.2	-22.1	301	45.0	15.4	-31.3	296	-6.7	2.2	-9.1	9.5	11.7	$g^* = 49.8$
	8	56.2	11.9	-19.8	301	49.5	12.9	-28.4	294	-6.6	1.0	-8.5	8.6	10.9	
	9	60.5	10.6	-17.6	301	53.9	11.8	-24.7	295	-6.5	1.3	-7.0	7.2	9.8	Lightness gamut relative to offset
	10	64.9	9.2	-15.4	301	58.9	10.5	-20.4	297	-5.9	1.3	-4.9	5.2	8.0	$f^* = 90.3$
11	69.3	7.9	-13.1	301	63.2	9.3	-17.1	298	-6.0	1.4	-3.9	4.2	7.4		
12	73.6	6.6	-10.9	301	67.9	6.5	-13.7	295	-5.6	0.0	-2.7	2.8	6.4	Violet blue – White	
13	78.0	5.3	-8.7	301	72.1	5.3	-11.8	294	-5.8	0.0	-3.0	3.2	6.7	cmY0: V – W	
14	82.4	4.0	-6.4	301	76.9	3.9	-8.3	295	-5.3	0.0	-1.8	1.9	5.8		
15	86.7	2.6	-4.2	302	82.5	2.2	-5.7	291	-4.2	-0.3	-1.4	1.6	4.6	Mean CIELAB difference (17 steps)	
16	91.1	1.3	-1.9	303	85.9	2.3	-3.7	301	-5.1	1.0	-1.7	2.0	5.6	$\Delta H^*_{CIELAB} = 4.6$	
W	17	95.5	0.0	0.2	90	95.5	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 6.8$
V	18	25.6	21.1	-35.5	301	25.6	21.1	-35.5	301	0.0	0.0	0.0	0.0	0.0	
	19	43.1	15.8	-26.5	301	37.2	17.9	-34.4	297	-5.7	2.1	-7.8	8.1	10.0	
	20	60.5	10.6	-17.6	301	53.9	11.8	-24.7	295	-6.5	1.3	-7.0	7.2	9.8	Mean CIELAB difference (5 steps)
21	78.0	5.3	-8.7	301	72.1	5.3	-11.8	294	-5.8	0.0	-3.0	3.2	6.7	$\Delta H^*_{CIELAB} = 3.7$	
W	22	95.5	0.0	0.2	90	95.5	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 5.3$
Mean colour reproduction index:															$R^*_{ab,m} = 70$

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

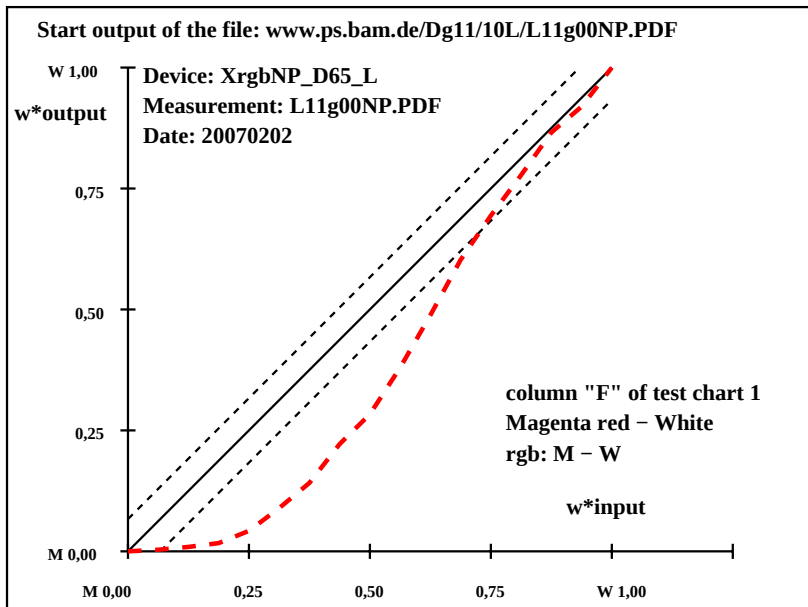
input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1													
M	1	46.1	71.3	-6.3	355	46.1	71.3	-6.3	355	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to						
	2	49.2	66.8	-5.9	355	46.3	71.4	-6.5	355	-2.8	4.6	-0.5	4.6	5.4	ISO/IEC 15775:1999 Annex G							
	3	52.3	62.4	-5.5	355	46.7	70.9	-6.7	355	-5.5	8.5	-1.1	8.6	10.3	and DIN 33866-1:2000 Annex G							
	4	55.4	57.9	-5.1	355	47.0	70.4	-7.1	354	-8.3	12.5	-1.9	12.6	15.2	relative CIELAB data used for "out"							
	5	58.5	53.5	-4.7	355	47.4	68.7	-8.6	353	-11.0	15.2	-3.8	15.7	19.2	$\Delta L^* = 95.45 - 46.14$							
	6	61.5	49.0	-4.3	355	48.8	65.4	-10.6	351	-12.6	16.4	-6.2	17.6	21.7	Regularity							
	7	64.6	44.6	-3.9	355	51.1	61.0	-10.8	350	-13.4	16.4	-6.8	17.8	22.4	$g^* = 6.3$							
	8	67.7	40.1	-3.5	355	55.2	55.1	-11.6	348	-12.5	15.0	-8.0	17.0	21.2								
	9	70.8	35.7	-3.1	355	58.8	50.7	-11.1	348	-11.9	15.1	-7.9	17.0	20.9	Lightness gamut relative to offset							
	10	73.9	31.2	-2.7	355	63.9	43.8	-10.6	346	-9.9	12.6	-7.8	14.9	17.9	$f^* = 63.7$							
11	77.0	26.7	-2.3	355	69.2	35.8	-9.3	345	-7.7	9.1	-6.9	11.5	13.8									
12	80.0	22.3	-1.9	355	74.3	27.2	-8.7	342	-5.7	4.9	-6.7	8.4	10.2	Magenta red - White								
13	83.1	17.8	-1.5	355	78.1	20.2	-8.4	337	-4.9	2.4	-6.8	7.3	8.8	rgb: M - W								
14	86.2	13.4	-1.1	355	82.0	14.0	-7.8	331	-4.1	0.6	-6.6	6.7	7.9									
15	89.3	8.9	-0.7	355	86.4	7.7	-6.5	319	-2.8	-1.1	-5.7	5.9	6.6	Mean CIELAB difference (17 steps)								
16	92.4	4.5	-0.3	355	89.9	4.5	-4.3	316	-2.3	0.0	-3.9	4.0	4.7	$\Delta H^{*}_{CIELAB} = 10.0$								
W	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 12.1$								
M	18	46.1	71.3	-6.3	355	46.1	71.3	-6.3	355	0.0	0.0	0.0	0.0	0.0								
	19	58.5	53.5	-4.7	355	47.4	68.7	-8.6	353	-11.0	15.2	-3.8	15.7	19.2								
	20	70.8	35.7	-3.1	355	58.8	50.7	-11.1	348	-11.9	15.1	-7.9	17.0	20.9	Mean CIELAB difference (5 steps)							
	21	83.1	17.8	-1.5	355	78.1	20.2	-8.4	337	-4.9	2.4	-6.8	7.3	8.8	$\Delta H^{*}_{CIELAB} = 8.0$							
W	22	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 9.8$								
														Mean colour reproduction index: $R^{*}_{ab,m} = 47$								

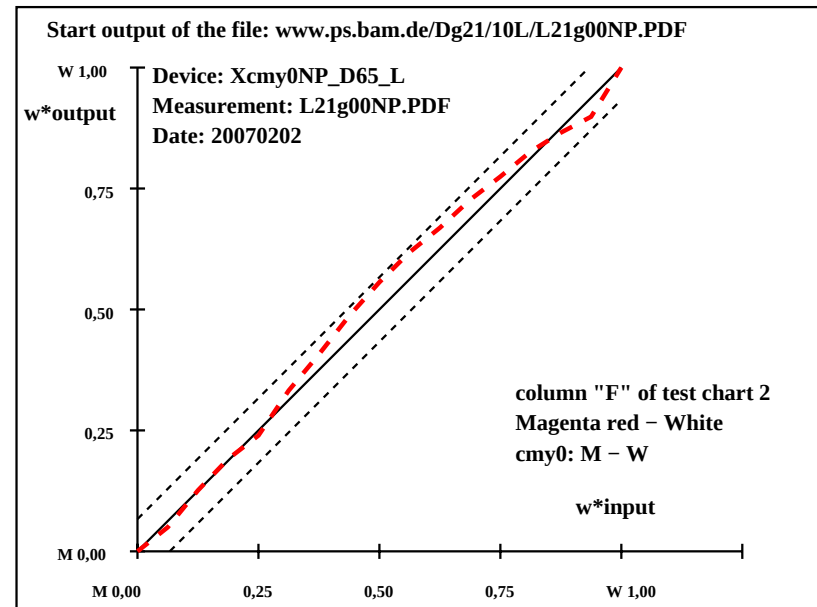
De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1													
M	1	46.9	62.6	-5.2	355	46.9	62.6	-5.2	355	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to						
	2	49.9	58.7	-4.9	355	48.6	59.1	-5.9	354	-1.2	0.4	-0.9	1.1	1.7	ISO/IEC 15775:1999 Annex G							
	3	52.9	54.8	-4.5	355	51.2	53.6	-5.7	354	-1.6	-1.1	-1.1	1.7	2.4	and DIN 33866-1:2000 Annex G							
	4	56.0	50.9	-4.2	355	53.8	49.1	-5.6	353	-2.1	-1.7	-1.3	2.2	3.1	relative CIELAB data used for "out"							
	5	59.0	46.9	-3.9	355	55.8	45.8	-5.8	353	-3.1	-1.0	-1.8	2.2	3.9	$\Delta L^* = 95.39 - 46.88$							
	6	62.0	43.0	-3.5	355	59.2	39.3	-4.7	353	-2.7	-3.6	-1.1	3.9	4.8	Regularity							
	7	65.1	39.1	-3.2	355	62.3	34.2	-3.9	353	-2.7	-4.8	-0.6	5.0	5.7	$g^* = 61.1$							
	8	68.1	35.2	-2.9	355	65.6	28.9	-2.6	355	-2.4	-6.2	0.3	6.3	6.8								
	9	71.1	31.3	-2.6	355	69.1	24.6	-1.7	356	-1.9	-6.6	0.9	6.8	7.1	Lightness gamut relative to offset							
	10	74.2	27.4	-2.2	355	72.0	20.6	-1.3	356	-2.1	-6.7	0.9	6.8	7.2	$f^* = 62.7$							
11	77.2	23.5	-1.9	355	74.7	17.6	-0.5	358	-2.4	-5.8	1.4	6.0	6.6									
12	80.2	19.6	-1.6	355	78.2	14.4	-0.2	359	-2.0	-5.1	1.4	5.3	5.7	Magenta red – White								
13	83.3	15.7	-1.2	355	80.9	11.6	-0.2	359	-2.3	-4.0	1.0	4.2	4.8	cmy0: M – W								
14	86.3	11.7	-0.9	355	83.7	8.6	0.0	0	-2.5	-3.0	1.0	3.3	4.2									
15	89.3	7.8	-0.6	355	86.4	6.6	-0.3	357	-2.9	-1.1	0.3	1.3	3.2	Mean CIELAB difference (17 steps)								
16	92.4	3.9	-0.2	355	88.5	4.9	-0.2	356	-3.8	1.0	0.0	1.0	4.0	$\Delta H^*_{CIELAB} = 3.4$								
17	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 4.2$								
M	18	46.9	62.6	-5.2	355	46.9	62.6	-5.2	355	0.0	0.0	0.0	0.0	0.0								
	19	59.0	46.9	-3.9	355	55.8	45.8	-5.8	353	-3.1	-1.0	-1.8	2.2	3.9								
	20	71.1	31.3	-2.6	355	69.1	24.6	-1.7	356	-1.9	-6.6	0.9	6.8	7.1	Mean CIELAB difference (5 steps)							
21	83.3	15.7	-1.2	355	80.9	11.6	-0.2	359	-2.3	-4.0	1.0	4.2	4.8	$\Delta H^*_{CIELAB} = 2.6$								
22	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 3.2$								
Mean colour reproduction index:										$R^*_{ab,m} = 82$												

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

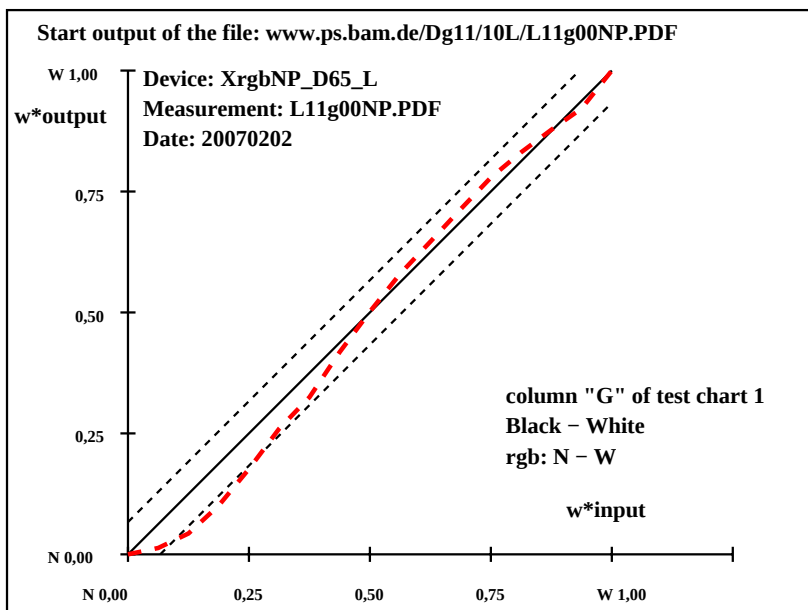


De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-refΔH*	ΔE*	Start output S1							
N	1	21.7	0.0	0.0	0	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	26.3	0.0	0.0	0	22.6	0.0	0.0	0	-3.5	0.0	0.0	0.0	3.6	ISO/IEC 15775:1999 Annex G
	3	30.9	0.0	0.0	0	24.8	0.0	0.1	90	-5.9	0.0	0.1	0.1	6.0	and DIN 33866-1:2000 Annex G
	4	35.5	0.0	0.0	0	29.1	0.0	0.0	0	-6.3	0.0	0.0	0.0	6.4	relative CIELAB data used for "out"
	5	40.1	0.0	0.0	0	34.7	0.0	0.0	0	-5.3	0.0	0.0	0.0	5.4	ΔL* = 95.46 - 21.66
	6	44.7	0.0	0.0	0	40.8	0.0	0.0	0	-3.8	0.0	0.0	0.0	3.9	Regularity
	7	49.3	0.0	0.0	0	45.6	0.0	0.2	90	-3.6	0.0	0.2	0.2	3.7	g* = 54.2
	8	53.9	0.0	0.0	0	52.5	0.0	0.1	90	-1.3	0.0	0.1	0.1	1.4	
Z	9	58.6	0.0	0.0	0	58.7	0.0	0.2	90	0.1	0.0	0.2	0.2	0.2	Lightness gamut relative to offset
	10	63.2	0.0	0.0	0	64.5	0.0	0.2	90	1.3	0.0	0.2	0.2	1.3	f* = 95.3
	11	67.8	0.0	0.0	0	69.4	0.0	0.2	90	1.6	0.0	0.2	0.2	1.6	
	12	72.4	0.0	0.0	0	74.3	0.0	0.2	90	1.9	0.0	0.2	0.2	1.9	Black – White
	13	77.0	0.0	0.0	0	79.1	0.0	0.1	90	2.1	0.0	0.1	0.1	2.1	rgb: N – W
	14	81.6	0.0	0.0	0	83.0	0.0	0.0	0	1.4	0.0	0.0	0.0	1.4	
	15	86.2	0.0	0.0	0	86.4	0.0	0.1	90	0.2	0.0	0.1	0.1	0.2	Mean CIELAB difference (17 steps)
	16	90.8	0.0	0.0	0	89.7	0.0	0.2	90	-1.1	0.0	0.2	0.2	1.2	ΔH*CIELAB = 0.1
	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE*CIELAB = 2.4
N	18	21.7	0.0	0.0	0	21.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	
	19	40.1	0.0	0.0	0	34.7	0.0	0.0	0	-5.3	0.0	0.0	0.0	5.4	
Z	20	58.6	0.0	0.0	0	58.7	0.0	0.2	90	0.1	0.0	0.2	0.2	0.2	Mean CIELAB difference (5 steps)
	21	77.0	0.0	0.0	0	79.1	0.0	0.1	90	2.1	0.0	0.1	0.1	2.1	ΔH*CIELAB = 0.1
W	22	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE*CIELAB = 1.6
Mean colour reproduction index: R* _{ab,m} = 90															

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

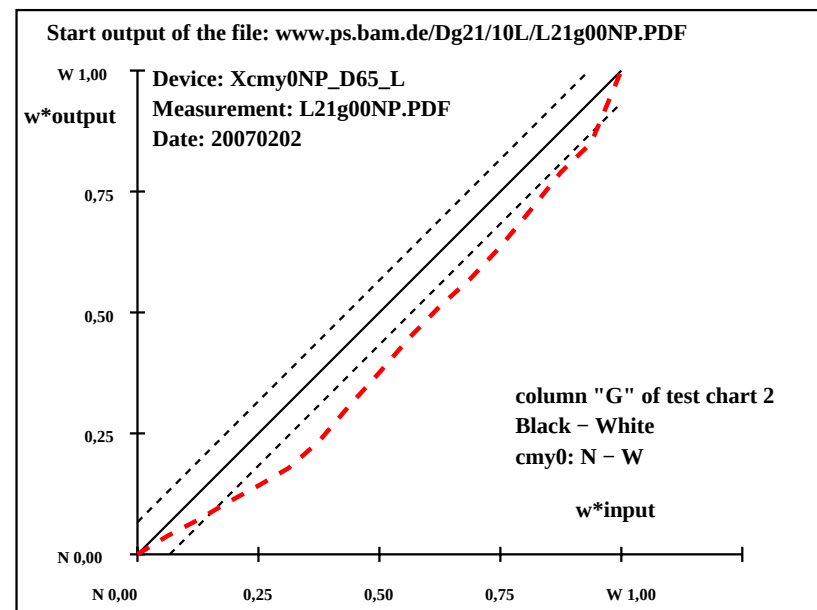


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "G"; *rgb*- and *cmy0*-input data, Page 7/24

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH* ΔE*	Start output S1							
N	1	26.9	0.0	0.0	0	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	31.2	0.0	0.0	0	29.2	-0.6	1.1	122	-1.9	-0.6	1.1	1.3	2.4	ISO/IEC 15775:1999 Annex G
	3	35.5	0.0	0.0	0	34.1	-1.5	1.0	148	-4.0	-1.5	1.0	1.9	4.5	and DIN 33866-1:2000 Annex G
	4	39.8	0.0	0.0	0	34.1	-1.7	0.5	164	-5.6	-1.7	0.5	1.9	6.0	relative CIELAB data used for "out"
	5	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8	8.3	ΔL* = 95.41 – 26.94
	6	48.3	0.0	0.0	0	38.8	-1.7	2.1	131	-9.4	-1.7	2.1	2.8	9.9	Regularity
	7	52.6	0.0	0.0	0	42.6	-1.3	3.0	115	-9.9	-1.3	3.0	3.3	10.6	g* = 36.6
	8	56.9	0.0	0.0	0	47.3	-2.5	4.6	119	-9.5	-2.5	4.6	5.3	11.0	
Z	9	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4	11.3	Lightness gamut relative to offset
	10	65.5	0.0	0.0	0	56.7	-1.3	7.2	101	-8.6	-1.3	7.2	7.3	11.4	f* = 88.5
	11	69.7	0.0	0.0	0	61.3	-0.7	7.2	96	-8.3	-0.7	7.2	7.2	11.1	
	12	74.0	0.0	0.0	0	65.4	-0.8	6.5	98	-8.6	-0.8	6.5	6.6	10.9	Black – White
	13	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3	10.4	cmy0: N – W
	14	82.6	0.0	0.0	0	75.3	-0.1	5.9	92	-7.2	-0.1	5.9	5.9	9.4	
	15	86.9	0.0	0.0	0	80.8	-1.2	5.2	104	-6.0	-1.2	5.2	5.4	8.1	Mean CIELAB difference (17 steps)
	16	91.1	0.0	0.0	0	85.1	0.3	1.9	81	-5.9	0.3	1.9	1.9	6.3	ΔH* _{CIELAB} = 3.9
	17	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 7.7
	18	26.9	0.0	0.0	0	26.9	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	
	19	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8	8.3	
	20	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4	11.3	Mean CIELAB difference (5 steps)
Z	21	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3	10.4	ΔH* _{CIELAB} = 3.1
	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 6.0
Mean colour reproduction index:														R* _{ab,m} = 66	

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

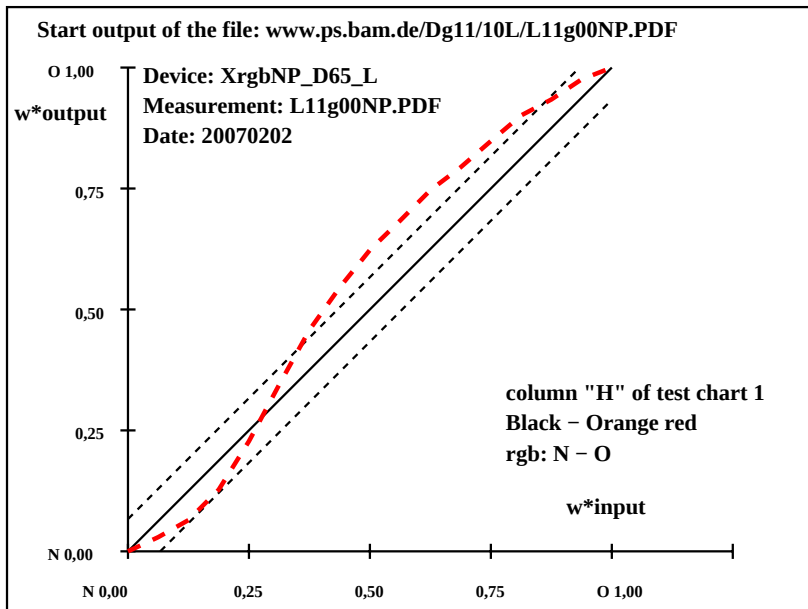
input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1
N	1	22.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	23.5	3.8	2.4	32	21.6	2.1	-0.4	ISO/IEC 15775:1999 Annex G
	3	25.1	7.6	4.7	32	21.6	4.8	0.7	and DIN 33866-1:2000 Annex G
	4	26.6	11.3	7.1	32	23.6	8.5	4.2	relative CIELAB data used for "out"
	5	28.1	15.1	9.5	32	26.4	13.3	9.9	$\Delta L^* = 46.32 - 22.02$
	6	29.6	18.9	11.8	32	30.4	16.7	18.0	Regularity
	7	31.1	22.7	14.2	32	33.1	22.8	23.4	$g^* = 44.0$
	8	32.7	26.5	16.5	32	34.7	28.2	27.1	
	9	34.2	30.3	18.9	32	36.4	33.4	29.7	Lightness gamut relative to offset
	10	35.7	34.0	21.3	32	37.5	37.3	32.0	$f^* = 31.4$
	11	37.2	37.8	23.6	32	38.7	41.6	34.0	
	12	38.7	41.6	26.0	32	39.9	44.7	35.5	Black - Orange red
	13	40.2	45.4	28.4	32	41.4	48.6	36.7	rgb: N - O
	14	41.8	49.2	30.7	32	42.9	52.1	38.2	
	15	43.3	52.9	33.1	32	44.3	54.9	38.0	Mean CIELAB difference (17 steps)
	16	44.8	56.7	35.4	32	45.6	58.3	38.1	$\Delta H^*_{CIELAB} = 6.4$
O	17	46.3	60.5	37.8	32	46.3	60.5	37.8	$\Delta E^*_{CIELAB} = 6.7$
N	18	22.0	0.0	0.0	0	22.0	0.0	0.0	
	19	28.1	15.1	9.5	32	26.4	13.3	9.9	
	20	34.2	30.3	18.9	32	36.4	33.4	29.7	Mean CIELAB difference (5 steps)
	21	40.2	45.4	28.4	32	41.4	48.6	36.7	$\Delta H^*_{CIELAB} = 4.4$
O	22	46.3	60.5	37.8	32	46.3	60.5	37.8	$\Delta E^*_{CIELAB} = 4.6$
Mean colour reproduction index: $R^*_{ab,m} = 71$									

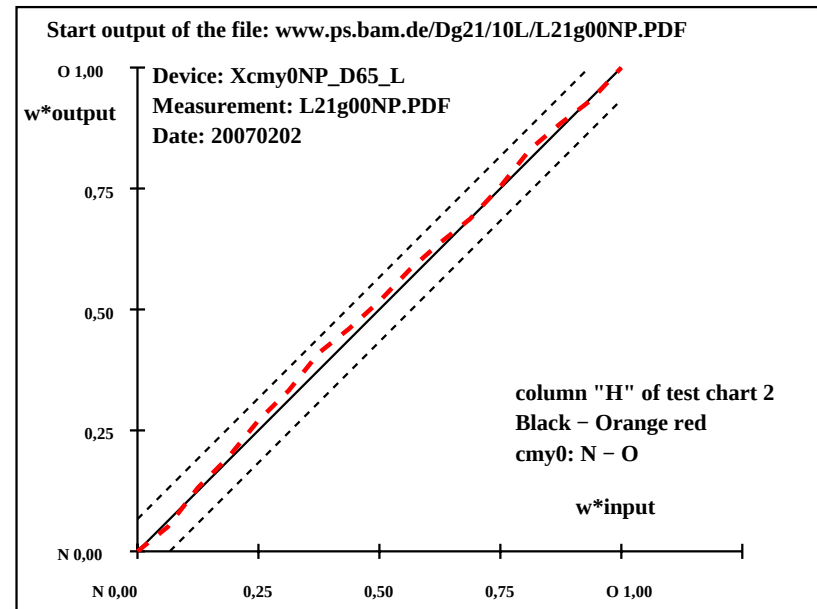
De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1
N	1	28.0	2.1	0.8	21	28.0	2.1	0.8	Specification according to
	2	29.2	5.7	3.6	32	28.9	5.1	3.0	ISO/IEC 15775:1999 Annex G
	3	30.3	9.3	6.5	35	30.0	11.0	4.8	and DIN 33866-1:2000 Annex G
	4	31.5	12.9	9.3	36	31.3	14.6	7.8	relative CIELAB data used for "out"
	5	32.7	16.5	12.1	36	32.2	19.3	11.1	$\Delta L^* = 46.67 - 27.99$
	6	33.8	20.1	15.0	37	32.8	23.1	13.8	Regularity
	7	35.0	23.7	17.8	37	33.9	27.8	17.2	$g^* = 59.4$
	8	36.2	27.3	20.6	37	35.0	30.8	19.3	
	9	37.3	31.0	23.4	37	36.4	34.3	21.4	Lightness gamut relative to offset
	10	38.5	34.6	26.3	37	37.3	37.8	24.9	$f^* = 24.1$
	11	39.7	38.2	29.1	37	38.3	41.1	27.3	
	12	40.8	41.8	31.9	37	38.8	43.7	30.1	Black - Orange red
	13	42.0	45.4	34.8	37	40.2	47.2	33.6	cmy0: N - O
	14	43.2	49.0	37.6	38	42.1	51.4	37.4	
	15	44.3	52.6	40.4	38	43.4	54.5	39.6	Mean CIELAB difference (17 steps)
	16	45.5	56.2	43.3	38	44.4	56.9	42.2	$\Delta H^*_{CIELAB} = 2.4$
O	17	46.7	59.8	46.1	38	46.7	59.8	46.1	$\Delta E^*_{CIELAB} = 2.6$
N	18	28.0	2.1	0.8	21	28.0	2.1	0.8	
	19	32.7	16.5	12.1	36	32.2	19.3	11.1	
	20	37.3	31.0	23.4	37	36.4	34.3	21.4	Mean CIELAB difference (5 steps)
	21	42.0	45.4	34.8	37	40.2	47.2	33.6	$\Delta H^*_{CIELAB} = 1.8$
O	22	46.7	59.8	46.1	38	46.7	59.8	46.1	$\Delta E^*_{CIELAB} = 2.0$
Mean colour reproduction index: $R^*_{ab,m} = 89$									

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1			
0	0.0	0	0.0	0.0	0.0	0.0	0.0	Specification according to
7	2.4	108	-4.0	0.3	-4.5	4.6	6.1	ISO/IEC 15775:1999 Annex G
4	11.0	108	-4.3	-1.2	-2.9	3.3	5.5	and DIN 33866-1:2000 Annex G
1	22.2	103	-2.4	-1.9	1.3	2.3	3.4	relative CIELAB data used for "out"

9	31.3	103	-1.1	-2.6	3.4	4.3	4.5	$\Delta L^* =$	90.87 - 21.96
6	40.5	102	0.0	-3.2	5.6	6.5	6.5	Regularity	
6	48.8	101	0.6	-3.1	6.9	7.6	7.7	$q^* =$	70.1

5	55.6	101	1.2	-3.0	6.7	7.4	7.5	
6	63.9	100	2.3	-3.0	8.1	8.6	8.9	Lightness gamut relative to offset
3	69.9	100	1.8	-2.6	7.1	7.6	7.8	$f^* = 89.0$

9	75.7	100	1.4	-2.2	5.9	6.3	6.5	
0	80.1	100	0.2	-2.2	3.3	4.0	4.0	Black - Yellow
2	85.4	100	-0.4	-1.3	1.6	2.1	2.2	rgb: N - Y

7	89.6	99	-1.6	-0.7	-1.1	1.4	2.2	
4	93.5	99	-3.1	-0.3	-4.1	4.3	5.4	Mean CIELAB difference (17 steps)
7	99.2	99	-3.8	0.3	-5.4	5.5	6.8	$\Delta H^*_{\text{CIELAB}} = 4.5$

$$\Delta E^*_{\text{CIELAB}} = 5.0$$

6	63.9	100	2.3	-3.0	8.1	8.6	8.9	Mean CIELAB difference (5 steps)
2	85.4	100	-0.4	-1.3	1.6	2.1	2.2	$\Delta H^*_{\text{CIELAB}} = 3.0$
1	111.7	99	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{\text{CIELAB}} = 3.1$

Mean colour reproduction index: $R^*_{ab,m} = 79$

De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1									
N	1	28.3	3.9	1.3	18	28.3	3.9	1.3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	32.2	2.6	8.2	73	30.6	1.5	4.9	73	-1.4	-1.0	-3.2	3.5	3.8				ISO/IEC 15775:1999 Annex G
	3	36.1	1.3	15.2	85	33.3	-1.4	9.5	99	-2.7	-2.7	-5.6	6.3	6.9				and DIN 33866-1:2000 Annex G
	4	40.0	0.0	22.1	90	36.3	-3.5	15.1	103	-3.6	-3.5	-6.9	7.8	8.7				relative CIELAB data used for "out"

5	43.9	-1.2	29.0	93	38.7	-4.1	22.3	101	-5.1	-2.8	-6.6	7.3	9.0	$\Delta L^* = 90.8 - 28.27$
6	47.8	-2.6	36.0	94	41.4	-6.7	29.5	103	-6.3	-4.0	-6.4	7.7	10.0	Regularity
7	51.7	-3.9	42.9	95	44.1	-6.2	36.9	100	-7.5	-2.2	-5.9	6.4	9.9	$g^* = 43.4$

8	55.6	-5.2	49.8	96	47.7	-7.1	42.3	100	-7.9	-1.8	-7.4	7.8	11.1	
9	59.5	-6.5	56.7	97	51.3	-7.4	48.7	99	-8.2	-0.8	-7.9	8.1	11.6	Lightness gamut relative to offset
10	63.4	-7.8	63.7	97	55.1	-7.7	55.4	98	-8.2	0.1	-8.2	8.3	11.7	$f^* = 80.8$

11	67.4	-9.1	70.6	97	58.4	-7.8	61.0	97	-8.9	1.3	-9.5	9.7	13.2	
12	71.3	-10.4	77.5	98	62.6	-9.5	68.2	98	-8.5	0.9	-9.2	9.4	12.8	Black - Yellow
13	75.2	-11.8	84.5	98	66.8	-10.2	75.7	98	-8.3	1.6	-8.7	8.9	12.3	cmv0: N - Y

14	79.1	-13.1	91.4	98	71.3	-11.2	82.6	98	-7.7	1.9	-8.7	9.0	11.9	
15	83.0	-14.4	98.3	98	76.6	-13.3	90.7	98	-6.3	1.1	-7.5	7.7	10.0	Mean CIELAB difference (17 steps)
16	86.9	-15.7	105.3	99	81.0	-13.2	97.5	98	-5.8	2.5	-7.7	8.2	10.1	$\Delta H^*_{\text{CIELAB}} = 6.8$

Y 17	90.8	-17.0	112.2	99	90.8	-17.0	112.2	99	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{\text{CIELAB}} =$	9.0
N 18	28.3	3.9	1.3	18	28.3	3.9	1.3	18	0.0	0.0	0.0	0.0	0.0			
19	43.9	-1.2	29.0	93	38.7	-4.1	22.3	101	-5.1	-2.8	-6.6	7.3	9.0			

	20	59.5	-6.5	56.7	97	51.3	-7.4	48.7	99	-8.2	-0.8	-7.9	8.1	11.6	Mean CIELAB difference (5 steps)
	21	75.2	-11.8	84.5	98	66.8	-10.2	75.7	98	-8.3	1.6	-8.7	8.9	12.3	$\Delta H^*_{\text{CIELAB}} = 4.9$
Y	22	90.8	-17.0	112.2	99	90.8	-17.0	112.2	99	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{\text{CIELAB}} = 6.6$

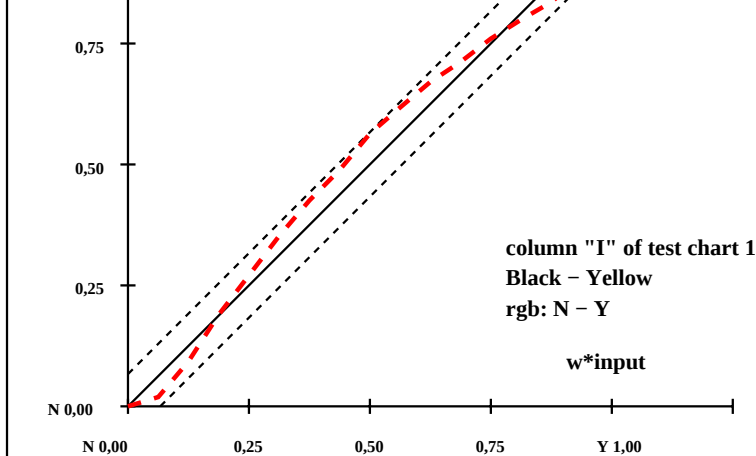
Mean colour reproduction index: $R^*_{ab,m} = 61$

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

Start output of the file: www.ps.bam.de/Dg11/10L/L11g00NP.PDF

Y 1,00
w*output

Device: XrgbNP_D65_L
Measurement: L11g00NP.PDF
Date: 20070202

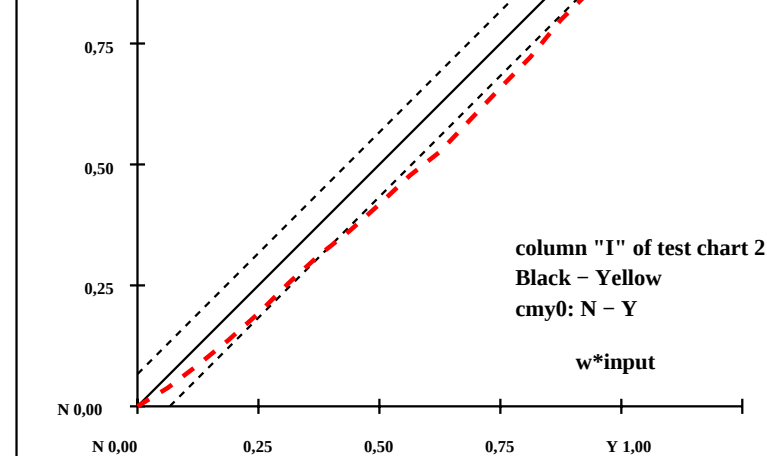


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "I"; *rgb*- and *cmy0*-input data, Page 9/24

Start output of the file: www.ps.bam.de/Dg21/10L/L21g00NP.PDF

Y 1,00
w*output
Device: Xcmy0NP_D65_L
Measurement: L21g00NP.PDF
Date: 20070202



De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

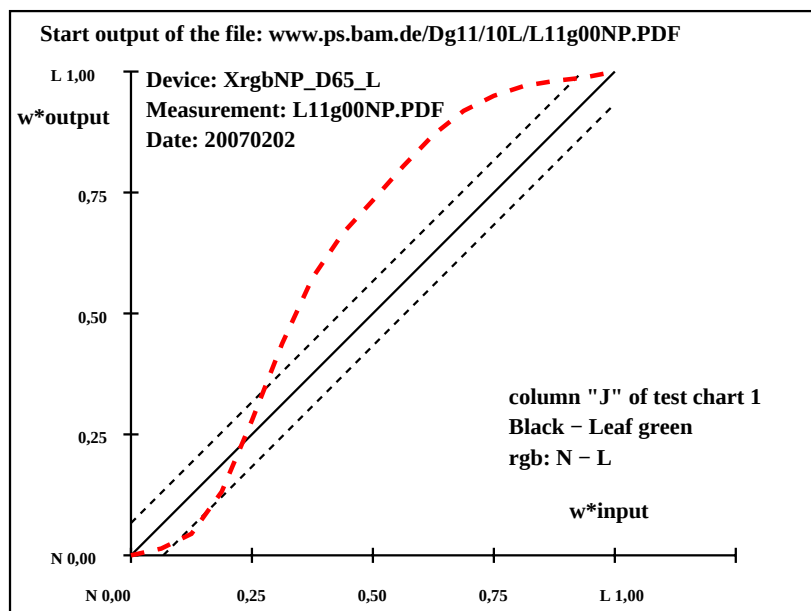
input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

BAM registration: 20080301-De18/10/L18E09NP.PS/.PDF BAM material: code=rha4ta
- application for output of monitor, data projector, or printer systems

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH*	ΔE*	Start output S1
N	1	21.9 0.0	0.0 0	21.9 0.0	0.0 0	0.0 0.0	0.0 0.0	0.0 0.0	Specification according to
	2	23.4 -4.1	2.3 152	21.3 -0.8	-0.2 198	-2.0 3.3	-2.5 4.2	4.7 4.7	ISO/IEC 15775:1999 Annex G
	3	24.9 -8.3	4.5 152	22.1 -3.4	0.6 170	-2.7 4.9	-3.8 6.3	6.9 6.9	and DIN 33866-1:2000 Annex G
	4	26.4 -12.5	6.8 152	24.8 -8.5	5.3 148	-1.5 4.0	-1.3 4.3	4.5 4.5	relative CIELAB data used for "out"
	5	27.9 -16.7	9.0 152	28.7 -17.2	12.3 145	0.8 -0.4	3.3 3.3	3.4 3.4	ΔL* = 46.01 - 21.91
	6	29.4 -20.9	11.3 152	31.5 -28.3	18.1 147	2.0 -7.3	6.9 10.1	10.3 10.3	Regularity
	7	30.9 -25.1	13.5 152	34.6 -37.9	22.3 150	3.6 -12.7	8.8 15.5	16.0 16.0	g* = 27.7
	8	32.5 -29.3	15.8 152	36.1 -45.1	24.2 152	3.7 -15.7	8.5 17.9	18.3 18.3	
	9	34.0 -33.5	18.0 152	38.2 -49.8	26.2 152	4.3 -16.2	8.2 18.2	18.7 18.7	Lightness gamut relative to offset
	10	35.5 -37.7	20.3 152	40.1 -54.6	28.5 152	4.6 -16.8	8.3 18.8	19.4 19.4	f* = 31.1
	11	37.0 -41.9	22.5 152	41.8 -59.0	30.7 153	4.8 -17.0	8.2 19.0	19.6 19.6	
	12	38.5 -46.1	24.8 152	42.6 -62.8	31.8 153	4.1 -16.6	7.0 18.1	18.6 18.6	Black - Leaf green
	13	40.0 -50.3	27.0 152	43.4 -64.9	32.9 153	3.4 -14.5	5.9 15.7	16.1 16.1	rgb: N - L
	14	41.5 -54.5	29.3 152	44.0 -66.5	33.1 154	2.5 -11.9	3.8 12.6	12.8 12.8	
	15	43.0 -58.7	31.5 152	44.3 -67.0	33.8 153	1.3 -8.2	2.3 8.6	8.7 8.7	Mean CIELAB difference (17 steps)
	16	44.5 -62.9	33.8 152	45.1 -67.1	34.4 153	0.6 -4.1	0.7 4.3	4.3 4.3	ΔH* _{CIELAB} = 10.4
L	17	46.0 -67.1	36.0 152	46.0 -67.1	36.0 152	0.0 0.0	0.0 0.0	0.0 0.0	ΔE* _{CIELAB} = 10.7
N	18	21.9 0.0	0.0 0	21.9 0.0	0.0 0	0.0 0.0	0.0 0.0	0.0 0.0	
	19	27.9 -16.7	9.0 152	28.7 -17.2	12.3 145	0.8 -0.4	3.3 3.3	3.4 3.4	
	20	34.0 -33.5	18.0 152	38.2 -49.8	26.2 152	4.3 -16.2	8.2 18.2	18.7 18.7	Mean CIELAB difference (5 steps)
	21	40.0 -50.3	27.0 152	43.4 -64.9	32.9 153	3.4 -14.5	5.9 15.7	16.1 16.1	ΔH* _{CIELAB} = 7.5
L	22	46.0 -67.1	36.0 152	46.0 -67.1	36.0 152	0.0 0.0	0.0 0.0	0.0 0.0	ΔE* _{CIELAB} = 7.7
Mean colour reproduction index:									R* _{ab,m} = 54

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

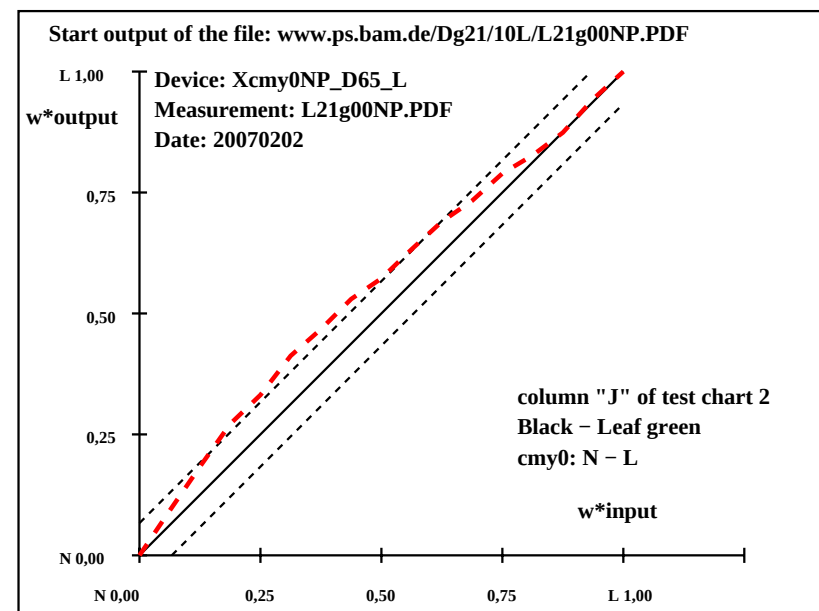


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "J"; *rgb*- and *cmY0*-input data, Page 10/24

T	i	LAB*a,ref		hab,ref	LAB*a,out		hab,out	LAB*a,out/c-ref				ΔH^*	ΔE^*	Start output S1		
N	1	29.0	3.9	1.6	22	29.0	3.9	1.6	22	0.0	0.0	0.0	0.0	0.0	Specification according to	
	2	30.2	-0.3	3.5	96	31.3	-2.6	3.1	131	1.1	-2.2	-0.3	2.4	2.6	ISO/IEC 15775:1999 Annex G	
	3	31.4	-4.6	5.4	131	32.7	-9.3	4.7	153	1.4	-4.6	-0.6	4.8	5.0	and DIN 33866-1:2000 Annex G	
	4	32.6	-8.8	7.3	141	33.5	-15.8	6.8	157	1.0	-6.9	-0.4	7.0	7.1	relative CIELAB data used for "out"	
	5	33.8	-13.1	9.2	145	34.2	-20.0	8.8	156	0.5	-6.8	-0.3	6.9	6.9	$\Delta L^* = 48.19 - 28.95$	
	6	35.0	-17.4	11.1	148	35.6	-25.7	11.0	157	0.7	-8.2	0.0	8.3	8.4	Regularity	
	7	36.2	-21.7	13.0	149	36.6	-29.4	13.0	156	0.4	-7.6	0.0	7.8	7.8	$g^* = 83.4$	
	8	37.4	-25.9	14.9	150	37.6	-33.5	15.5	155	0.3	-7.5	0.6	7.6	7.6		
	9	38.6	-30.2	16.8	151	38.7	-36.3	17.0	155	0.1	-6.0	0.3	6.1	6.1	Lightness gamut relative to offset	
	10	39.8	-34.5	18.6	152	40.0	-40.5	18.5	156	0.2	-5.9	0.0	6.0	6.0	$f^* = 24.9$	
L	11	41.0	-38.8	20.5	152	41.4	-44.1	20.9	155	0.4	-5.3	0.4	5.4	5.4		
	12	42.2	-43.0	22.4	153	42.4	-47.2	21.7	155	0.2	-4.1	-0.6	4.2	4.2	Black – Leaf green	
	13	43.4	-47.3	24.3	153	43.3	-50.8	24.2	155	0.0	-3.4	0.0	3.5	3.5	cmY0: N – L	
	14	44.6	-51.6	26.2	153	44.2	-53.7	24.4	156	-0.3	-2.0	-1.7	2.8	2.8		
	15	45.8	-55.9	28.1	153	45.4	-56.5	26.6	155	-0.3	-0.5	-1.4	1.6	1.7	Mean CIELAB difference (17 steps)	
	16	47.0	-60.1	30.0	154	46.9	-60.8	29.6	154	0.0	-0.6	-0.3	0.8	0.8	$\Delta H^*_{CIELAB} = 4.4$	
	17	48.2	-64.4	31.9	154	48.2	-64.4	31.9	154	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 4.5$	
	N	18	29.0	3.9	1.6	22	29.0	3.9	1.6	22	0.0	0.0	0.0	0.0	0.0	
		19	33.8	-13.1	9.2	145	34.2	-20.0	8.8	156	0.5	-6.8	-0.3	6.9	6.9	
		20	38.6	-30.2	16.8	151	38.7	-36.3	17.0	155	0.1	-6.0	0.3	6.1	6.1	Mean CIELAB difference (5 steps)
21		43.4	-47.3	24.3	153	43.3	-50.8	24.2	155	0.0	-3.4	0.0	3.5	3.5	$\Delta H^*_{CIELAB} = 3.3$	
L	22	48.2	-64.4	31.9	154	48.2	-64.4	31.9	154	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 3.3$	
Mean colour reproduction index:										$R^*_{ab,m} = 81$						

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



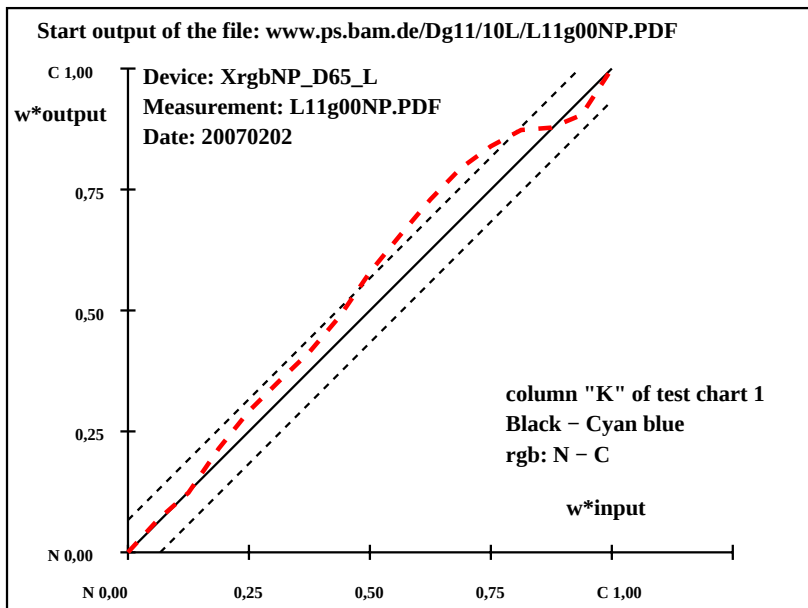
De181-7N, ; Device: Xcmv0NP_D65 L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH* ΔE*	Start output S1							
N	1	20.7	0.0	-0.2	252	20.7	0.0	-0.2	252	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	22.5	-0.9	-3.5	254	20.3	-1.1	-4.3	255	-2.2	-0.1	-0.7	0.8	2.4	ISO/IEC 15775:1999 Annex G
	3	24.4	-1.9	-6.8	254	20.6	-1.8	-7.7	256	-3.8	0.1	-0.8	0.9	4.0	and DIN 33866-1:2000 Annex G
	4	26.3	-2.8	-10.1	254	22.7	-3.8	-12.9	253	-3.5	-0.9	-2.7	3.0	4.7	relative CIELAB data used for "out"
	5	28.2	-3.8	-13.4	254	26.0	-6.8	-16.3	247	-2.1	-3.0	-2.8	4.2	4.8	ΔL* = 50.86 - 20.66
	6	30.1	-4.7	-16.7	254	27.8	-10.9	-18.1	239	-2.2	-6.1	-1.3	6.4	6.8	Regularity
	7	32.0	-5.6	-20.0	254	30.1	-15.0	-19.1	232	-1.8	-9.3	0.9	9.4	9.6	g* = 38.2
	8	33.9	-6.6	-23.3	254	32.7	-17.1	-22.4	233	-1.1	-10.4	0.9	10.6	10.6	
	9	35.8	-7.5	-26.6	254	36.5	-19.8	-26.1	233	0.7	-12.2	0.4	12.3	12.3	Lightness gamut relative to offset
	10	37.6	-8.4	-29.8	254	39.6	-21.8	-29.3	233	2.0	-13.3	0.5	13.4	13.5	f* = 39.0
	11	39.5	-9.4	-33.1	254	42.6	-22.9	-33.0	235	3.1	-13.4	0.1	13.5	13.9	
	12	41.4	-10.3	-36.4	254	45.4	-24.4	-35.7	236	4.0	-14.0	0.7	14.1	14.7	Black - Cyan blue
	13	43.3	-11.3	-39.7	254	46.9	-24.6	-38.5	237	3.5	-13.3	1.2	13.4	13.9	rgb: N - C
	14	45.2	-12.2	-43.0	254	48.3	-24.7	-40.3	238	3.1	-12.4	2.7	12.8	13.2	
	15	47.1	-13.1	-46.3	254	48.3	-23.6	-41.4	240	1.2	-10.4	4.9	11.6	11.6	Mean CIELAB difference (17 steps)
C	16	49.0	-14.1	-49.6	254	49.3	-22.8	-43.3	242	0.4	-8.6	6.3	10.8	10.8	ΔH*CIELAB = 8.1
	17	50.9	-15.0	-52.9	254	50.9	-15.0	-52.9	254	0.0	0.0	0.0	0.0	0.0	ΔE*CIELAB = 8.6
	18	20.7	0.0	-0.2	252	20.7	0.0	-0.2	252	0.0	0.0	0.0	0.0	0.0	
N	19	28.2	-3.8	-13.4	254	26.0	-6.8	-16.3	247	-2.1	-3.0	-2.8	4.2	4.8	
	20	35.8	-7.5	-26.6	254	36.5	-19.8	-26.1	233	0.7	-12.2	0.4	12.3	12.3	Mean CIELAB difference (5 steps)
	21	43.3	-11.3	-39.7	254	46.9	-24.6	-38.5	237	3.5	-13.3	1.2	13.4	13.9	ΔH*CIELAB = 6.0
C	22	50.9	-15.0	-52.9	254	50.9	-15.0	-52.9	254	0.0	0.0	0.0	0.0	0.0	ΔE*CIELAB = 6.2
Mean colour reproduction index:														R* _{ab,m} = 63	

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

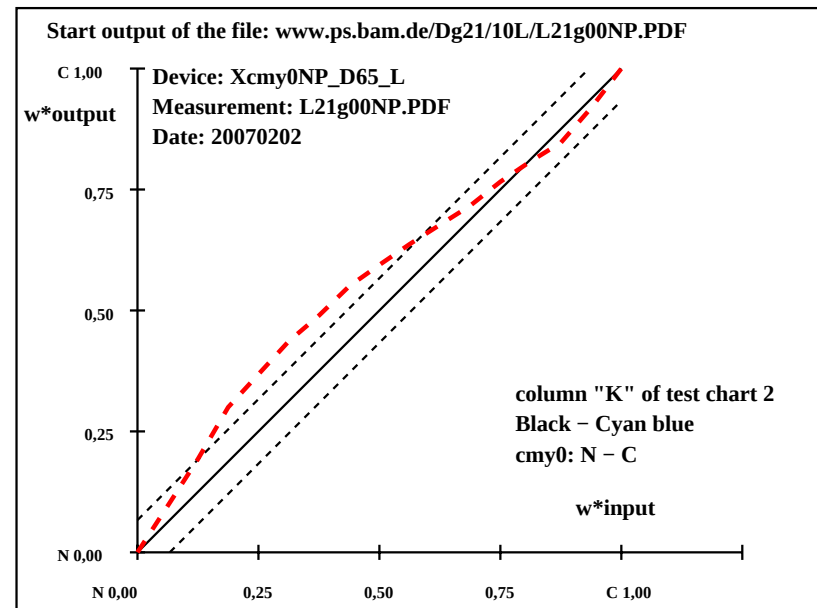


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "K"; *rgb*- and *cmy0*-input data, Page 11/24

T	i	LAB*a ₁ ref			hab ₁ ref	LAB*a ₂ out			hab ₂ out	LAB*a ₂ out/c-ref				ΔE^*	ΔE^*	Start output S1
N	1	29.2	3.2	0.3	5	29.2	3.2	0.3	5	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	30.8	1.7	-2.2	307	30.8	-1.6	-0.2	190	0.0	-3.3	2.0	3.9	3.9	9.0	ISO/IEC 15775:1999 Annex G
	3	32.4	0.2	-4.7	272	32.2	-6.5	-1.6	194	-0.1	-6.7	3.1	7.5	7.5	9.0	and DIN 33866-1:2000 Annex G
	4	34.1	-1.2	-7.3	260	33.1	-12.1	-3.1	195	-0.9	-10.8	4.2	11.7	11.7	9.0	relative CIELAB data used for "out"
	5	35.7	-2.7	-9.8	254	34.3	-15.5	-3.9	194	-1.3	-12.7	5.9	14.1	14.2	9.0	$\Delta L^* = 55.36 - 29.15$
	6	37.3	-4.2	-12.4	251	35.4	-18.6	-6.0	198	-1.9	-14.3	6.4	15.7	15.8	9.0	Regularity
	7	39.0	-5.7	-14.9	249	36.4	-21.0	-7.4	200	-2.4	-15.2	7.5	17.0	17.2	9.0	$g^* = 61.5$
	8	40.6	-7.2	-17.5	247	38.1	-23.7	-8.6	200	-2.4	-16.4	8.9	18.7	18.9	9.0	
	9	42.3	-8.8	-20.1	246	40.0	-25.1	-10.3	202	-2.2	-16.3	9.8	19.0	19.2	9.0	Lightness gamut relative to offset
	10	43.9	-10.3	-22.6	245	41.6	-25.9	-13.2	207	-2.2	-15.5	9.4	18.3	18.4	9.0	$f^* = 33.9$
11	45.5	-11.8	-25.2	245	43.6	-26.7	-15.1	210	-1.9	-14.8	10.1	18.0	18.1	9.0		
12	47.2	-13.3	-27.7	244	45.3	-25.9	-19.5	217	-1.8	-12.5	8.2	15.1	15.2	9.0	Black - Cyan blue	
13	48.8	-14.8	-30.3	244	47.0	-25.2	-24.0	224	-1.7	-10.3	6.3	12.2	12.3	9.0	cmY0: N - C	
14	50.4	-16.3	-32.8	244	48.5	-23.6	-28.3	230	-1.9	-7.2	4.5	8.6	8.8	9.0		
15	52.1	-17.8	-35.4	243	50.1	-22.7	-31.1	234	-1.9	-4.8	4.3	6.5	6.8	9.0	Mean CIELAB difference (17 steps)	
16	53.7	-19.3	-37.9	243	52.2	-21.4	-36.2	239	-1.4	-2.0	1.7	2.7	3.1	9.0	$\Delta H^*_{CIELAB} = 11.1$	
C	17	55.4	-20.8	-40.5	243	55.4	-20.8	-40.5	243	0.0	0.0	0.0	0.0	0.0	9.0	$\Delta E^*_{CIELAB} = 11.2$
N	18	29.2	3.2	0.3	5	29.2	3.2	0.3	5	0.0	0.0	0.0	0.0	0.0	0.0	
	19	35.7	-2.7	-9.8	254	34.3	-15.5	-3.9	194	-1.3	-12.7	5.9	14.1	14.2	9.0	
	20	42.3	-8.8	-20.1	246	40.0	-25.1	-10.3	202	-2.2	-16.3	9.8	19.0	19.2	9.0	Mean CIELAB difference (5 steps)
21	48.8	-14.8	-30.3	244	47.0	-25.2	-24.0	224	-1.7	-10.3	6.3	12.2	12.3	9.0	9.0	$\Delta H^*_{CIELAB} = 9.1$
C	22	55.4	-20.8	-40.5	243	55.4	-20.8	-40.5	243	0.0	0.0	0.0	0.0	0.0	9.0	$\Delta E^*_{CIELAB} = 9.1$
Mean colour reproduction index:															$R^*_{ab,m} = 51$	

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



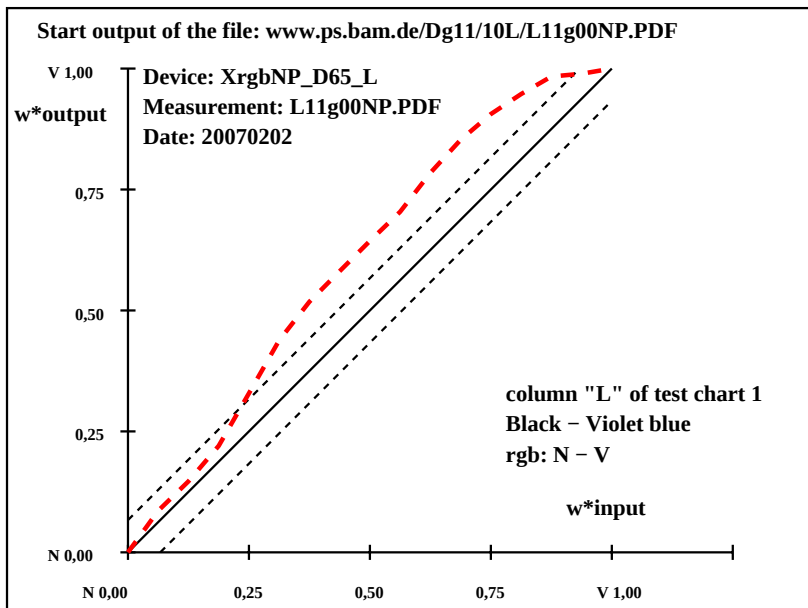
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH* ΔE*	Start output S1							
N	1	20.4	0.0	-0.2	252	20.4	0.0	-0.2	252	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	21.5	0.0	-3.3	270	19.5	-0.4	-4.6	264	-1.9	-0.4	-1.2	1.4	2.5	ISO/IEC 15775:1999 Annex G
	3	22.7	0.1	-6.3	271	19.3	-0.4	-7.8	266	-3.3	-0.5	-1.4	1.6	3.8	and DIN 33866-1:2000 Annex G
	4	23.8	0.1	-9.4	271	20.1	-0.8	-11.7	266	-3.6	-0.9	-2.2	2.5	4.5	relative CIELAB data used for "out"
	5	25.0	0.2	-12.5	271	22.1	-1.1	-17.3	266	-2.8	-1.3	-4.7	5.1	5.8	ΔL* = 38.83 – 20.35
	6	26.1	0.3	-15.5	271	24.3	-0.7	-22.8	268	-1.7	-1.0	-7.2	7.4	7.6	Regularity
	7	27.3	0.4	-18.6	271	25.7	0.2	-26.8	270	-1.5	-0.1	-8.1	8.2	8.4	g* = 28.9
	8	28.4	0.5	-21.6	271	27.0	0.9	-29.9	272	-1.4	0.4	-8.2	8.3	8.4	
	9	29.6	0.6	-24.7	271	27.9	1.8	-33.0	273	-1.5	1.3	-8.2	8.4	8.6	Lightness gamut relative to offset
	10	30.7	0.6	-27.8	271	29.2	2.7	-35.9	274	-1.5	2.1	-8.0	8.4	8.5	f* = 23.9
	11	31.9	0.7	-30.8	271	31.0	3.8	-39.7	275	-0.8	3.1	-8.8	9.4	9.4	
V	12	33.1	0.8	-33.9	271	32.7	4.4	-42.9	276	-0.3	3.6	-8.9	9.7	9.7	Black – Violet blue
	13	34.2	0.9	-37.0	271	33.8	5.2	-45.4	277	-0.3	4.3	-8.4	9.5	9.5	rgb: N – V
	14	35.4	1.0	-40.0	271	35.0	5.3	-47.3	276	-0.3	4.3	-7.2	8.5	8.5	
	15	36.5	1.0	-43.1	271	36.6	4.2	-48.9	275	0.1	3.2	-5.7	6.6	6.6	Mean CIELAB difference (17 steps)
	16	37.7	1.1	-46.1	271	37.2	3.3	-49.1	274	-0.4	2.2	-2.9	3.7	3.7	ΔH* _{CIELAB} = 5.8
N	17	38.8	1.2	-49.2	271	38.8	1.2	-49.2	271	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 6.2
	18	20.4	0.0	-0.2	252	20.4	0.0	-0.2	252	0.0	0.0	0.0	0.0	0.0	
	19	25.0	0.2	-12.5	271	22.1	-1.1	-17.3	266	-2.8	-1.3	-4.7	5.1	5.8	
	20	29.6	0.6	-24.7	271	27.9	1.8	-33.0	273	-1.5	1.3	-8.2	8.4	8.6	Mean CIELAB difference (5 steps)
	21	34.2	0.9	-37.0	271	33.8	5.2	-45.4	277	-0.3	4.3	-8.4	9.5	9.5	ΔH* _{CIELAB} = 4.6
	22	38.8	1.2	-49.2	271	38.8	1.2	-49.2	271	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 4.8
Mean colour reproduction index:								R* _{ab,m} = 73							

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

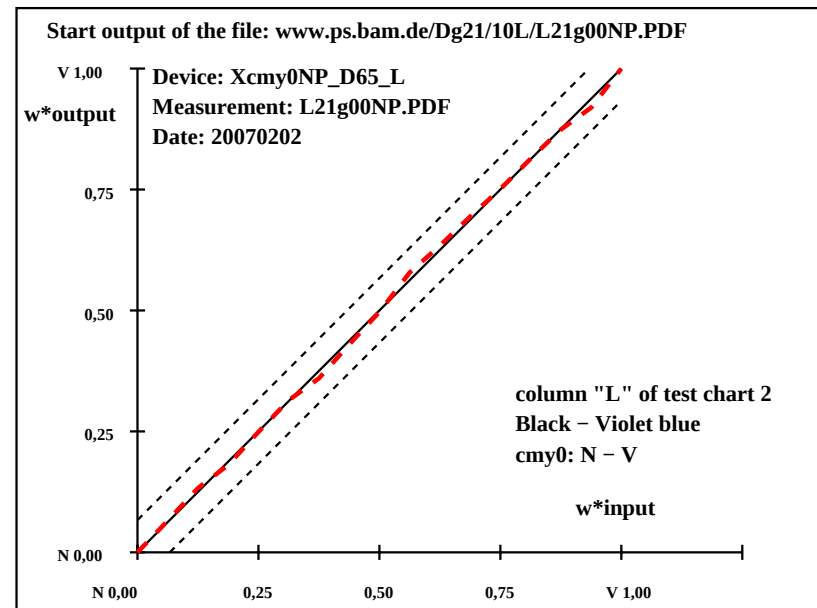


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "L"; *rgb*- and *cmy0*-input data, Page 12/24

T	i	LAB*a _{ref}		hab _{ref}	LAB*a _{out}		hab _{out}	LAB*a _{out} /c-ref				ΔH*	ΔE*	Start output S1		
N	1	28.9	2.7	0.4	8	28.9	2.7	0.4	8	0.0	0.0	0.0	0.0	0.0	Specification according to	
	2	28.7	3.7	-1.8	333	28.7	3.9	-1.8	334	0.0	0.2	0.0	0.2	0.2	ISO/IEC 15775:1999 Annex G	
	3	28.6	4.8	-0.4	319	28.7	4.1	-4.6	311	0.1	-0.6	-0.5	0.9	0.9	and DIN 33866-1:2000 Annex G	
	4	28.4	5.8	-6.3	312	28.1	5.2	-6.2	310	-0.2	-0.5	0.1	0.6	0.7	relative CIELAB data used for "out"	
	5	28.2	6.8	-8.6	308	27.7	6.7	-8.5	308	-0.5	0.0	0.1	0.1	0.6	ΔL* = 26.19 – 28.92	
	6	28.1	7.9	-10.8	306	27.0	7.3	-11.0	303	-1.0	-0.5	-0.1	0.6	1.2	Regularity	
	7	27.9	8.9	-13.1	304	26.7	8.1	-12.6	303	-1.1	-0.7	0.5	0.9	1.5	g* = 34.7	
	8	27.7	9.9	-15.3	303	26.3	8.5	-15.4	299	-1.4	-1.3	0.0	1.4	2.0		
	9	27.6	11.0	-17.6	302	26.5	9.9	-17.8	299	-1.0	-1.0	-0.1	1.1	1.5	Lightness gamut relative to offset	
	10	27.4	12.0	-19.9	301	26.2	11.1	-20.8	298	-1.1	-0.8	-0.8	1.3	1.8	f* = -3.4	
11	27.2	13.0	-22.1	300	25.9	12.5	-22.6	299	-1.2	-0.4	-0.4	0.7	1.5			
12	27.0	14.0	-24.4	300	26.0	12.8	-25.1	297	-0.9	-1.1	-0.6	1.4	1.8	Black – Violet blue		
13	26.9	15.1	-26.7	299	25.8	13.9	-27.1	297	-1.0	-1.1	-0.3	1.3	1.7	cmY0: N – V		
14	26.7	16.1	-28.9	299	25.8	14.9	-29.4	297	-0.8	-1.1	-0.4	1.3	1.6			
15	26.5	17.1	-31.2	299	26.1	16.2	-31.5	297	-0.4	-0.8	-0.2	1.0	1.1	Mean CIELAB difference (17 steps)		
16	26.4	18.2	-33.4	298	26.1	17.3	-33.0	298	-0.2	-0.8	0.4	1.0	1.0	ΔH* _{CIELAB} = 0.8		
V	17	26.2	19.2	-35.7	298	26.2	19.2	-35.7	298	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 1.1	
N	18	28.9	2.7	0.4	8	28.9	2.7	0.4	8	0.0	0.0	0.0	0.0	0.0		
	19	28.2	6.8	-8.6	308	27.7	6.7	-8.5	308	-0.5	0.0	0.1	0.1	0.6		
	20	27.6	11.0	-17.6	302	26.5	9.9	-17.8	299	-1.0	-1.0	-0.1	1.1	1.5	Mean CIELAB difference (5 steps)	
21	26.9	15.1	-26.7	299	25.8	13.9	-27.1	297	-1.0	-1.1	-0.3	1.3	1.7	ΔH* _{CIELAB} = 0.5		
V	22	26.2	19.2	-35.7	298	26.2	19.2	-35.7	298	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 0.8	
Mean colour reproduction index:										R* _{ab,m} = 95						

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



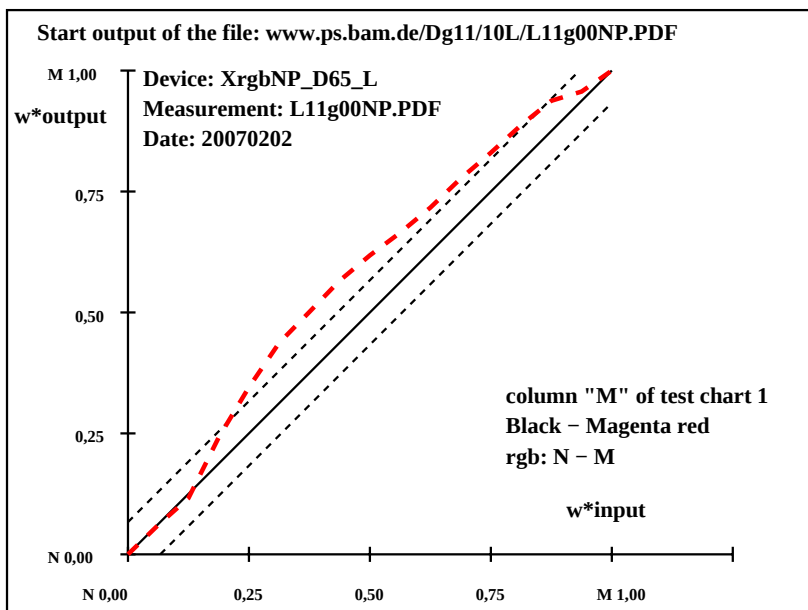
De181-7N, ; Device: Xcmy0NP_D65 L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH* ΔE*	Start output S1									
N	1	20.8	0.0	-0.2	252	20.8	0.0	-0.2	252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	22.3	4.4	-0.6	351	19.5	2.0	-4.1	295	-2.8	-2.3	-3.4	4.2	5.1			ISO/IEC 15775:1999 Annex G
	3	23.9	8.8	-1.0	353	19.9	6.6	-5.9	318	-3.9	-2.1	-4.9	5.4	6.8			and DIN 33866-1:2000 Annex G
	4	25.5	13.3	-1.3	354	21.8	15.4	-10.0	327	-3.6	2.1	-8.6	8.9	9.7			relative CIELAB data used for "out"
	5	27.1	17.8	-1.7	354	23.7	22.3	-13.6	328	-3.3	4.5	-11.8	12.7	13.2			ΔL* = 46.19 - 20.76
	6	28.7	22.2	-2.1	354	25.2	28.4	-16.7	329	-3.4	6.2	-14.5	15.9	16.3			Regularity
	7	30.3	26.7	-2.5	355	27.0	32.9	-18.2	331	-3.2	6.2	-15.6	16.9	17.3			g* = 34.3
	8	31.9	31.1	-2.8	355	29.2	37.5	-19.3	333	-2.6	6.4	-16.4	17.7	17.9			
	9	33.5	35.6	-3.2	355	30.7	41.7	-19.2	335	-2.6	6.1	-15.9	17.1	17.3			Lightness gamut relative to offset
	10	35.1	40.1	-3.6	355	32.6	45.5	-18.5	338	-2.3	5.4	-14.8	15.9	16.1			f* = 32.9
	11	36.7	44.5	-4.0	355	34.8	49.9	-16.7	341	-1.7	5.4	-12.6	13.8	14.0			
	12	38.2	49.0	-4.3	355	37.1	54.5	-15.7	344	-1.1	5.5	-11.3	12.6	12.7			Black – Magenta red
	13	39.8	53.5	-4.7	355	39.3	58.9	-12.8	348	-0.4	5.4	-8.0	9.8	9.8			rgb: N – M
	14	41.4	57.9	-5.1	355	41.7	63.0	-11.6	349	0.3	5.1	-6.4	8.3	8.3			
	15	43.0	62.4	-5.5	355	43.6	66.7	-10.1	351	0.6	4.3	-4.5	6.4	6.4			Mean CIELAB difference (17 steps)
	16	44.6	66.8	-5.8	355	44.4	68.1	-9.1	352	-0.1	1.3	-3.2	3.5	3.5			ΔH* ^{CIELAB} = 10.0
M	17	46.2	71.3	-6.2	355	46.2	71.3	-6.2	355	0.0	0.0	0.0	0.0	0.0			ΔE* ^{CIELAB} = 10.2
N	18	20.8	0.0	-0.2	252	20.8	0.0	-0.2	252	0.0	0.0	0.0	0.0	0.0			
	19	27.1	17.8	-1.7	354	23.7	22.3	-13.6	328	-3.3	4.5	-11.8	12.7	13.2			
	20	33.5	35.6	-3.2	355	30.7	41.7	-19.2	335	-2.6	6.1	-15.9	17.1	17.3			Mean CIELAB difference (5 steps)
	21	39.8	53.5	-4.7	355	39.3	58.9	-12.8	348	-0.4	5.4	-8.0	9.8	9.8			ΔH* ^{CIELAB} = 7.9
M	22	46.2	71.3	-6.2	355	46.2	71.3	-6.2	355	0.0	0.0	0.0	0.0	0.0			ΔE* ^{CIELAB} = 8.1
Mean colour reproduction index:																	R* _{ab,m} = 55

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

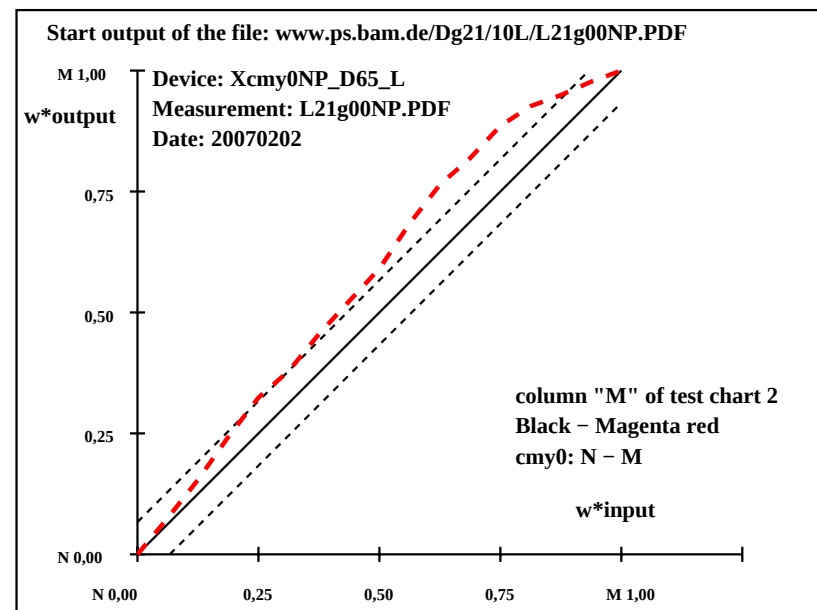


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "M"; *rgb*- and *cmY0*-input data, Page 13/24

T	i	LAB*a _{ref}		hab _{ref}	LAB*a _{out}		hab _{out}	LAB*a _{out} /c _{ref} ΔH* ΔE*				Start output S1						
N	1	29.3	1.6	0.7	24	29.3	1.6	0.7	24	0.0	0.0	0.0	0.0	0.0	Specification according to			
	2	30.5	5.3	0.4	4	30.3	6.1	-0.1	358	0.0	0.8	-0.5	1.0	1.0	ISO/IEC 15775:1999 Annex G			
	3	31.6	9.1	0.0	0	30.4	10.9	-1.4	352	-1.0	1.8	-1.4	2.4	2.6	and DIN 33866-1:2000 Annex G			
	4	32.7	12.8	-0.2	359	31.4	16.4	-1.7	354	-1.2	3.6	-1.4	3.9	4.1	relative CIELAB data used for "out"			
	5	33.8	16.5	-0.6	358	31.9	21.5	-1.8	355	-1.8	5.0	-1.1	5.1	5.5	ΔL* = 47.2 – 29.34			
	6	34.9	20.2	-0.9	357	33.0	24.9	-1.2	357	-1.8	4.7	-0.2	4.7	5.1	Regularity			
	7	36.0	24.0	-1.3	357	33.9	29.6	-1.0	358	-2.0	5.6	0.3	5.7	6.0	g* = 40.0			
	8	37.2	27.7	-1.6	356	35.1	33.7	-1.4	357	-2.0	6.0	0.2	6.0	6.4				
	9	38.3	31.4	-2.0	356	35.9	37.8	-1.7	357	-2.2	6.4	0.3	6.4	6.8	Lightness gamut relative to offset			
	10	39.4	35.1	-2.3	356	38.4	43.2	-2.7	356	-0.9	8.1	-0.3	8.1	8.1	f* = 23.1			
M	11	40.5	38.9	-2.6	356	39.8	47.9	-4.1	355	-0.6	9.1	-1.4	9.2	9.2				
	12	41.6	42.6	-3.0	356	41.6	50.9	-5.2	354	0.0	8.3	-2.1	8.6	8.6	Black – Magenta red			
	13	42.7	46.3	-3.3	356	42.3	55.1	-4.7	355	-0.4	8.8	-1.3	8.9	8.9	cmY0: N – M			
	14	43.9	50.0	-3.7	356	43.2	57.5	-4.8	355	-0.6	7.5	-1.0	7.6	7.6				
	15	45.0	53.8	-4.0	356	44.7	58.6	-4.8	355	-0.2	4.8	-0.7	4.9	4.9	Mean CIELAB difference (17 steps)			
	16	46.1	57.5	-4.4	356	45.5	60.1	-5.5	355	-0.5	2.6	-1.0	2.9	2.9	ΔH* _{CIELAB} = 5.0			
	17	47.2	61.2	-4.7	356	47.2	61.2	-4.7	356	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 5.2			
	18	29.3	1.6	0.7	24	29.3	1.6	0.7	24	0.0	0.0	0.0	0.0	0.0				
	19	33.8	16.5	-0.6	358	31.9	21.5	-1.8	355	-1.8	5.0	-1.1	5.1	5.5				
	20	38.3	31.4	-2.0	356	35.9	37.8	-1.7	357	-2.2	6.4	0.3	6.4	6.8	Mean CIELAB difference (5 steps)			
M	21	42.7	46.3	-3.3	356	42.3	55.1	-4.7	355	-0.4	8.8	-1.3	8.9	8.9	ΔH* _{CIELAB} = 4.1			
	22	47.2	61.2	-4.7	356	47.2	61.2	-4.7	356	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 4.2			
Mean colour reproduction index: R* _{ab,m} = 77																		

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



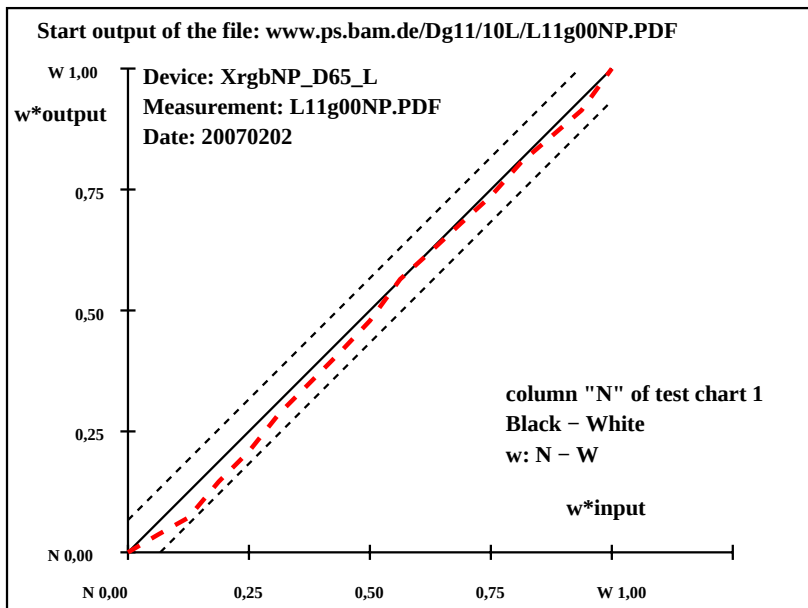
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-refΔH*	ΔE*	Start output S1								
N	1	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	25.9	0.0	-0.1	242	24.0	0.0	0.0	270	-1.8	0.1	0.1	0.1	1.9		ISO/IEC 15775:1999 Annex G
	3	30.6	0.0	-0.1	240	26.6	0.0	0.0	0	-3.9	0.1	0.2	0.2	4.0		and DIN 33866-1:2000 Annex G
	4	35.2	0.0	-0.1	238	32.1	0.0	0.0	0	-3.0	0.1	0.2	0.2	3.1		relative CIELAB data used for "out"
	5	39.8	0.0	-0.1	236	36.8	0.0	0.1	90	-3.0	0.1	0.3	0.3	3.1		ΔL* = 95.51 - 21.27
	6	44.5	0.0	0.0	234	42.6	0.0	0.0	270	-1.8	0.1	0.0	0.1	1.9		Regularity
	7	49.1	0.0	0.0	231	47.2	0.0	0.0	0	-1.8	0.1	0.1	0.2	1.9		g* = 77.3
	8	53.8	0.0	0.0	228	51.9	0.0	0.1	90	-1.8	0.1	0.2	0.2	1.9		
Z	9	58.4	0.0	0.0	225	56.8	0.0	0.3	108	-1.5	0.0	0.4	0.4	1.6		Lightness gamut relative to offset
	10	63.0	0.0	0.0	221	63.2	0.0	0.0	180	0.1	0.0	0.1	0.1	0.2		f* = 95.9
	11	67.7	0.0	0.0	217	67.4	0.0	0.0	0	-0.2	0.1	0.1	0.1	0.3		
	12	72.3	0.0	0.0	212	71.7	0.0	0.3	90	-0.5	0.1	0.4	0.4	0.7		Black – White
	13	77.0	0.0	0.0	207	75.9	0.0	0.1	90	-0.9	0.1	0.2	0.2	1.0		w: N – W
	14	81.6	0.0	0.0	201	81.1	0.0	0.1	90	-0.4	0.1	0.1	0.1	0.2	0.5	
	15	86.2	0.0	0.0	194	85.1	0.0	0.1	90	-1.0	0.1	0.1	0.2	1.2		Mean CIELAB difference (17 steps)
	16	90.9	0.0	0.0	187	89.1	0.0	0.0	0	-1.7	0.1	0.0	0.1	1.8		ΔH*CIELAB = 0.2
W	17	95.5	0.0	0.0	180	95.5	0.0	0.0	180	0.0	0.0	0.0	0.0	0.0		ΔE*CIELAB = 1.5
N	18	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243	0.0	0.0	0.0	0.0	0.0		
	19	39.8	0.0	-0.1	236	36.8	0.0	0.1	90	-3.0	0.1	0.3	0.3	3.1		
Z	20	58.4	0.0	0.0	225	56.8	0.0	0.3	108	-1.5	0.0	0.4	0.4	1.6		Mean CIELAB difference (5 steps)
	21	77.0	0.0	0.0	207	75.9	0.0	0.1	90	-0.9	0.1	0.2	0.2	1.0		ΔH*CIELAB = 0.2
W	22	95.5	0.0	0.0	180	95.5	0.0	0.0	180	0.0	0.0	0.0	0.0	0.0		ΔE*CIELAB = 1.1
Mean colour reproduction index:																R* _{ab,m} = 94

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

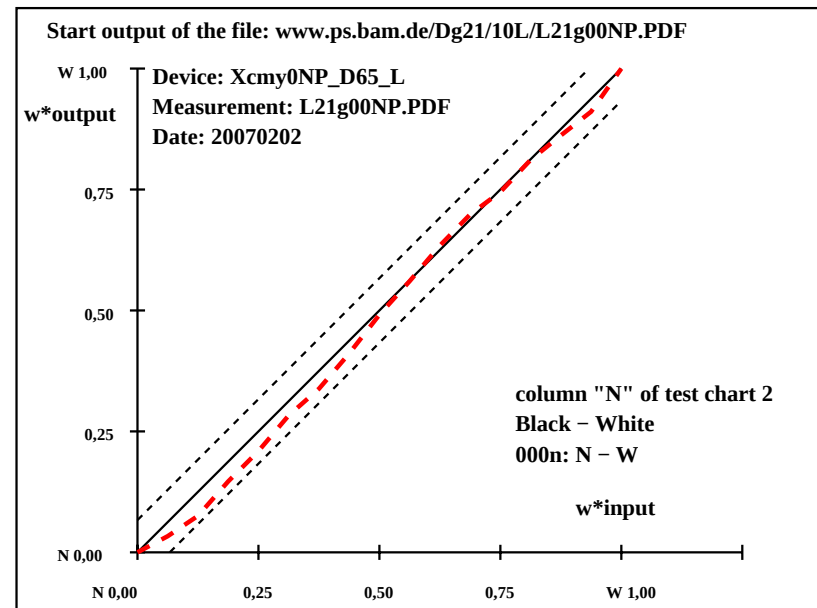


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "N"; *rgb*- and *cmy0*-input data, Page 14/24

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH^*	ΔE^*	Start output S1
N	1	22.6	0.2	7.1 88	22.6	0.2	7.1 88	0.0 0.0 0.0 0.0 0.0	Specification according to
	2	27.2	0.2	6.7 88	25.1	0.3	7.2 88	-2.0 0.1 0.5 0.5 2.2	ISO/IEC 15775:1999 Annex G
	3	31.7	0.2	6.2 88	28.1	0.3	6.9 88	-3.5 0.1 0.7 0.7 3.7	and DIN 33866-1:2000 Annex G
	4	36.3	0.2	5.8 88	33.3	0.2	6.3 88	-2.9 0.0 0.5 0.5 3.0	relative CIELAB data used for "out"
	5	40.8	0.2	5.4 88	37.9	0.2	5.9 88	-2.8 0.1 0.5 0.5 3.0	$\Delta L^* = 95.42 - 22.63$
	6	45.4	0.1	4.9 88	43.2	0.1	5.3 89	-2.0 0.0 0.4 0.4 2.2	Regularity
	7	49.9	0.1	4.5 88	47.2	0.1	4.8 89	-2.6 0.0 0.3 0.3 2.7	$g^* = 74.4$
	8	54.5	0.1	4.1 88	52.6	0.1	4.4 89	-1.8 0.0 0.3 0.3 1.9	
Z	9	59.0	0.1	3.7 88	58.4	0.0	3.9 90	-0.5 0.0 0.3 0.3 0.7	Lightness gamut relative to offset
	10	63.6	0.1	3.2 88	63.4	0.1	3.2 88	0.0 0.0 0.0 0.0 0.1	$f^* = 94.0$
	11	68.1	0.1	2.8 88	68.8	0.0	2.7 90	0.7 0.0 0.0 0.1 0.7	
	12	72.7	0.1	2.4 88	73.5	0.0	2.5 90	0.8 0.0 0.1 0.2 0.8	Black – White
	13	77.2	0.1	1.9 89	76.9	0.1	1.9 87	-0.3 0.1 0.0 0.1 0.4	000n: N – W
	14	81.8	0.0	1.5 89	81.7	0.0	1.6 90	0.0 0.0 0.1 0.1 0.1	
	15	86.3	0.0	1.1 89	85.4	0.0	1.0 90	-0.9 0.0 0.0 0.1 1.0	Mean CIELAB difference (17 steps)
	16	90.9	0.0	0.6 89	88.9	0.0	0.7 90	-1.9 0.0 0.1 0.1 2.0	$\Delta H^*_{CIELAB} = 0.2$
	17	95.4	0.0	0.2 90	95.4	0.0	0.2 90	0.0 0.0 0.0 0.0 0.0	$\Delta E^*_{CIELAB} = 1.4$
W	18	22.6	0.2	7.1 88	22.6	0.2	7.1 88	0.0 0.0 0.0 0.0 0.0	
	19	40.8	0.2	5.4 88	37.9	0.2	5.9 88	-2.8 0.1 0.5 0.5 3.0	
Z	20	59.0	0.1	3.7 88	58.4	0.0	3.9 90	-0.5 0.0 0.3 0.3 0.7	Mean CIELAB difference (5 steps)
	21	77.2	0.1	1.9 89	76.9	0.1	1.9 87	-0.3 0.1 0.0 0.1 0.4	$\Delta H^*_{CIELAB} = 0.2$
W	22	95.4	0.0	0.2 90	95.4	0.0	0.2 90	0.0 0.0 0.0 0.0 0.0	$\Delta E^*_{CIELAB} = 0.8$
Mean colour reproduction index:									$R^*_{ab,m} = 94$

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



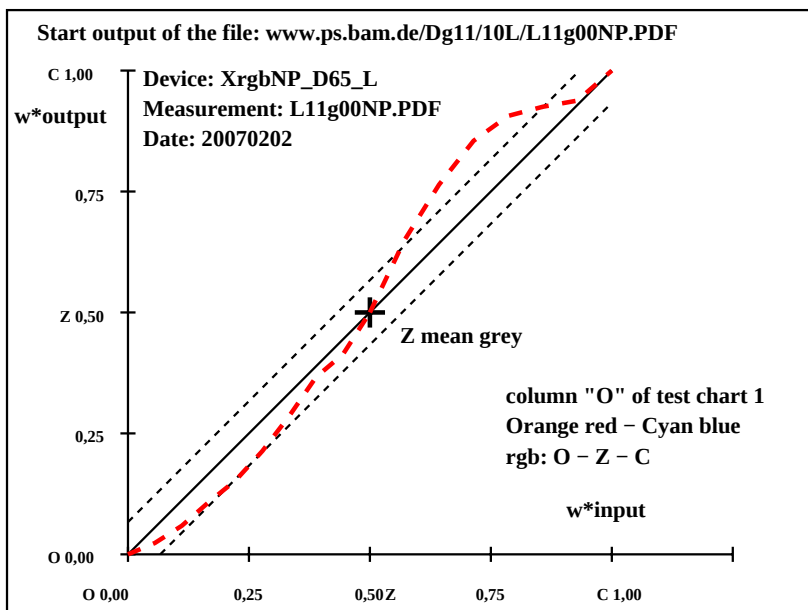
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1						
O	1	46.3	60.2	39.9	34	46.3	60.2	39.9	34	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	47.8	52.7	34.9	34	45.8	58.4	36.2	32	-1.9	5.7	1.3	5.9	6.2	ISO/IEC 15775:1999 Annex G
	3	49.3	45.2	30.0	34	44.3	55.0	31.1	29	-5.0	9.8	1.1	9.9	11.1	and DIN 33866-1:2000 Annex C
	4	50.8	37.6	25.0	34	43.6	50.4	23.8	25	-7.2	12.8	-1.1	12.8	14.7	
	5	52.3	30.1	20.0	34	44.6	43.7	18.6	23	-7.6	13.6	-1.3	13.7	15.7	
	6	53.8	22.6	15.0	34	46.1	32.9	13.8	23	-7.6	10.3	-1.1	10.4	13.0	Regularity
	7	55.3	15.1	10.0	34	49.6	19.9	9.5	26	-5.6	4.9	-0.4	4.9	7.5	$g^* = 12.5$
	8	56.8	7.5	5.1	34	55.4	7.8	2.8	20	-1.3	0.3	-2.2	2.3	2.7	
Z	9	58.4	0.0	0.1	90	58.4	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0	
	10	57.3	-1.7	-6.5	255	57.3	-8.2	-8.0	224	0.1	-6.4	-1.4	6.7	6.7	
	11	56.2	-3.4	-13.2	255	50.7	-15.3	-17.9	229	-5.4	-11.8	-4.6	12.8	13.9	
	12	55.1	-5.2	-19.9	255	47.3	-19.9	-26.5	233	-7.7	-14.6	-6.5	16.1	17.9	Orange red – Cyan blue
	13	54.0	-7.0	-26.6	255	46.5	-22.0	-35.0	238	-7.4	-15.0	-8.3	17.2	18.8	rgb: O – Z – C
	14	52.9	-8.7	-33.3	255	48.0	-23.4	-40.1	240	-4.8	-14.6	-6.7	16.2	16.9	
	15	51.8	-10.5	-40.0	255	47.4	-20.5	-43.4	245	-4.4	-9.9	-3.3	10.6	11.5	Mean CIELAB difference (17 steps)
	16	50.7	-12.2	-46.7	255	47.9	-20.1	-45.0	246	-2.7	-7.8	1.7	8.0	8.5	$\Delta H^*_{CIELAB} = 8.7$
C	17	49.6	-14.0	-53.4	255	49.6	-14.0	-53.4	255	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 9.7$
O	18	46.3	60.2	39.9	34	46.3	60.2	39.9	34	0.0	0.0	0.0	0.0	0.0	
	19	52.3	30.1	20.0	34	44.6	43.7	18.6	23	-7.6	13.6	-1.3	13.7	15.7	
Z	20	58.4	0.0	0.1	90	58.4	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0	Mean CIELAB difference (5 steps)
	21	54.0	-7.0	-26.6	255	46.5	-22.0	-35.0	238	-7.4	-15.0	-8.3	17.2	18.8	$\Delta H^*_{CIELAB} = 6.2$
C	22	49.6	-14.0	-53.4	255	49.6	-14.0	-53.4	255	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 6.9$

De180-3N.; Device: XrgbNP D65 L; Measurement: L11g00NP.PDF; Date: 20070202

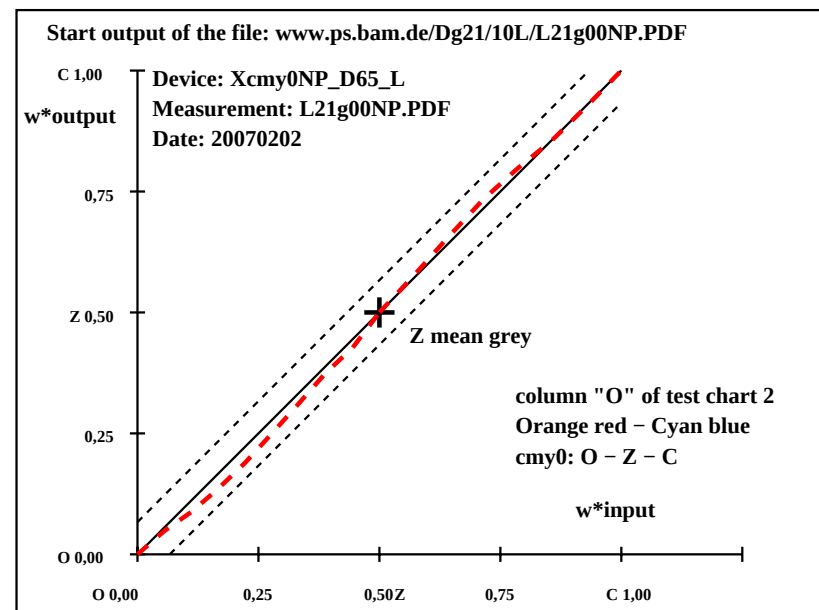


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "O"; *rgb*- and *cmy0*-input data, Page 15/24

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1						
O	1	48.3	58.2	45.6	38	48.3	58.2	45.6	38	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	48.9	50.7	40.7	39	48.7	51.8	40.6	38	-0.1	1.1	0.0	1.1	1.1	ISO/IEC 15775:1999 Annex G
	3	49.5	43.2	35.9	40	49.3	47.3	35.8	37	-0.2	4.1	0.0	4.1	4.1	and DIN 33866-1:2000 Annex G
	4	50.2	35.7	31.0	41	50.4	41.2	30.6	37	0.3	5.5	-0.3	5.5	5.5	
	5	50.8	28.2	26.2	43	51.3	33.0	26.5	39	0.5	4.8	0.4	4.8	4.8	
Z	6	51.5	20.7	21.3	46	51.5	24.3	21.1	41	0.1	3.6	-0.1	3.6	3.6	Regularity
	7	52.1	13.2	16.4	51	52.4	14.4	17.2	50	0.3	1.2	0.8	1.4	1.5	$g^* = 17.2$
	8	52.7	5.7	11.6	64	53.3	5.4	11.7	65	0.6	-0.2	0.1	0.3	0.7	
	9	53.4	-1.7	6.7	105	53.4	-1.7	6.7	105	0.0	0.0	0.0	0.0	0.0	
	10	53.6	-4.0	0.8	169	53.5	-8.1	0.8	174	0.0	-4.0	0.0	4.1	4.1	
C	11	53.9	-6.3	-5.0	218	53.5	-13.0	-3.3	195	-0.3	-6.6	1.7	6.9	6.9	
	12	54.1	-8.6	-10.9	232	53.8	-16.8	-9.0	208	-0.3	-8.1	1.9	8.4	8.4	Orange red – Cyan blue
	13	54.4	-20.2	-16.8	237	52.9	-20.0	-14.8	217	-1.4	-9.0	2.0	9.3	9.4	cmY0: O – Z – C
	14	54.6	-13.3	-22.7	240	53.9	-21.8	-20.3	223	-0.6	-8.4	2.4	8.9	8.9	
	15	54.9	-15.6	-28.6	241	53.9	-21.3	-26.5	231	-0.9	-5.6	2.1	6.1	6.2	Mean CIELAB difference (17 steps)
O	16	55.1	-17.9	-34.5	243	54.5	-21.3	-33.2	237	-0.5	-3.3	1.3	3.7	3.7	$\Delta H^*_{CIELAB} = 4.0$
	17	55.4	-20.2	-40.4	243	55.4	-20.2	-40.4	243	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 4.1$
	18	48.3	58.2	45.6	38	48.3	58.2	45.6	38	0.0	0.0	0.0	0.0	0.0	
	19	50.8	28.2	26.2	43	51.3	33.0	26.5	39	0.5	4.8	0.4	4.8	4.8	
	20	53.4	-1.7	6.7	105	53.4	-1.7	6.7	105	0.0	0.0	0.0	0.0	0.0	Mean CIELAB difference (5 steps)
Z	21	54.4	-11.0	-16.8	237	52.9	-20.0	-14.8	217	-1.4	-9.0	2.0	9.3	9.4	$\Delta H^*_{CIELAB} = 2.8$
	22	55.4	-20.2	-40.4	243	55.4	-20.2	-40.4	243	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 2.8$

De181-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



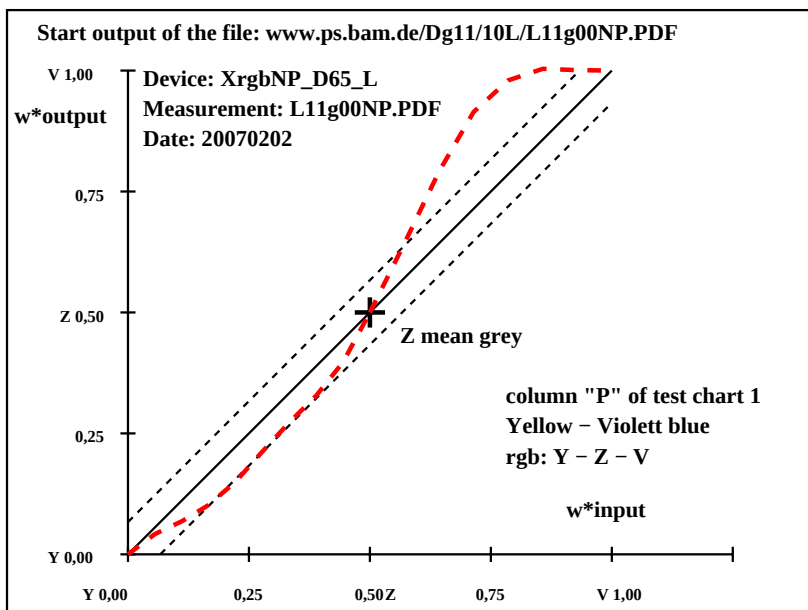
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1
Y	1	90.8-16.9	112.2	99	90.8-16.9	112.2	99	0.0 0.0 0.0 0.0 0.0	Specification according to
	2	86.7-14.8	98.2	99	84.3-15.2	101.7	99	-2.2 -0.3 3.5 3.6 4.3	ISO/IEC 15775:1999 Annex G
	3	82.5-12.7	84.1	99	81.2-15.2	94.4	99	-1.2 -2.5 10.3 10.6 10.6	and DIN 33866-1:2000 Annex G
	4	78.3-10.5	70.1	99	78.4-14.6	84.6	100	0.0 -4.0 14.5 15.0 15.0	
	5	74.2-8.4	56.1	99	75.0-13.7	70.5	101	0.8 -5.2 14.4 15.3 15.4	
	6	70.0-6.3	42.1	99	72.2-11.7	52.0	103	2.2 -5.3 9.9 11.3 11.5	Regularity
	7	65.9-4.2	28.1	99	68.1-9.2	34.7	105	2.2 -5.0 6.6 8.4 8.6	$g^* = 6.9$
	8	61.7-2.0	14.0	99	65.1-5.6	18.7	107	3.4 -3.5 4.7 5.9 6.8	
Z	9	57.6	0.0	0.0	0	57.6	0.0	0.0 0 0 0.0 0.0 0.0	
	10	55.1	0.2	-6.1	272	53.9	-0.1-13.2	269 -1.1 -0.3 -7.0 7.1 7.2	
	11	52.7	0.4	-12.3	272	49.2	-1.6-23.5	266 -3.4 -2.0-11.1 11.4 11.9	
	12	50.3	0.6	-18.5	272	42.6	-0.2-33.5	269 -7.6 -0.8-14.9 15.0 16.9	Yellow - Violet blue
	13	47.9	0.8	-24.7	272	36.8	2.9-41.4	274 -11.0 2.1-16.6 16.8 20.2	rgb: Y - Z - V
	14	45.5	1.0	-30.9	272	34.5	5.3-45.8	277 -10.9 4.3-14.8 15.5 19.0	
	15	43.1	1.2	-37.1	272	35.2	5.7-48.2	277 -7.8 4.5-11.0 12.0 14.3	Mean CIELAB difference (17 steps)
	16	40.6	1.4	-43.3	272	36.5	4.2-48.7	275 -4.1 2.8 -5.3 6.1 7.4	$\Delta H^*_{CIELAB} = 9.1$
V	17	38.2	1.6	-49.5	272	38.2	1.6-49.5	272 0.0 0.0 0.0 0.0 0.0	$\Delta E^*_{CIELAB} = 10.0$
Y	18	90.8-16.9	112.2	99	90.8-16.9	112.2	99	0.0 0.0 0.0 0.0 0.0	
	19	74.2-8.4	56.1	99	75.0-13.7	70.5	101	0.8 -5.2 14.4 15.3 15.4	
Z	20	57.6	0.0	0.0	0	57.6	0.0	0.0 0 0 0.0 0.0 0.0	Mean CIELAB difference (5 steps)
	21	47.9	0.8	-24.7	272	36.8	2.9-41.4	274 -11.0 2.1-16.6 16.8 20.2	$\Delta H^*_{CIELAB} = 6.4$
V	22	38.2	1.6	-49.5	272	38.2	1.6-49.5	272 0.0 0.0 0.0 0.0 0.0	$\Delta E^*_{CIELAB} = 7.1$

De180-3N.; Device: XrgbNP D65 L; Measurement: L11g00NP.PDF; Date: 20070202

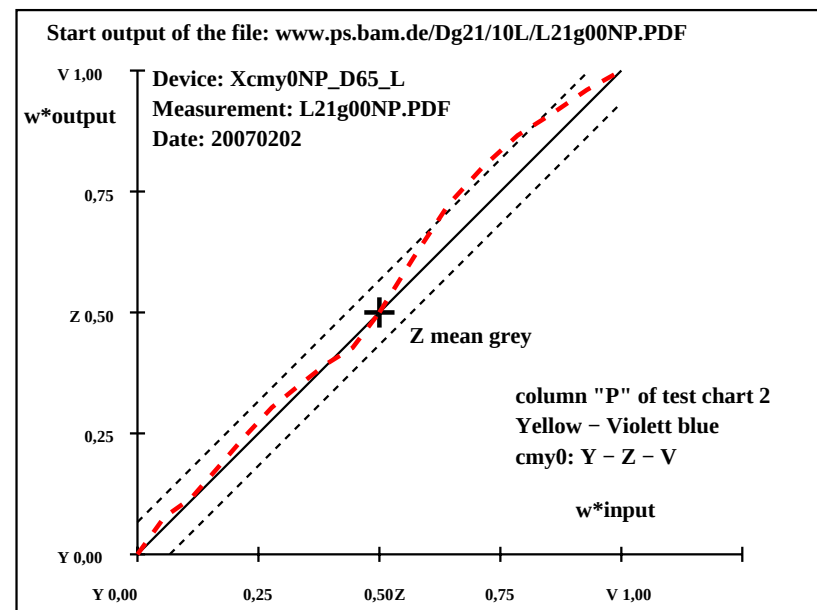


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "P"; *rgb*- and *cmy0*-input data, Page 16/24

T	i	LAB*a.ref	hab.ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1						
Y	1	90.9	-17.3	110.7	99	90.9	-17.3	110.7	99	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	86.3	-15.2	97.7	99	83.1	-15.0	92.3	99	-3.1	0.2	-5.3	5.4	6.3	ISO/IEC 15775:1999 Annex G
	3	81.6	-13.1	84.7	99	79.6	-14.6	82.6	100	-1.9	-1.4	-2.0	2.6	3.3	and DIN 33866-1:2000 Annex G
	4	77.0	-11.0	71.7	99	75.2	-12.1	66.7	100	-1.7	-1.0	-4.9	5.2	5.5	
	5	72.3	-8.9	58.8	99	70.5	-9.4	50.7	101	-1.7	-0.5	-7.9	8.1	8.3	
	6	67.6	-6.7	45.8	98	65.8	-6.8	36.1	101	-1.7	0.0	-9.6	9.7	9.8	Regularity
	7	63.0	-4.6	32.8	98	61.8	-4.2	25.2	100	-1.0	0.4	-7.5	7.6	7.7	$g^* = 51.7$
	8	58.3	-2.5	19.8	98	57.8	-2.1	14.7	99	-0.4	0.4	-5.0	5.1	5.1	
Z	9	53.7	-0.4	6.8	94	53.7	-0.4	6.8	94	0.0	0.0	0.0	0.0	0.0	
	10	50.3	1.9	1.5	38	49.1	1.8	-0.8	333	-1.0	0.0	-2.3	2.4	2.7	
	11	46.9	4.4	-3.7	319	45.3	6.0	-9.4	302	-1.6	1.6	-5.6	6.0	6.2	
	12	43.5	6.8	-9.0	307	41.0	8.4	-17.8	295	-2.4	1.6	-8.7	9.0	9.3	Yellow – Violet blue
	13	40.1	9.3	-14.3	303	37.2	11.5	-22.9	297	-2.9	2.3	-8.6	8.9	9.4	cmY0: Y – Z – V
	14	36.8	11.7	-19.5	301	33.8	13.1	-27.4	295	-2.9	1.4	-7.8	8.0	8.5	
	15	33.4	14.1	-24.8	300	31.7	15.3	-30.2	297	-1.6	1.2	-5.3	5.5	5.8	Mean CIELAB difference (17 steps)
	16	30.0	16.6	-30.1	299	28.7	17.4	-32.9	298	-1.2	0.8	-2.7	2.9	3.2	$\Delta H^*_{CIELAB} = 5.1$
V	17	26.6	19.0	-35.4	298	26.6	19.0	-35.4	298	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 5.4$
Y	18	90.9	-17.3	110.7	99	90.9	-17.3	110.7	99	0.0	0.0	0.0	0.0	0.0	
	19	72.3	-8.9	58.8	99	70.5	-9.4	50.7	101	-1.7	-0.5	-7.9	8.1	8.3	
Z	20	53.7	-0.4	6.8	94	53.7	-0.4	6.8	94	0.0	0.0	0.0	0.0	0.0	Mean CIELAB difference (5 steps)
	21	40.1	9.3	-14.3	303	37.2	11.5	-22.9	297	-2.9	2.3	-8.6	8.9	9.4	$\Delta H^*_{CIELAB} = 3.4$
V	22	26.6	19.0	-35.4	298	26.6	19.0	-35.4	298	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 3.5$

De181-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

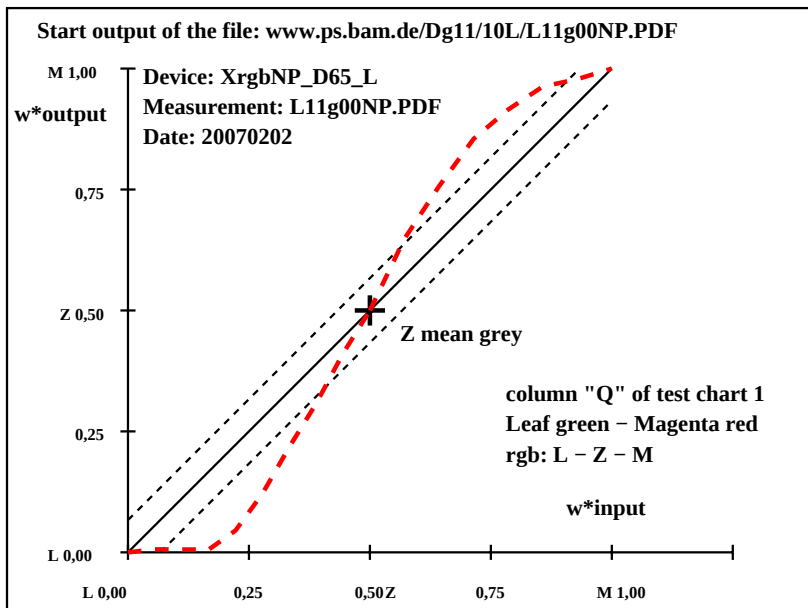
BAM registration: 20080301-De18/10/L18E0GNP.PS.PDF BAM material: code=rha4ta
application for output of monitor, data projector, or printer systems

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1						
L	1	47.5	-66.6	39.0	150	47.5	-66.6	39.0	150	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	48.8	-58.3	34.1	150	47.8	-65.5	38.7	149	-0.9	-7.1	4.6	8.6	8.6	ISO/IEC 15775:1999 Annex G
	3	50.1	-49.9	29.3	150	47.5	-66.1	38.0	150	-2.5	-16.1	8.7	18.4	18.6	and DIN 33866-1:2000 Annex G
	4	51.4	-41.6	24.4	150	48.0	-65.8	38.5	150	-3.3	-24.1	14.1	28.0	28.2	
	5	52.7	-33.3	19.6	150	48.9	-58.8	35.8	149	-3.7	-25.5	16.3	30.3	30.5	
	6	54.0	-24.9	14.7	150	50.7	-47.1	27.3	150	-3.2	-22.1	12.6	25.5	25.7	Regularity
	7	55.3	-16.6	9.8	149	53.9	-31.5	18.3	150	-1.3	-14.8	8.5	17.2	17.2	$g^* = 8.5$
	8	56.6	-8.2	5.0	149	58.0	-15.1	13.8	138	1.4	-6.8	8.8	11.2	11.3	
Z	9	57.9	0.0	0.1	90	57.9	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0	
	10	56.4	8.9	-0.5	356	51.9	9.7	-10.6	312	-4.5	0.8	-10.0	10.1	11.1	
	11	54.9	17.9	-1.3	356	45.7	24.8	-17.1	325	-9.2	6.9	-15.7	17.3	19.6	
	12	53.4	26.8	-2.0	355	42.7	37.7	-19.1	333	-10.6	10.9	-17.0	20.3	22.9	Leaf green – Magenta red
	13	51.9	35.8	-2.8	355	41.0	50.6	-17.3	341	-10.8	14.8	-14.5	20.8	23.5	rgb: L – Z – M
	14	50.4	44.7	-3.5	355	41.4	59.2	-14.0	347	-8.9	14.5	-10.4	17.9	20.1	
	15	48.9	53.6	-4.2	355	43.7	66.0	-11.3	350	-5.1	12.4	-7.0	14.3	15.2	Mean CIELAB difference (17 steps)
	16	47.4	62.6	-5.0	355	44.0	68.3	-8.5	353	-3.3	5.7	-3.4	6.7	7.5	$\Delta H^*_{CIELAB} = 14.5$
M	17	45.9	71.5	-5.7	355	45.9	71.5	-5.7	355	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 15.3$
	18	47.5	-66.6	39.0	150	47.5	-66.6	39.0	150	0.0	0.0	0.0	0.0	0.0	
L	19	52.7	-33.3	19.6	150	48.9	-58.8	35.8	149	-3.7	-25.5	16.3	30.3	30.5	
	20	57.9	0.0	0.1	90	57.9	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0	Mean CIELAB difference (5 steps)
Z	21	51.9	35.8	-2.8	355	41.0	50.6	-17.3	341	-10.8	14.8	-14.5	20.8	23.5	$\Delta H^*_{CIELAB} = 10.2$
	22	45.9	71.5	-5.7	355	45.9	71.5	-5.7	355	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 10.8$

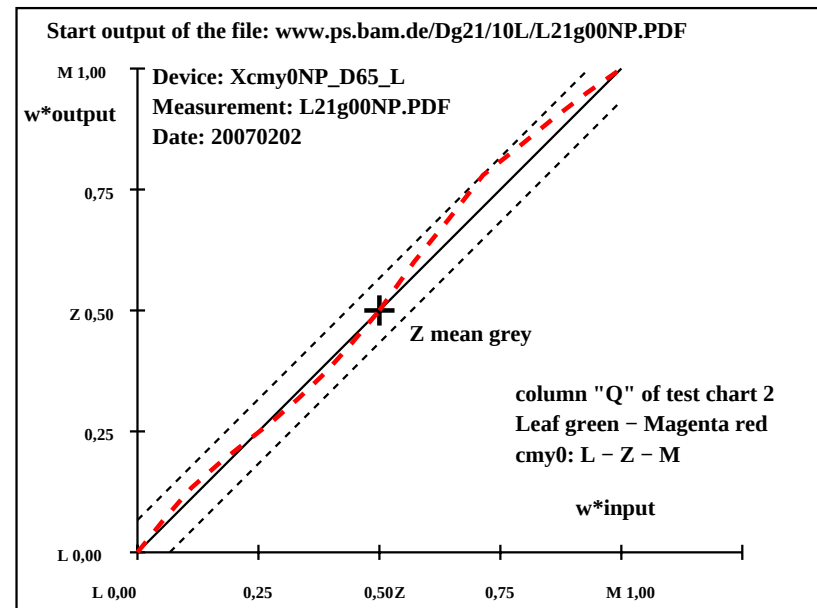
De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1						
L	1	51.5	-61.7	33.8	151	51.5	-61.7	33.8	151	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	51.7	-54.2	30.3	151	53.1	-52.9	28.3	152	1.4	1.3	-1.9	2.4	2.8	ISO/IEC 15775:1999 Annex G
	3	52.0	-46.7	26.9	150	53.4	-44.7	23.0	153	1.4	2.0	-3.8	4.4	4.6	and DIN 33866-1:2000 Annex G
	4	52.2	-39.2	23.4	149	53.9	-38.4	19.0	154	1.6	0.8	-4.3	4.5	4.8	
	5	52.5	-31.8	20.0	148	53.3	-31.9	16.6	153	0.8	0.0	-3.3	3.4	3.4	
	6	52.8	-24.3	16.5	146	53.1	-25.8	14.0	152	0.4	-1.4	-2.4	2.9	2.9	Regularity
	7	53.0	-16.8	13.0	142	53.3	-18.8	11.3	149	0.3	-1.9	-1.6	2.7	2.7	$g^* = 4.8$
	8	53.3	-9.3	9.6	134	53.8	-10.9	9.0	141	0.5	-1.5	-0.5	1.7	1.8	
Z	9	53.5	-1.8	6.1	107	53.5	-1.8	6.1	107	0.0	0.0	0.0	0.0	0.0	
	10	52.7	6.0	4.8	39	53.3	7.6	3.9	27	0.7	1.6	-0.8	1.8	2.0	
	11	51.8	13.9	3.4	14	52.7	18.3	1.8	6	0.8	4.4	-1.5	4.7	4.8	
	12	51.0	21.7	2.1	5	53.3	27.5	-1.0	358	2.3	5.8	-3.1	6.6	7.0	Leaf green – Magenta red
	13	50.2	29.6	0.8	1	51.5	37.1	-3.6	354	1.4	7.5	-4.4	8.7	8.8	cmY0: L – Z – M
	14	49.3	37.5	-0.5	359	50.5	43.4	-3.5	355	1.2	5.9	-2.9	6.6	6.7	
	15	48.5	45.4	-1.8	358	48.9	49.5	-5.0	354	0.5	4.2	-3.1	5.2	5.2	Mean CIELAB difference (17 steps)
	16	47.6	53.2	-3.2	356	47.9	55.4	-5.6	354	0.3	2.2	-2.3	3.3	3.3	$\Delta H^*_{CIELAB} = 3.5$
M	17	46.8	61.1	-4.5	356	46.8	61.1	-4.5	356	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 3.6$
	18	51.5	-61.7	33.8	151	51.5	-61.7	33.8	151	0.0	0.0	0.0	0.0	0.0	
L	19	52.5	-31.8	20.0	148	53.3	-31.9	16.6	153	0.8	0.0	-3.3	3.4	3.4	
	20	53.5	-1.8	6.1	107	53.5	-1.8	6.1	107	0.0	0.0	0.0	0.0	0.0	Mean CIELAB difference (5 steps)
Z	21	50.2	29.6	0.8	1	51.5	37.1	-3.6	354	1.4	7.5	-4.4	8.7	8.8	$\Delta H^*_{CIELAB} = 2.4$
	22	46.8	61.1	-4.5	356	46.8	61.1	-4.5	356	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 2.5$

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202



De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1 17 step colour scale "Q"; *rgb*- and *cmv0*-input data, Page 17/24

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
R	1	46.3	62.7	29.2	25	46.2	60.2	39.2	33
	2	50.5	52.8	47.1	42	47.0	58.3	45.9	38
	3	59.3	37.6	61.3	58	56.4	41.7	62.8	56
	4	69.2	20.4	77.4	75	75.9	7.2	90.6	85
J	5	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99
	6	77.6	-31.8	90.0	110	76.6	-31.4	88.0	110
	7	62.6	-48.6	64.6	127	55.6	-54.4	52.3	136
	8	50.5	-62.0	44.3	145	48.6	-63.3	41.1	147
G	9	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149
	10	48.4	-42.2	-7.0	190	48.2	-64.4	35.9	151
C	11	49.4	-32.2	-24.2	217	52.1	-16.3	-52.3	253
	12	50.6	-20.8	-43.7	245	46.0	-7.1	-50.1	262
B	13	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271
	14	40.5	21.6	-36.9	300	33.5	19.1	-43.3	294
M'	15	42.7	41.0	-25.0	329	46.2	71.5	-6.1	355
	16	46.1	70.7	-3.9	357	46.0	67.5	7.0	6
R	17	46.3	62.7	29.2	25	46.2	60.8	36.4	31
R	18	46.3	62.7	29.2	25	46.2	60.2	39.2	33
J	19	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99
G	20	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149
B	21	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271
R	22	46.3	62.7	29.2	25	46.2	60.8	36.4	31

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G

Red-Yellow-Green-Blue
rgb: R-J-G-B-R

Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 14.6$
 $\Delta E^*_{CIELAB} = 15.7$

Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 10.1$
 $\Delta E^*_{CIELAB} = 12.0$

De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
R	1	46.5	61.0	28.4	25	48.0	58.0	45.8	38
	2	48.5	56.3	50.2	42	55.5	43.9	55.7	52
	3	58.2	39.6	64.6	58	65.4	25.9	70.2	70
	4	68.8	21.1	80.3	75	77.5	4.3	90.4	87
J	5	83.0	-3.4	101.4	92	90.8	-17.0	112.2	99
	6	77.8	-31.2	88.3	110	77.8	-26.2	88.0	107
	7	64.0	-46.6	61.9	127	66.4	-33.3	62.8	118
	8	53.5	-58.4	41.7	145	59.1	-46.7	45.4	136
G	9	50.3	-54.5	17.7	162	50.5	-60.9	32.9	152
	10	52.5	-40.0	-6.6	190	53.3	-43.5	-7.3	190
C	11	54.0	-30.4	-22.9	217	57.2	-20.4	-40.0	243
	12	55.6	-19.6	-41.1	245	44.0	-5.1	-34.8	262
B	13	40.2	1.3	-38.4	272	27.6	19.1	-35.6	298
	14	25.8	20.8	-35.5	300	36.4	42.4	-24.9	329
M'	15	34.2	38.0	-23.2	329	47.8	61.3	-5.5	355
	16	46.9	62.5	-3.4	357	48.0	60.4	18.5	17
R	17	46.5	61.0	28.4	25	47.1	59.6	44.4	37
R	18	46.5	61.0	28.4	25	48.0	58.0	45.8	38
J	19	83.0	-3.4	101.4	92	90.8	-17.0	112.2	99
G	20	50.3	-54.5	17.7	162	50.5	-60.9	32.9	152
B	21	40.2	1.3	-38.4	272	27.6	19.1	-35.6	298
R	22	46.5	61.0	28.4	25	47.1	59.6	44.4	37

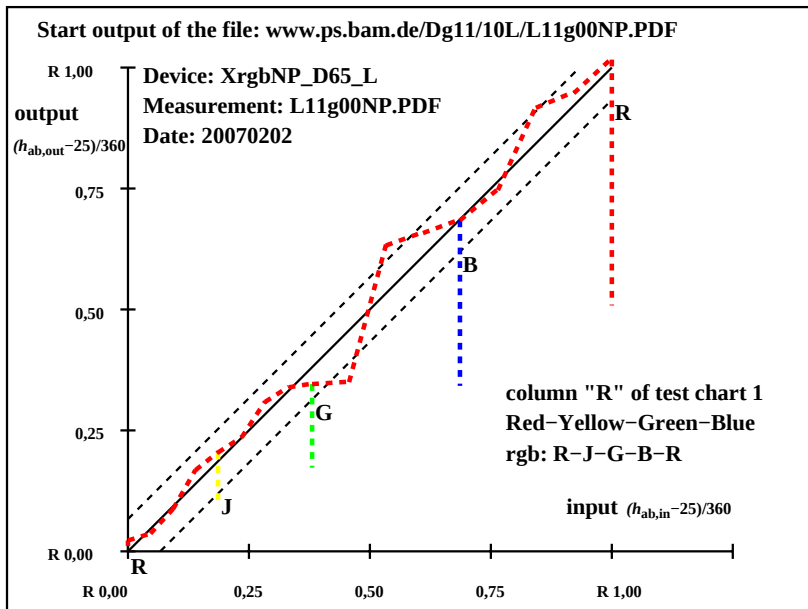
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G

Red-Yellow-Green-Blue
cmy0: R-J-G-B-R

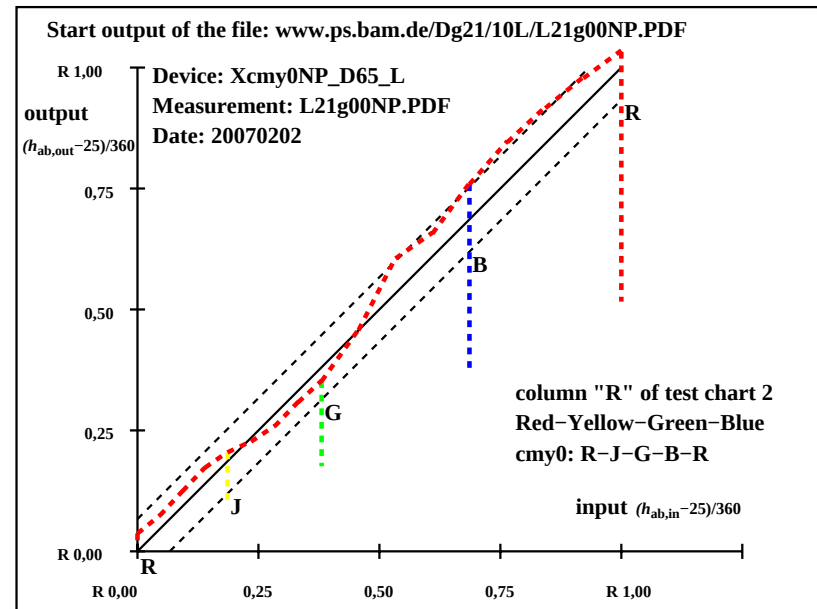
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 15.4$
 $\Delta E^*_{CIELAB} = 17.7$

Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 13.9$
 $\Delta E^*_{CIELAB} = 18.3$

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

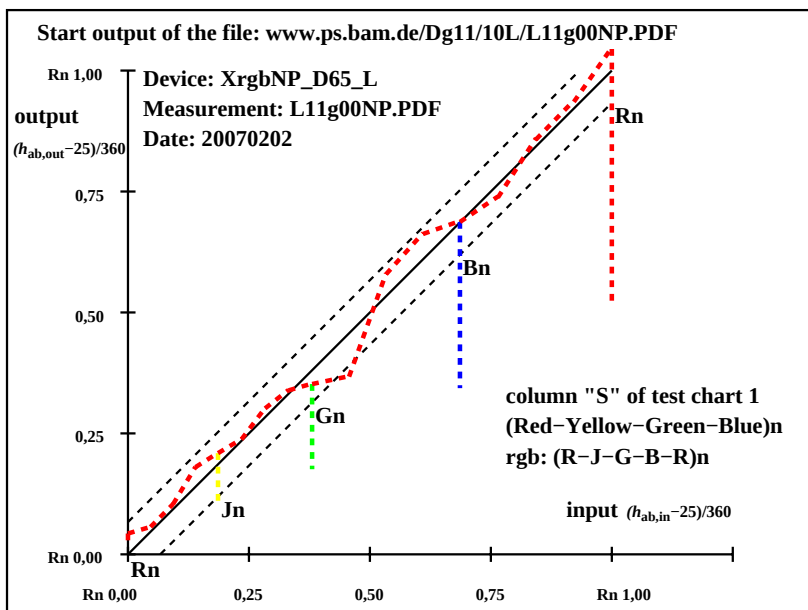


De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a,ref		hab,ref	LAB*a,out		hab,out	LAB*a,out-ref		$\Delta H^* \Delta E^*$		Start output S1			
R	1	34.0	31.3	14.6	25	35.8	34.4	29.4	41	1.9	3.1	14.8	15.1 15.2	Specification according to ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G	
	2	36.1	26.4	23.6	42	36.9	30.7	31.1	45	0.8	4.3	7.5	8.7 8.7		
	3	40.5	18.8	30.7	58	41.3	20.1	38.2	62	0.8	1.3	7.5	7.6 7.7		
	4	45.5	10.2	38.7	75	51.7	0.1	54.2	90	6.2	-10.0	15.5	18.5 19.5		
J	5	52.4	-1.6	49.9	92	59.6	-11.9	66.0	100	7.3	-10.2	16.1	19.1 20.4	(Red - Yellow - Green - Blue)n rgb: (R - J - G - B - R)n	
	6	49.6	-15.8	45.0	110	55.0	-21.3	57.0	111	5.4	-5.4	12.0	13.2 14.2		
	7	42.1	-24.2	32.3	127	45.6	-37.7	39.7	134	3.5	-13.4	7.4	15.4 15.7		
	8	36.1	-31.0	22.2	145	40.7	-47.2	30.7	147	4.6	-16.1	8.5	18.3 18.9		
G	9	34.2	-28.5	9.3	162	38.5	-49.9	26.9	152	4.2	-21.3	17.6	27.7 28.0	Mean CIELAB difference (17 steps) $\Delta H^*_{CIELAB} = 15.3$ $\Delta E^*_{CIELAB} = 16.6$	
	10	35.0	-21.1	-3.4	190	33.8	-38.0	16.0	157	-1.1	-16.8	19.5	25.9 25.9		
C'	11	35.5	-16.0	-12.1	217	37.0	-19.8	-26.7	233	1.4	-3.7	-14.5	15.1 15.2		Mean CIELAB difference (5 steps) $\Delta H^*_{CIELAB} = 14.3$ $\Delta E^*_{CIELAB} = 17.6$
	12	36.1	-10.4	-21.8	245	32.2	-4.0	-35.3	263	-3.9	6.4	-13.4	14.9 15.4		
B	13	30.0	0.9	-24.5	272	28.4	1.4	-34.1	272	-1.5	0.5	-9.5	9.6 9.8		
	14	31.1	10.8	-18.4	300	26.0	15.0	-40.0	291	-4.9	4.2	-21.5	22.0 22.6		
M	15	32.2	20.5	-12.4	329	30.4	41.8	-20.6	334	-1.7	21.3	-8.1	22.8 22.9		
	16	33.9	35.4	-1.9	357	31.8	40.2	1.2	2	-2.0	4.8	3.2	5.8 6.2		
R	17	34.0	31.3	14.6	25	36.1	34.0	29.6	41	2.2	2.7	15.0	15.2 15.4		
	18	34.0	31.3	14.6	25	35.8	34.4	29.4	41	1.9	3.1	14.8	15.1 15.2		
J	19	52.4	-1.6	49.9	92	59.6	-11.9	66.0	100	7.3	-10.2	16.1	19.1 20.4		
G	20	34.2	-28.5	9.3	162	38.5	-49.9	26.9	152	4.2	-21.3	17.6	27.7 28.0		
B	21	30.0	0.9	-24.5	272	28.4	1.4	-34.1	272	-1.5	0.5	-9.5	9.6 9.8		
R	22	34.0	31.3	14.6	25	36.1	34.0	29.6	41	2.2	2.7	15.0	15.2 15.4		

De180-3N.; Device: XrgbNP D65 L; Measurement: L11g00NP.PDF; Date: 20070202

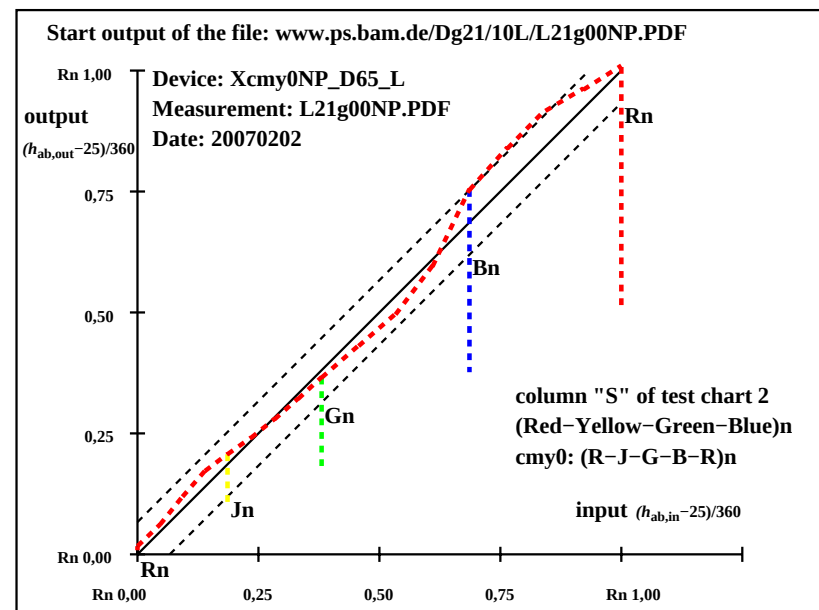


De180-7N.; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "S"; *rgb*- and *cmy0*-input data, Page 19/24

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH* ΔE*	Start output S1
R	1	36.7	30.5	14.2	25	39.2 34.5 20.8 31	2.4 4.0 6.6 7.7 8.1	Specification according to ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G
	2	37.7	28.1	25.1	42	42.0 25.1 27.0 47	4.3 -2.9 1.9 3.6 5.6	
	3	42.5	19.8	32.3	58	45.8 14.1 34.7 68	3.2 -5.6 2.4 6.2 7.0	
	4	47.9	10.6	40.1	75	50.3 2.2 42.4 87	2.4 -8.3 2.3 8.7 9.0	
J	5	55.0	-1.7	50.7	92	53.5 -8.0 48.6 99	-1.4 -6.2 -2.0 6.7 6.8	
	6	52.4	-15.5	44.1	110	49.7 -15.8 40.0 112	-2.5 -0.2 -4.0 4.1 4.9	
	7	45.5	-23.2	31.0	127	46.5 -22.8 32.1 126	1.0 0.4 1.1 1.2 1.6	
	8	40.2	-29.1	20.9	145	43.1 -29.3 24.1 141	2.9 -0.1 3.2 3.2 4.3	
G	9	38.6	-27.2	8.9	162	40.3 -35.3 15.4 156	1.7 -8.0 6.5 10.4 10.6	
	10	39.7	-19.9	-3.3	190	40.6 -30.5 0.0 180	0.9 -10.5 3.4 11.1 11.1	
C	11	40.5	-15.1	-11.4	217	41.5 -24.3 -10.5 203	1.0 -9.1 0.9 9.2 9.3	
	12	41.3	-9.7	-20.1	245	34.2 -8.9 -15.0 239	-7.0 0.8 5.5 5.6 9.0	
B	13	33.6	0.7	-19.5	272	27.3 9.4 -19.1 296	-6.2 8.7 0.0 8.7 10.7	(Red - Yellow - Green - Blue)n cmy0: (R - J - G - B - R)n
	14	26.4	10.4	-17.7	300	30.8 21.9 -14.1 327	4.4 11.5 3.6 12.1 12.8	
M	15	30.6	19.0	-11.5	329	36.8 36.5 -3.1 355	6.2 17.5 8.4 19.4 20.4	Mean CIELAB difference (17 steps)
	16	36.9	31.3	-1.7	357	36.5 35.4 6.7 11	-0.3 4.1 8.5 9.4 9.4	
R	17	36.7	30.5	14.2	25	37.0 34.9 18.3 28	0.2 4.4 4.1 6.0 6.0	ΔH*_{CIELAB} = 7.5 ΔE*_{CIELAB} = 8.6
	18	36.7	30.5	14.2	25	39.2 34.5 20.8 31	2.4 4.0 6.6 7.7 8.1	
J	19	55.0	-1.7	50.7	92	53.5 -8.0 48.6 99	-1.4 -6.2 -2.0 6.7 6.8	
G	20	38.6	-27.2	8.9	162	40.3 -35.3 15.4 156	1.7 -8.0 6.5 10.4 10.6	
B	21	33.6	0.7	-19.1	272	27.3 9.4 -19.1 296	-6.2 8.7 0.0 8.7 10.7	Mean CIELAB difference (5 steps)
	22	36.7	30.5	14.2	25	37.0 34.9 18.3 28	0.2 4.4 4.1 6.0 6.0	

De181-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



De181-7N, ; Device: Xcmv0NP_D65 L; Measurement: L21g00NP.PDF; Date: 20070202

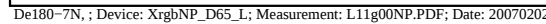
input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

Version 2.1, io=1,1

BAM material: code=rh4ta
ms

 $\Delta E^*_{\text{CIELAB}} = 10.5$

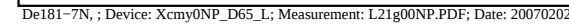
De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "T"; *rgb*- and *cmy0*-input data, Page 20/24

$$\Delta E^*_{CIELAB} = 14.0$$

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

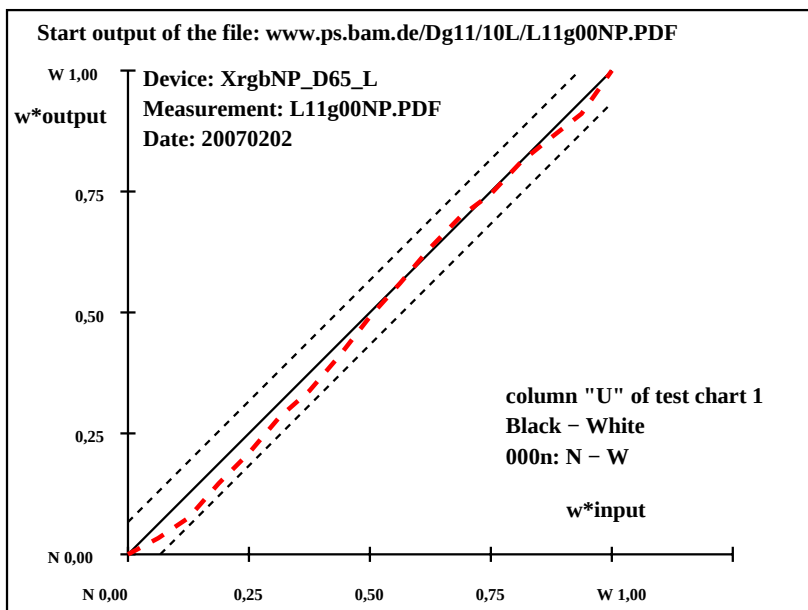


input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH^*	ΔE^*	Start output S1
N	1	22.6	0.2	7.1 88	22.6	0.2	7.1 88	0.0 0.0 0.0 0.0 0.0	Specification according to
	2	27.2	0.2	6.7 88	25.1	0.3	7.2 88	-2.0 0.1 0.5 0.5 2.2	ISO/IEC 15775:1999 Annex G
	3	31.7	0.2	6.2 88	28.1	0.3	6.9 88	-3.5 0.1 0.7 0.7 3.7	and DIN 33866-1:2000 Annex G
	4	36.3	0.2	5.8 88	33.3	0.2	6.3 88	-2.9 0.0 0.5 0.5 3.0	relative CIELAB data used for "out"
	5	40.8	0.2	5.4 88	37.9	0.2	5.9 88	-2.8 0.1 0.5 0.5 3.0	$\Delta L^* = 95.42 - 22.63$
	6	45.4	0.1	4.9 88	43.2	0.1	5.3 89	-2.0 0.0 0.4 0.4 2.2	Regularity
	7	49.9	0.1	4.5 88	47.2	0.1	4.8 89	-2.6 0.0 0.3 0.3 2.7	$g^* = 74.4$
	8	54.5	0.1	4.1 88	52.6	0.1	4.4 89	-1.8 0.0 0.3 0.3 1.9	
Z	9	59.0	0.1	3.7 88	58.4	0.0	3.9 90	-0.5 0.0 0.3 0.3 0.7	Lightness gamut relative to offset
	10	63.6	0.1	3.2 88	63.4	0.1	3.2 88	0.0 0.0 0.0 0.0 0.1	$f^* = 94.0$
	11	68.1	0.1	2.8 88	68.8	0.0	2.7 90	0.7 0.0 0.0 0.1 0.7	
	12	72.7	0.1	2.4 88	73.5	0.0	2.5 90	0.8 0.0 0.1 0.2 0.8	Black – White
	13	77.2	0.1	1.9 89	76.9	0.1	1.9 87	-0.3 0.1 0.0 0.1 0.4	000n: N – W
	14	81.8	0.0	1.5 89	81.7	0.0	1.6 90	0.0 0.0 0.1 0.1 0.1	
	15	86.3	0.0	1.1 89	85.4	0.0	1.0 90	-0.9 0.0 0.0 0.1 1.0	Mean CIELAB difference (17 steps)
	16	90.9	0.0	0.6 89	88.9	0.0	0.7 90	-1.9 0.0 0.1 0.1 2.0	$\Delta H^*_{CIELAB} = 0.2$
	17	95.4	0.0	0.2 90	95.4	0.0	0.2 90	0.0 0.0 0.0 0.0 0.0	$\Delta E^*_{CIELAB} = 1.4$
	18	22.6	0.2	7.1 88	22.6	0.2	7.1 88	0.0 0.0 0.0 0.0 0.0	
	19	40.8	0.2	5.4 88	37.9	0.2	5.9 88	-2.8 0.1 0.5 0.5 3.0	
Z	20	59.0	0.1	3.7 88	58.4	0.0	3.9 90	-0.5 0.0 0.3 0.3 0.7	Mean CIELAB difference (5 steps)
	21	77.2	0.1	1.9 89	76.9	0.1	1.9 87	-0.3 0.1 0.0 0.1 0.4	$\Delta H^*_{CIELAB} = 0.2$
	22	95.4	0.0	0.2 90	95.4	0.0	0.2 90	0.0 0.0 0.0 0.0 0.0	$\Delta E^*_{CIELAB} = 0.8$
Mean colour reproduction index:									$R^*_{ab,m} = 94$

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

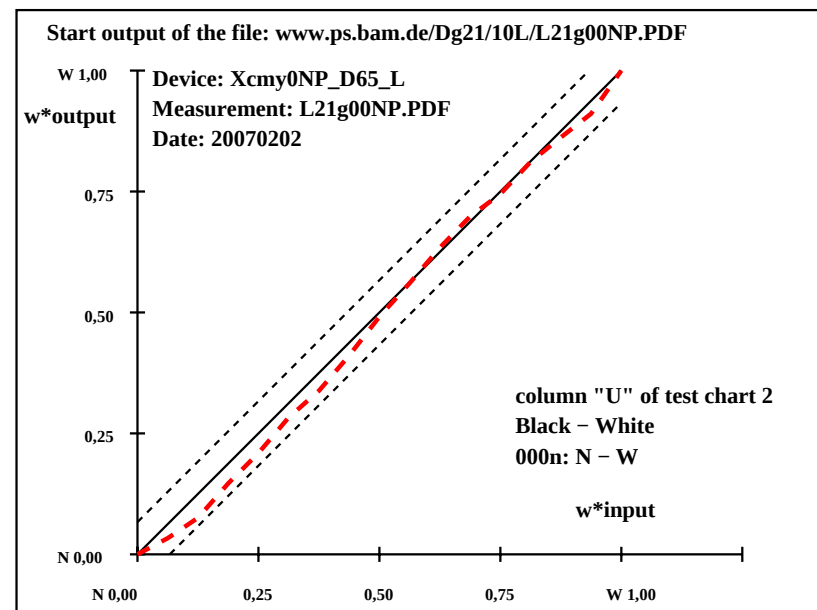


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "U"; *rgb*- and *cmy0*-input data, Page 21/24

T	i	LAB*a _{ref}		hab _{ref}		LAB*a _{out}		hab _{out}		LAB*a _{out} /c-ref				ΔH*	ΔE*	Start output S1
N	1	22.6	0.2	7.1	88	22.6	0.2	7.1	88	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	27.2	0.2	6.7	88	25.1	0.3	7.2	88	-2.0	0.1	0.5	0.5	2.2	0.2	ISO/IEC 15775:1999 Annex G
	3	31.7	0.2	6.2	88	28.1	0.3	6.9	88	-3.5	0.1	0.7	0.7	3.7	0.7	and DIN 33866-1:2000 Annex G
	4	36.3	0.2	5.8	88	33.3	0.2	6.3	88	-2.9	0.0	0.5	0.5	3.0	0.0	relative CIELAB data used for "out"
	5	40.8	0.2	5.4	88	37.9	0.2	5.9	88	-2.8	0.1	0.5	0.5	3.0	0.0	ΔL* = 95.42 – 22.63
	6	45.4	0.1	4.9	88	43.2	0.1	5.3	89	-2.0	0.0	0.4	0.4	2.2	0.0	Regularity
	7	49.9	0.1	4.5	88	47.2	0.1	4.8	89	-2.6	0.0	0.3	0.3	2.7	0.0	g* = 74.4
	8	54.5	0.1	4.1	88	52.6	0.1	4.4	89	-1.8	0.0	0.3	0.3	1.9	0.0	
Z	9	59.0	0.1	3.7	88	58.4	0.0	3.9	90	-0.5	0.0	0.3	0.3	0.7	0.0	Lightness gamut relative to offset
	10	63.6	0.1	3.2	88	63.4	0.1	3.2	88	0.0	0.0	0.0	0.0	0.1	0.0	f* = 94.0
	11	68.1	0.1	2.8	88	68.0	0.0	2.7	90	0.7	0.0	0.0	0.1	0.7	0.0	
	12	72.7	0.1	2.4	88	73.5	0.0	2.5	90	0.8	0.0	0.1	0.2	0.8	0.0	Black – White
	13	77.2	0.1	1.9	89	76.9	0.1	1.9	87	-0.3	0.1	0.0	0.1	0.4	0.0	000n: N – W
	14	81.8	0.0	1.5	89	81.7	0.0	1.6	90	0.0	0.0	0.1	0.1	0.1	0.0	
	15	86.3	0.0	1.1	89	85.4	0.0	1.0	90	-0.9	0.0	0.0	0.1	1.0	0.0	Mean CIELAB difference (17 steps)
	16	90.9	0.0	0.6	89	88.9	0.0	0.7	90	-1.9	0.0	0.1	0.1	2.0	0.0	ΔH* _{CIELAB} = 0.2
W	17	95.4	0.0	0.2	90	95.4	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 1.4
	N 18	22.6	0.2	7.1	88	22.6	0.2	7.1	88	0.0	0.0	0.0	0.0	0.0	0.0	
		19	40.8	0.2	5.4	88	37.9	0.2	5.9	88	-2.8	0.1	0.5	0.5	3.0	0.0
Z	20	59.0	0.1	3.7	88	58.4	0.0	3.9	90	-0.5	0.0	0.3	0.3	0.7	0.0	Mean CIELAB difference (5 steps)
	21	77.2	0.1	1.9	89	76.9	0.1	1.9	87	-0.3	0.1	0.0	0.1	0.4	0.0	ΔH* _{CIELAB} = 0.2
W	22	95.4	0.0	0.2	90	95.4	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 0.8
Mean colour reproduction index: R* _{ab,m} = 94																

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



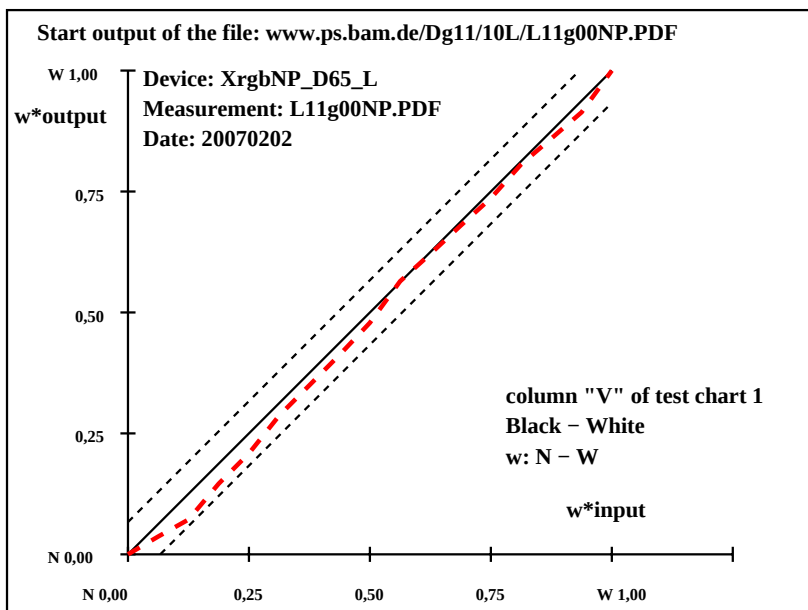
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-refΔH*	ΔE*	Start output S1								
N	1	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	25.9	0.0	-0.1	242	24.0	0.0	0.0	270	-1.8	0.1	0.1	0.1	1.9		ISO/IEC 15775:1999 Annex G
	3	30.6	0.0	-0.1	240	26.6	0.0	0.0	0	-3.9	0.1	0.2	0.2	4.0		and DIN 33866-1:2000 Annex G
	4	35.2	0.0	-0.1	238	32.1	0.0	0.0	0	-3.0	0.1	0.2	0.2	3.1		relative CIELAB data used for "out"
	5	39.8	0.0	-0.1	236	36.8	0.0	0.1	90	-3.0	0.1	0.3	0.3	3.1		ΔL* = 95.51 - 21.27
	6	44.5	0.0	0.0	234	42.6	0.0	0.0	270	-1.8	0.1	0.0	0.1	1.9		Regularity
	7	49.1	0.0	0.0	231	47.2	0.0	0.0	0	-1.8	0.1	0.1	0.2	1.9		g* = 77.3
	8	53.8	0.0	0.0	228	51.9	0.0	0.1	90	-1.8	0.1	0.2	0.2	1.9		
Z	9	58.4	0.0	0.0	225	56.8	0.0	0.3	108	-1.5	0.0	0.4	0.4	1.6		Lightness gamut relative to offset
	10	63.0	0.0	0.0	221	63.2	0.0	0.0	180	0.1	0.0	0.1	0.1	0.2		f* = 95.9
	11	67.7	0.0	0.0	217	67.4	0.0	0.0	0	-0.2	0.1	0.1	0.1	0.3		
	12	72.3	0.0	0.0	212	71.7	0.0	0.3	90	-0.5	0.1	0.4	0.4	0.7		Black – White
	13	77.0	0.0	0.0	207	75.9	0.0	0.1	90	-0.9	0.1	0.2	0.2	1.0		w: N – W
	14	81.6	0.0	0.0	201	81.1	0.0	0.1	90	-0.4	0.1	0.1	0.1	0.2	0.5	
	15	86.2	0.0	0.0	194	85.1	0.0	0.1	90	-1.0	0.1	0.1	0.2	1.2		Mean CIELAB difference (17 steps)
	16	90.9	0.0	0.0	187	89.1	0.0	0.0	0	-1.7	0.1	0.0	0.1	1.8		ΔH*CIELAB = 0.2
W	17	95.5	0.0	0.0	180	95.5	0.0	0.0	180	0.0	0.0	0.0	0.0	0.0		ΔE*CIELAB = 1.5
N	18	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243	0.0	0.0	0.0	0.0	0.0		
	19	39.8	0.0	-0.1	236	36.8	0.0	0.1	90	-3.0	0.1	0.3	0.3	3.1		
Z	20	58.4	0.0	0.0	225	56.8	0.0	0.3	108	-1.5	0.0	0.4	0.4	1.6		Mean CIELAB difference (5 steps)
	21	77.0	0.0	0.0	207	75.9	0.0	0.1	90	-0.9	0.1	0.2	0.2	1.0		ΔH*CIELAB = 0.2
W	22	95.5	0.0	0.0	180	95.5	0.0	0.0	180	0.0	0.0	0.0	0.0	0.0		ΔE*CIELAB = 1.1
Mean colour reproduction index: R* _{ab,m} = 94																

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

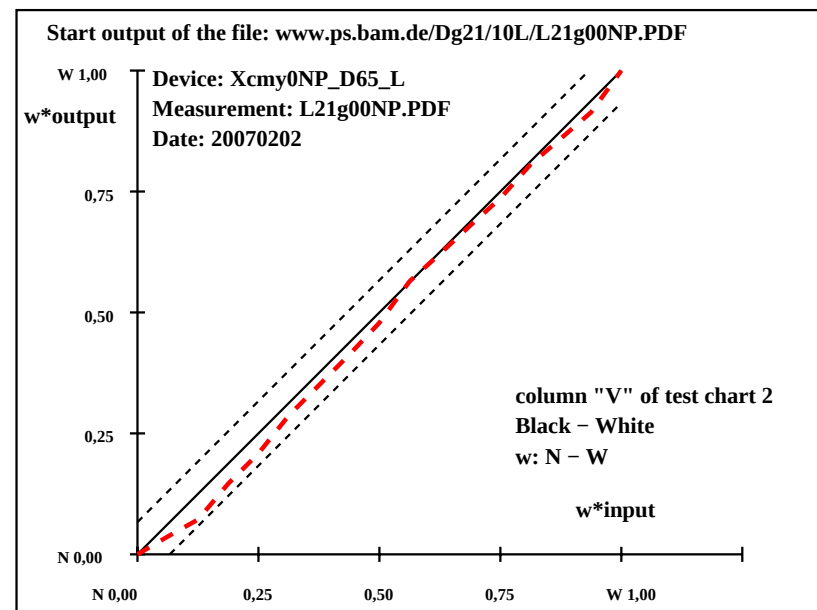


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "V"; *rgb*- and *cmy0*-input data, Page 22/24

T	i	LAB*a _{ref}		hab _{ref}		LAB*a _{out}		hab _{out}		LAB*a _{out} /c-ref		ΔH*	ΔE*	Start output S1		
N	1	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243	0.0	0.0	0.0	0.0	0.0	Specification according to	
	2	25.9	0.0	-0.1	242	24.0	0.0	0.0	270	-1.8	0.1	0.1	0.1	1.9	ISO/IEC 15775:1999 Annex G	
	3	30.6	0.0	-0.1	240	26.6	0.0	0.0	0	-3.9	0.1	0.1	0.2	0.2	4.0	and DIN 33866-1:2000 Annex G
	4	35.2	0.0	-0.1	238	32.1	0.0	0.0	0	-3.0	0.1	0.2	0.2	0.2	3.1	relative CIELAB data used for "out"
	5	39.8	0.0	-0.1	236	36.8	0.0	0.1	90	-3.0	0.1	0.3	0.3	3.1	3.1	ΔL* = 95.51 – 21.27
	6	44.5	0.0	0.0	234	42.6	0.0	0.0	270	-1.8	0.1	0.0	0.1	1.9	1.9	Regularity
	7	49.1	0.0	0.0	231	47.2	0.0	0.0	0	-1.8	0.1	0.1	0.1	0.2	1.9	g* = 77.3
	8	53.8	0.0	0.0	228	51.9	0.0	0.1	90	-1.8	0.1	0.2	0.2	0.2	1.9	
Z	9	58.4	0.0	0.0	225	56.8	0.0	0.3	108	-1.5	0.0	0.4	0.4	0.4	1.6	Lightness gamut relative to offset
	10	63.0	0.0	0.0	221	63.2	0.0	0.0	180	0.1	0.0	0.1	0.1	0.2	0.2	f* = 95.9
	11	67.7	0.0	0.0	217	67.4	0.0	0.0	0	-0.2	0.1	0.1	0.1	0.1	0.3	
	12	72.3	0.0	0.0	212	71.7	0.0	0.3	90	-0.5	0.1	0.4	0.4	0.4	0.7	Black – White
	13	77.0	0.0	0.0	207	75.9	0.0	0.1	90	-0.9	0.1	0.2	0.2	0.2	1.0	w: N – W
	14	81.6	0.0	0.0	201	81.1	0.0	0.1	90	-0.4	0.1	0.1	0.1	0.2	0.5	
	15	86.2	0.0	0.0	194	85.1	0.0	0.1	90	-1.0	0.1	0.1	0.2	1.2	1.2	Mean CIELAB difference (17 steps)
	16	90.9	0.0	0.0	187	89.1	0.0	0.0	0	-1.7	0.1	0.0	0.1	1.8	1.8	ΔH* _{CIELAB} = 0.2
W	17	95.5	0.0	0.0	180	95.5	0.0	0.0	180	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 1.5
N	18	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243	0.0	0.0	0.0	0.0	0.0	0.0	
	19	39.8	0.0	-0.1	236	36.8	0.0	0.1	90	-3.0	0.1	0.3	0.3	3.1	3.1	
Z	20	58.4	0.0	0.0	225	56.8	0.0	0.3	108	-1.5	0.0	0.4	0.4	1.6	1.6	Mean CIELAB difference (5 steps)
	21	77.0	0.0	0.0	207	75.9	0.0	0.1	90	-0.9	0.1	0.2	0.2	1.0	1.0	ΔH* _{CIELAB} = 0.2
W	22	95.5	0.0	0.0	180	95.5	0.0	0.0	180	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 1.1
Mean colour reproduction index:														R* _{ab,m} = 94		

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



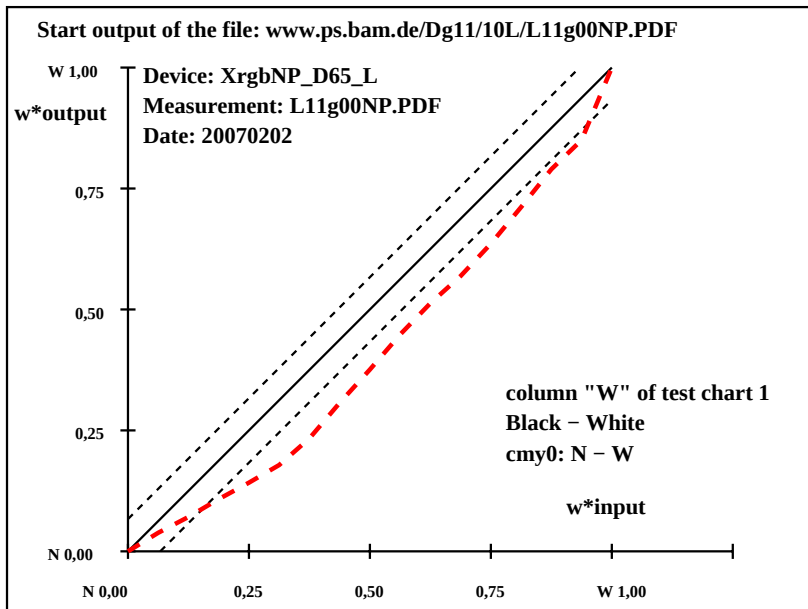
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH^*	ΔE^*	Start output S1						
N	1	26.9	0.0	0.0	0	26.9	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	31.2	0.0	0.0	0	29.2	-0.6	1.1	122	-1.9	-0.6	1.1	1.3	2.4	ISO/IEC 15775:1999 Annex G
	3	35.5	0.0	0.0	0	31.4	-1.5	1.0	148	-4.0	-1.5	1.0	1.9	4.5	and DIN 33866-1:2000 Annex G
	4	39.8	0.0	0.0	0	34.1	-1.7	0.5	164	-5.6	-1.7	0.5	1.9	6.0	relative CIELAB data used for "out"
	5	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8	8.3	$\Delta L^* = 95.41 - 26.94$
	6	48.3	0.0	0.0	0	38.8	-1.7	2.1	131	-9.4	-1.7	2.1	2.8	9.9	Regularity
	7	52.6	0.0	0.0	0	42.6	-1.3	3.0	115	-9.9	-1.3	3.0	3.3	10.6	$g^* = 36.6$
	8	56.9	0.0	0.0	0	47.3	-2.5	4.6	119	-9.5	-2.5	4.6	5.3	11.0	
Z	9	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4	11.3	Lightness gamut relative to offset
	10	65.5	0.0	0.0	0	56.7	-1.3	7.2	101	-8.6	-1.3	7.2	7.3	11.4	$f^* = 88.5$
	11	69.7	0.0	0.0	0	61.3	-0.7	7.2	96	-8.3	-0.7	7.2	7.2	11.1	
	12	74.0	0.0	0.0	0	65.4	-0.8	6.5	98	-8.6	-0.8	6.5	6.6	10.9	Black – White
	13	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3	10.4	cmY0: N – W
	14	82.6	0.0	0.0	0	75.3	-0.1	5.9	92	-7.2	-0.1	5.9	5.9	9.4	
	15	86.9	0.0	0.0	0	80.8	-1.2	5.2	104	-6.0	-1.2	5.2	5.4	8.1	Mean CIELAB difference (17 steps)
	16	91.1	0.0	0.0	0	85.1	0.3	1.9	81	-5.9	0.3	1.9	1.9	6.3	$\Delta H^*_{CIELAB} = 3.9$
W	17	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 7.7$
N	18	26.9	0.0	0.0	0	26.9	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	
	19	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8	8.3	
Z	20	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4	11.3	Mean CIELAB difference (5 steps)
	21	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3	10.4	$\Delta H^*_{CIELAB} = 3.1$
W	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 6.0$
Mean colour reproduction index:										$R^*_{ab,m} = 66$					

De180-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

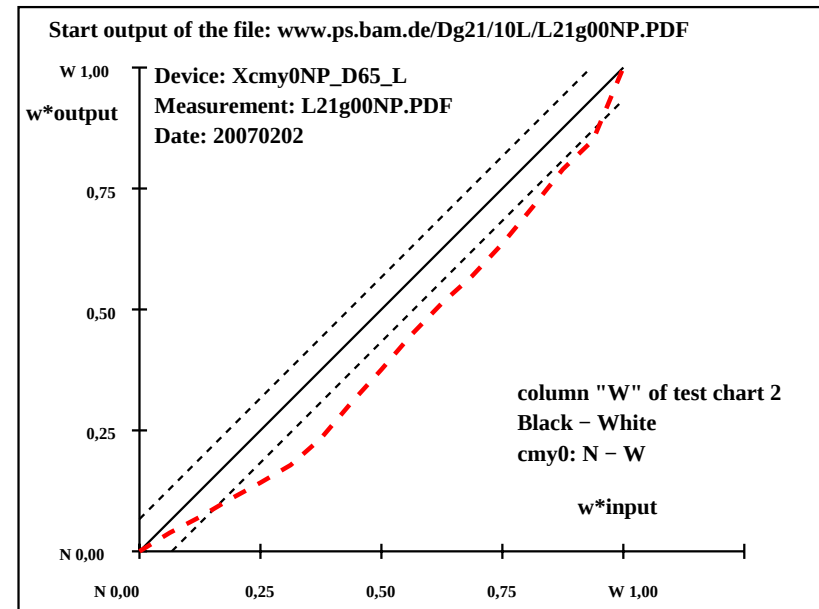


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "W"; *rgb*- and *cmy0*-input data, Page 23/24

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1							
N	1	26.9	0.0	0.0	0	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	31.2	0.0	0.0	0	29.2	-0.6	1.1	122	-1.9	-0.6	1.1	1.3	2.4	2.4	ISO/IEC 15775:1999 Annex G
	3	35.5	0.0	0.0	0	31.4	-1.5	1.0	148	-4.0	-1.5	1.0	1.9	4.5	4.5	and DIN 33866-1:2000 Annex G
	4	39.8	0.0	0.0	0	34.1	-1.7	0.5	164	-5.6	-1.7	0.5	1.9	6.0	6.0	relative CIELAB data used for "out"
	5	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8	8.3	8.3	$\Delta L^* = 95.41 - 26.94$
	6	48.3	0.0	0.0	0	38.8	-1.7	2.1	131	-9.4	-1.7	2.1	2.8	9.9	9.9	Regularity
	7	52.6	0.0	0.0	0	42.6	-1.3	3.0	115	-9.9	-1.3	3.0	3.3	10.6	10.6	$g^* = 36.6$
	8	56.9	0.0	0.0	0	47.3	-2.5	4.6	119	-9.5	-2.5	4.6	5.3	11.0	11.0	
Z	9	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4	11.3	11.3	Lightness gamut relative to offset
	10	65.5	0.0	0.0	0	56.7	-1.3	7.2	101	-8.6	-1.3	7.2	7.3	11.4	11.4	$f^* = 88.5$
	11	69.7	0.0	0.0	0	61.3	-0.7	7.2	96	-8.3	-0.7	7.2	7.2	11.1	11.1	
	12	74.0	0.0	0.0	0	65.4	-0.8	6.5	98	-8.6	-0.8	6.5	6.6	10.9	10.9	Black - White
	13	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3	10.4	10.4	cmY0: N - W
	14	82.6	0.0	0.0	0	75.3	-0.1	5.9	92	-7.2	-0.1	5.9	5.9	9.4	9.4	
	15	86.9	0.0	0.0	0	80.8	-1.2	5.2	104	-6.0	-1.2	5.2	5.4	8.1	8.1	Mean CIELAB difference (17 steps)
	16	91.1	0.0	0.0	0	85.1	0.3	1.9	81	-5.9	0.3	1.9	1.9	6.3	6.3	$\Delta H^*_{CIELAB} = 3.9$
	17	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 7.7$
	N	18	26.9	0.0	0.0	0	26.9	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
	19	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8	8.3	8.3	
	Z	20	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4	11.3	11.3
	21	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3	10.4	10.4	$\Delta H^*_{CIELAB} = 3.1$
	W	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Mean colour reproduction index:										$R^*_{ab,m} = 66$						

De181-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



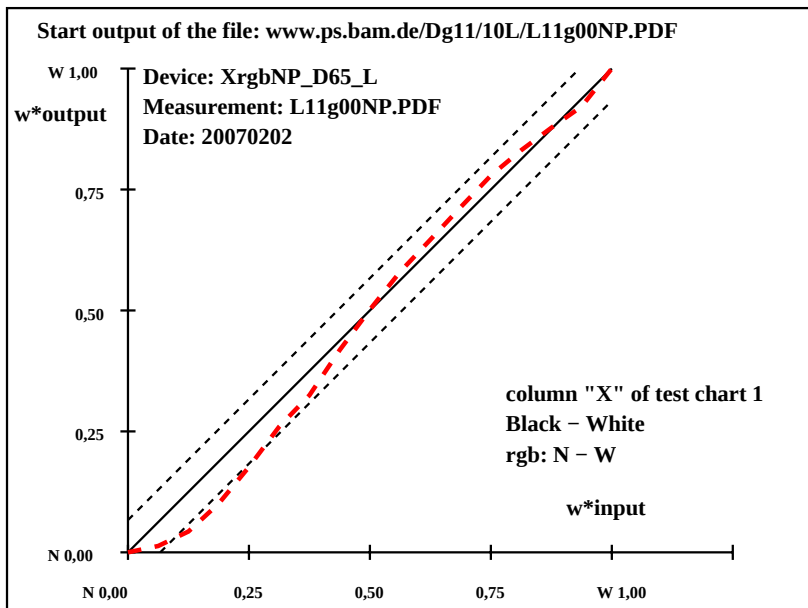
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070207

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De18/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

T	i	LAB*a _{ref}		hab _{ref}	LAB*a _{out}		hab _{out}	LAB*a _{out} /c-refΔH* ΔE*						Start output S1				
N	1	21.7	0.0	0.0	0	21.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	Specification according to			
	2	26.3	0.0	0.0	0	22.6	0.0	0.0	0	-3.5	0.0	0.0	0.0	3.6	ISO/IEC 15775:1999 Annex G			
	3	30.9	0.0	0.0	0	24.8	0.0	0.1	90	-5.9	0.0	0.1	0.1	6.0	and DIN 33866-1:2000 Annex G			
	4	35.5	0.0	0.0	0	29.1	0.0	0.0	0	-6.3	0.0	0.0	0.0	6.4	relative CIELAB data used for "out"			
	5	40.1	0.0	0.0	0	34.7	0.0	0.0	0	-5.3	0.0	0.0	0.0	5.4	ΔL* = 95.46 - 21.66			
	6	44.7	0.0	0.0	0	40.8	0.0	0.0	0	-3.8	0.0	0.0	0.0	3.9	Regularity			
	7	49.3	0.0	0.0	0	45.6	0.0	0.2	90	-3.6	0.0	0.2	0.2	3.7	g* = 54.2			
	8	53.9	0.0	0.0	0	52.5	0.0	0.1	90	-1.3	0.0	0.1	0.1	1.4				
Z	9	58.6	0.0	0.0	0	58.7	0.0	0.2	90	0.1	0.0	0.2	0.2	0.2	Lightness gamut relative to offset			
	10	63.2	0.0	0.0	0	64.5	0.0	0.2	90	1.3	0.0	0.2	0.2	1.3	f* = 95.3			
	11	67.8	0.0	0.0	0	69.4	0.0	0.2	90	1.6	0.0	0.2	0.2	1.6				
	12	72.4	0.0	0.0	0	74.3	0.0	0.2	90	1.9	0.0	0.2	0.2	1.9	Black - White			
	13	77.0	0.0	0.0	0	79.1	0.0	0.1	90	2.1	0.0	0.1	0.1	2.1	rgb: N - W			
	14	81.6	0.0	0.0	0	83.0	0.0	0.0	0	1.4	0.0	0.0	0.0	1.4				
	15	86.2	0.0	0.0	0	86.4	0.0	0.1	90	0.2	0.0	0.1	0.1	0.2	Mean CIELAB difference (17 steps)			
	16	90.8	0.0	0.0	0	89.7	0.0	0.2	90	-1.1	0.0	0.2	0.2	1.2	ΔH* _{CIELAB} = 0.1			
	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 2.4			
W	18	21.7	0.0	0.0	0	21.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0				
	19	40.1	0.0	0.0	0	34.7	0.0	0.0	0	-5.3	0.0	0.0	0.0	5.4				
Z	20	58.6	0.0	0.0	0	58.7	0.0	0.2	90	0.1	0.0	0.2	0.2	0.2	Mean CIELAB difference (5 steps)			
	21	77.0	0.0	0.0	0	79.1	0.0	0.1	90	2.1	0.0	0.1	0.1	2.1	ΔH* _{CIELAB} = 0.1			
W	22	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 1.6			
Mean colour reproduction index: R* _{ab,m} = 90																		

De180-3N.: Device: XrgbNP D65 L: Measurement: L11g00NP.PDF: Date: 20070202

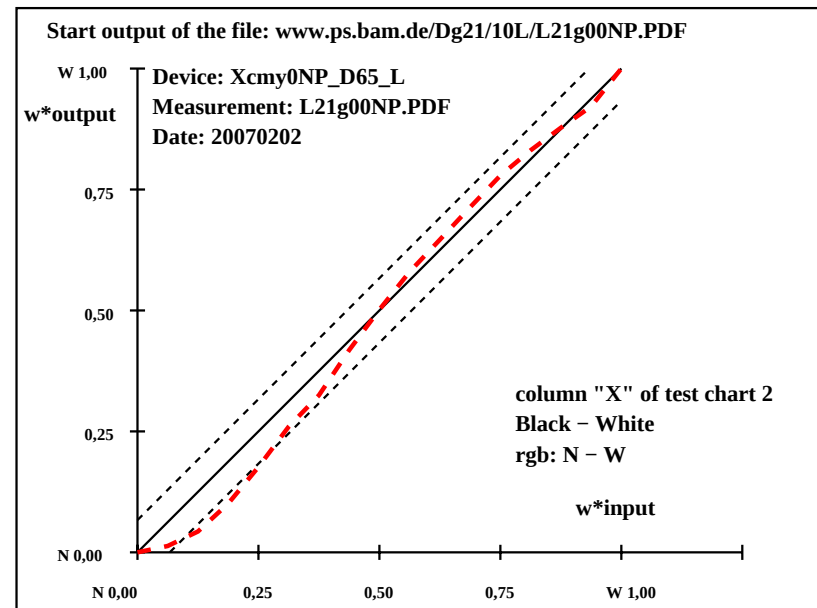


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "X"; *rgb*- and *cmy0*-input data, Page 24/24

T	i	LAB*a _{ref}		hab _{ref}		LAB*a _{out}		hab _{out}		LAB*a _{out} /c-ref				ΔH*	ΔE*	Start output S1
N	1	21.7	0.0	0.0	0	21.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	26.3	0.0	0.0	0	22.6	0.0	0.0	0	-3.5	0.0	0.0	0.0	0.0	3.6	ISO/IEC 15775:1999 Annex G
	3	30.9	0.0	0.0	0	24.8	0.0	0.0	0.1	90	-5.9	0.0	0.1	0.1	6.0	and DIN 33866-1:2000 Annex G
	4	35.5	0.0	0.0	0	29.1	0.0	0.0	0	-6.3	0.0	0.0	0.0	0.0	6.4	relative CIELAB data used for "out"
	5	40.1	0.0	0.0	0	34.7	0.0	0.0	0	-5.3	0.0	0.0	0.0	0.0	5.4	ΔL* = 95.46 – 21.66
	6	44.7	0.0	0.0	0	40.8	0.0	0.0	0	-3.8	0.0	0.0	0.0	0.0	3.9	Regularity
	7	49.3	0.0	0.0	0	45.6	0.0	0.2	90	-3.6	0.0	0.2	0.2	0.2	3.7	g* = 54.2
	8	53.9	0.0	0.0	0	52.5	0.0	0.0	0.1	90	-1.3	0.0	0.1	0.1	1.4	
Z	9	58.6	0.0	0.0	0	58.7	0.0	0.2	90	0.1	0.0	0.2	0.2	0.2	0.2	Lightness gamut relative to offset
	10	63.2	0.0	0.0	0	64.5	0.0	0.2	90	1.3	0.0	0.2	0.2	1.3	0.2	f* = 95.3
	11	67.8	0.0	0.0	0	69.4	0.0	0.2	90	1.6	0.0	0.2	0.2	1.6	0.2	
	12	72.4	0.0	0.0	0	74.3	0.0	0.2	90	1.9	0.0	0.2	0.2	1.9	0.2	Black – White
	13	77.0	0.0	0.0	0	79.1	0.0	0.1	90	2.1	0.0	0.1	0.1	2.1	0.1	rgb: N – W
	14	81.6	0.0	0.0	0	83.0	0.0	0.0	0	1.4	0.0	0.0	0.0	1.4	0.0	
	15	86.2	0.0	0.0	0	86.4	0.0	0.1	90	0.2	0.0	0.1	0.1	0.2	0.2	Mean CIELAB difference (17 steps)
	16	90.8	0.0	0.0	0	89.7	0.0	0.2	90	-1.1	0.0	0.2	0.2	1.2	0.2	ΔH* _{CIELAB} = 0.1
W	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 2.4
N	18	21.7	0.0	0.0	0	21.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
	19	40.1	0.0	0.0	0	34.7	0.0	0.0	0	-5.3	0.0	0.0	0.0	0.0	5.4	
Z	20	58.6	0.0	0.0	0	58.7	0.0	0.2	90	0.1	0.0	0.2	0.2	0.2	0.2	Mean CIELAB difference (5 steps)
	21	77.0	0.0	0.0	0	79.1	0.0	0.1	90	2.1	0.0	0.1	0.1	2.1	0.1	ΔH* _{CIELAB} = 0.1
W	22	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 1.6
Mean colour reproduction index:										R _{ab,m} = 90						

De181-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input