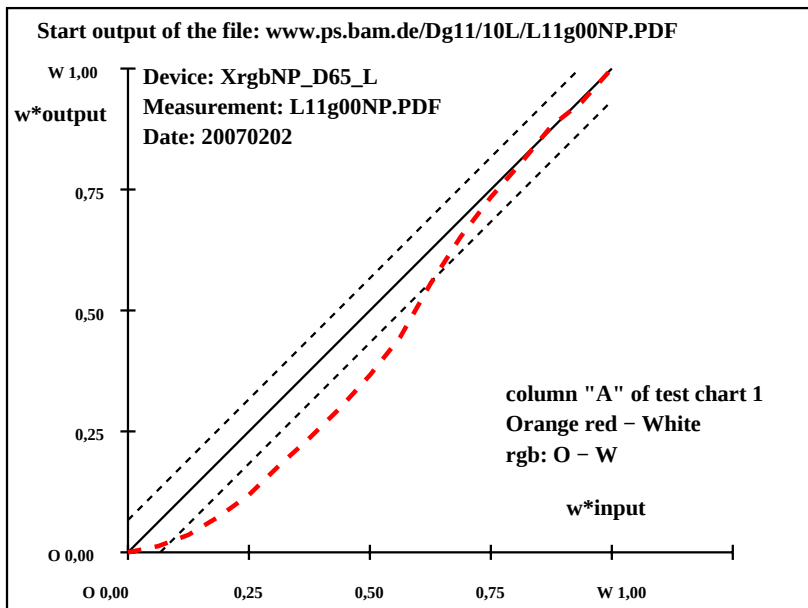


Version 2.1, io=1,1

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

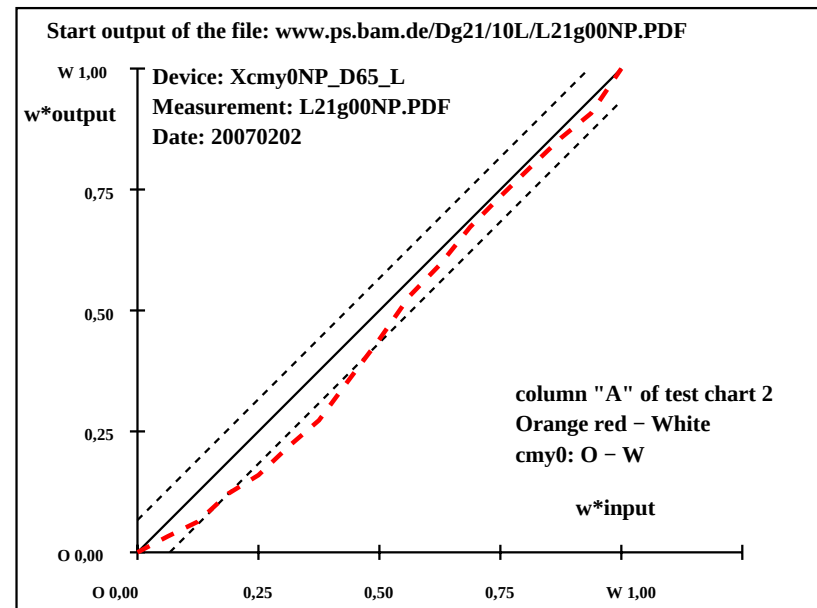


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "A"; *rgb*- and *cmv0*-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



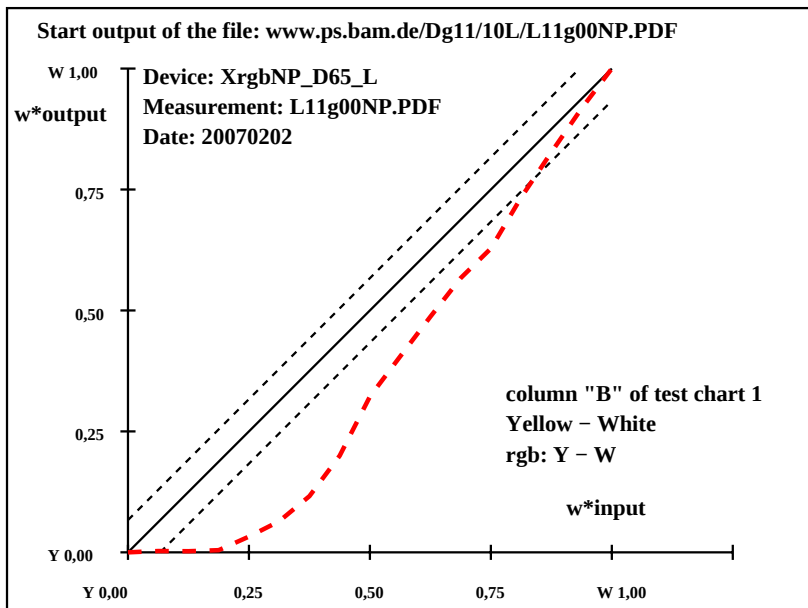
De181-7N, ; Device: Xcmy0NP_D65 L; Measurement: L21g00NP.PDF; Date: 20070202

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

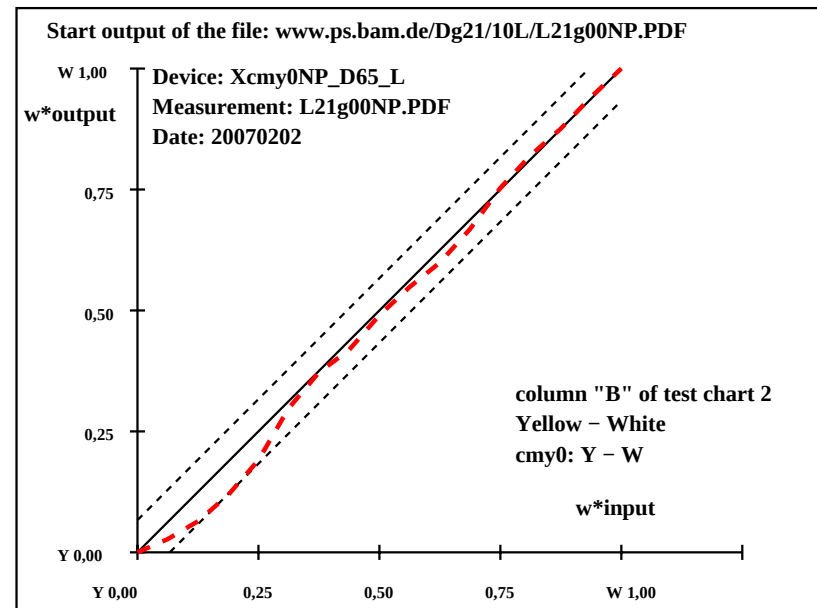


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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

T	i	LAB*a _{ref}	hab _{ref}	LAB*a _{out}	hab _{out}	LAB*a _{out} /c-ref	ΔH^*	ΔE^*	Start output S1	
Y	1	90.7 -16.8	112.8 99	90.7 -16.8	112.8 99	0.0	0.0	0.0	0.0	Specification according to
	2	91.0 -15.7	105.8 99	90.8 -17.1	109.7 99	-0.1	-1.3	3.9	4.2	ISO/IEC 15775:1999 Annex G
	3	91.3 -14.7	98.7 99	91.0 -17.2	105.5 99	-0.1	-2.4	6.8	7.2	and DIN 33866-1:2000 Annex G
	4	91.6 -13.6	91.7 99	91.0 -17.3	99.3 100	-0.5	-3.6	7.6	8.4	relative CIELAB data used for "out"
	5	91.9 -12.6	84.7 99	91.3 -17.0	91.1 101	-0.4	-4.3	6.4	7.8	$\Delta L^* = 95.43 - 90.68$
	6	92.2 -11.5	77.6 99	91.8 -16.2	78.9 102	-0.3	-4.6	1.3	4.8	Regularity
	7	92.5 -10.5	70.6 99	92.0 -15.4	70.5 102	-0.4	-4.8	0.0	4.9	$g^* = 43.8$
	8	92.8 -9.4	63.6 99	92.2 -14.9	65.2 103	-0.5	-5.4	1.6	5.7	5.8
	9	93.1 -8.4	56.6 98	92.6 -13.9	57.1 104	-0.3	-5.5	0.5	5.6	5.6
	10	93.4 -7.3	49.5 98	92.8 -13.0	50.5 105	-0.4	-5.6	1.0	5.8	5.8
	11	93.6 -6.2	42.5 98	93.1 -12.1	44.8 105	-0.5	-5.8	2.3	6.3	6.3
	12	93.9 -5.2	35.5 98	93.6 -10.6	37.0 106	-0.3	-5.3	1.5	5.6	5.6
	13	94.2 -4.1	28.4 98	94.0 -8.4	27.5 107	-0.2	-4.2	-0.8	4.4	4.4
	14	94.5 -3.1	21.4 98	94.3 -6.4	20.0 108	-0.2	-3.2	-1.3	3.6	3.6
	15	94.8 -2.0	14.4 98	94.7 -4.6	13.9 109	0.0	-2.5	-0.4	2.6	2.6
	16	95.1 -1.0	7.3 98	95.1 -2.3	6.7 110	0.0	-1.2	-0.5	1.5	1.5
	17	95.4 0.0	0.3 90	95.4 0.0	0.3 90	0.0	0.0	0.0	0.0	0.0
W	18	90.7 -16.8	112.8 99	90.7 -16.8	112.8 99	0.0	0.0	0.0	0.0	0.0
	19	91.9 -12.6	84.7 99	91.3 -17.0	91.1 101	-0.4	-4.3	6.4	7.8	7.8
	20	93.1 -8.4	56.6 98	92.6 -13.9	57.1 104	-0.3	-5.5	0.5	5.6	5.6
	21	94.2 -4.1	28.4 98	94.0 -8.4	27.5 107	-0.2	-4.2	-0.8	4.4	4.4
	22	95.4 0.0	0.3 90	95.4 0.0	0.3 90	0.0	0.0	0.0	0.0	0.0
W	22	95.4 0.0	0.3 90	95.4 0.0	0.3 90	0.0	0.0	0.0	0.0	0.0
Mean colour production index:									$R^*_{ab,m} = 80$	

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



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

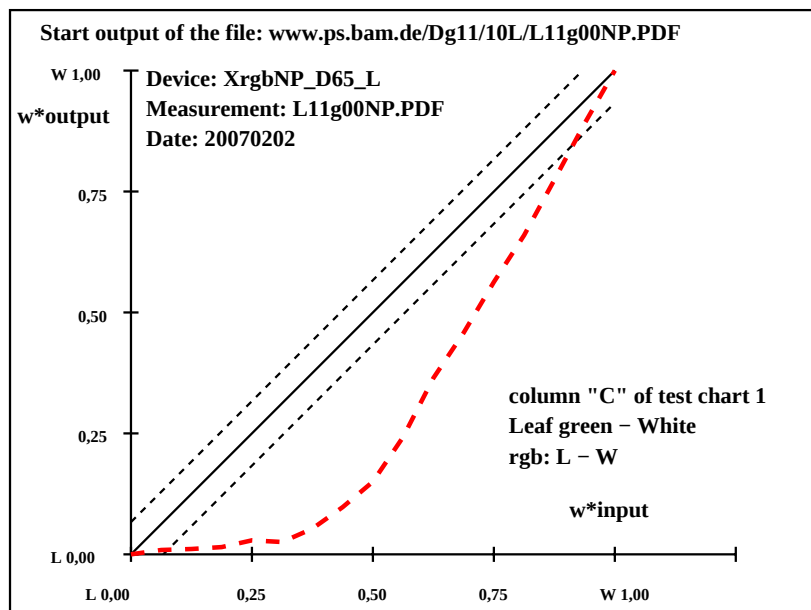
input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

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/L18E02NA.PS.TXT 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	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	ΔL* = 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	1.0	95.5	0.0	0.1	90 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	
	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	90	0.0	0.1	90 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

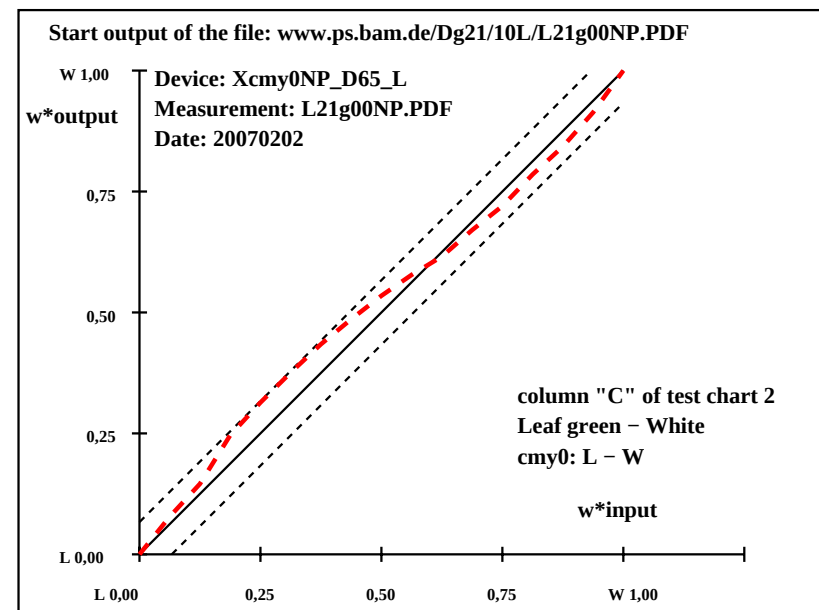


De180-7N, ; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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	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	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	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	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	$\Delta L^* = 95.38 - 48.9$	
	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	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	$g^* = 62.1$	
	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		
	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	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	$f^* = 60.1$	
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		
	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	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	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		
	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	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	$\Delta H^*_{CIELAB} = 4.6$	
	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	$\Delta E^*_{CIELAB} = 5.5$	
	L	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	
		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	
		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	Mean CIELAB difference (5 steps)
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	$\Delta H^*_{CIELAB} = 3.6$	
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	$\Delta E^*_{CIELAB} = 4.2$	
Mean colour reproduction index:										$R^*_{ab,m} = 76$						

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



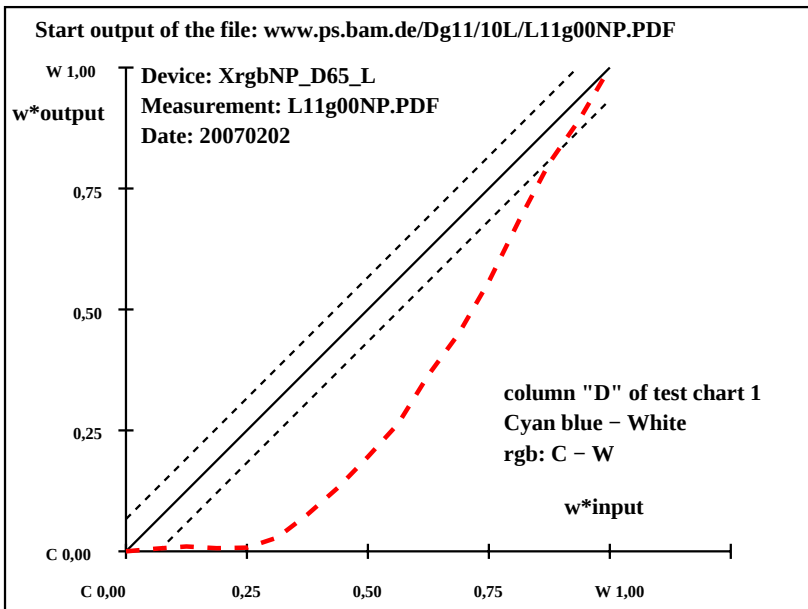
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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						
C	1	51.2	-15.7	-52.5	253	51.2	-15.7	-52.5	253	0.0	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	4.7	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	9.2	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	13.3	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	17.2	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	20.3	Regularity
	7	67.7	-9.8	-32.8	253	55.1	-16.2	-48.9	252	-12.5	-6.3	-16.0	17.3	21.4	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	22.1	
	9	73.3	-7.8	-26.3	253	58.6	-15.8	-40.9	249	-14.6	-7.9	-14.6	16.7	22.2	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	22.1	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	19.6	
	12	81.6	-4.8	-16.4	253	68.6	-12.1	-26.3	245	-12.9	-7.2	-9.8	12.3	17.9	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	14.4	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	9.9	
	15	89.9	-1.9	-6.6	253	87.0	-5.8	-9.9	239	-2.7	-3.8	-3.2	5.2	5.9	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	3.6	ΔH*CIELAB = 10.1
W	17	95.4	0.0	0.0	270	95.4	0.0	0.0	270	0.0	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	270	0.0	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

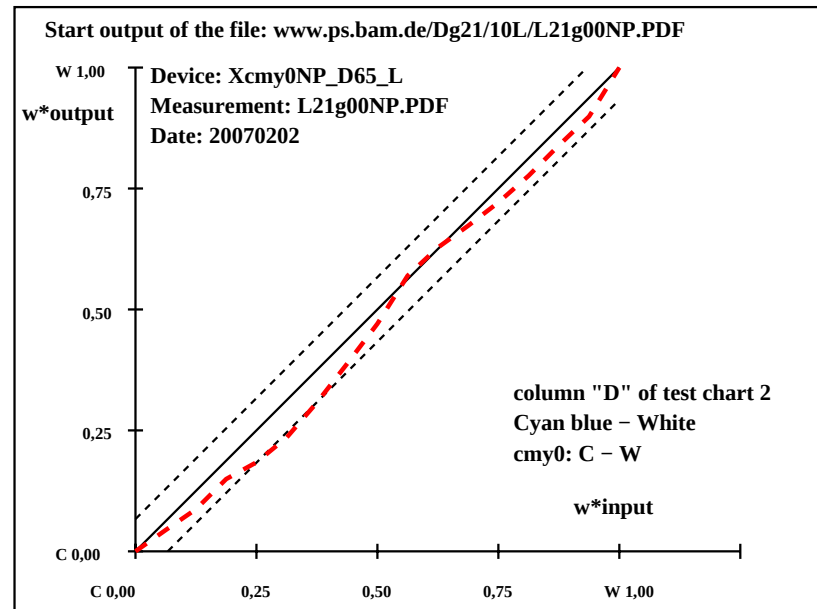


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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
W	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* _{CIELAB} = 3.1
	17	95.4	0.0	0.0	0	95.4	0.0	0.0	ΔE* _{CIELAB} = 3.9
	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)
W	21	85.5-4.8-10.3	245	83.9-7.1-10.3	235	-1.5	-2.2	0.0	ΔH* _{CIELAB} = 2.4
	22	95.4	0.0	0.0	0	95.4	0.0	0.0	ΔE* _{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

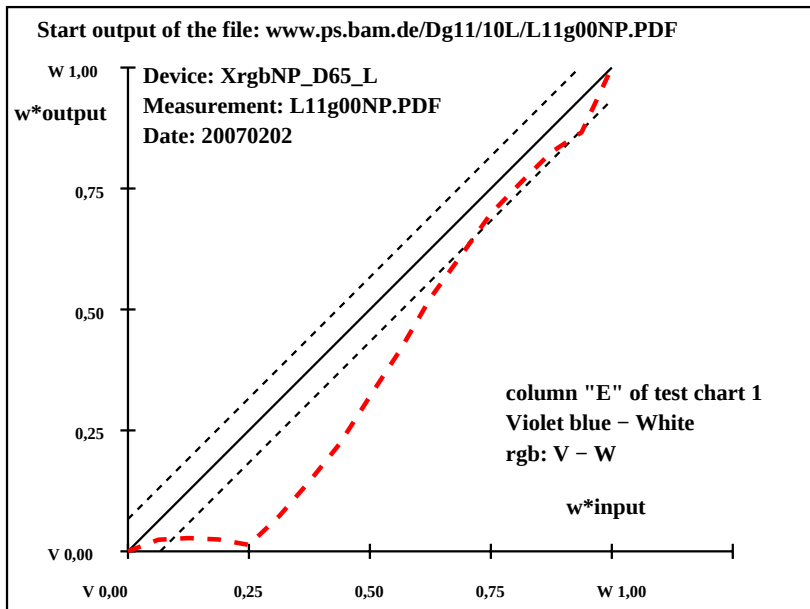
input: *rgb/cmy0* (->*olv**, ->*cmy0**)
output: no change compared to input

Version 2.1, io=1,1

UNIT

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 38866-1:2000 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

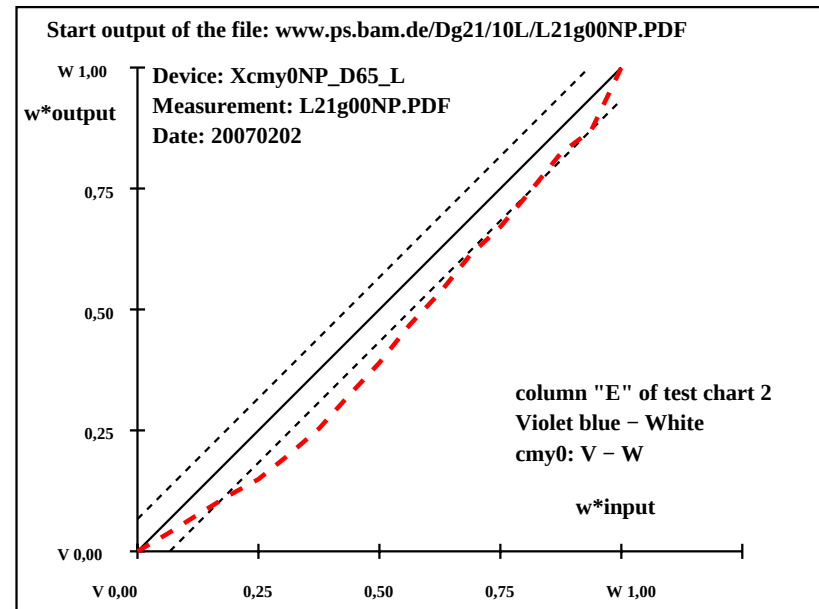


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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	ΔL* = 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
W	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	ΔH* _{CIELAB} = 4.6
	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	ΔE* _{CIELAB} = 6.8
	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)
W	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	ΔH* _{CIELAB} = 3.7
	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	ΔE* _{CIELAB} = 5.3
Mean colour reproduction index:										R* _{ab,m} = 70					

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



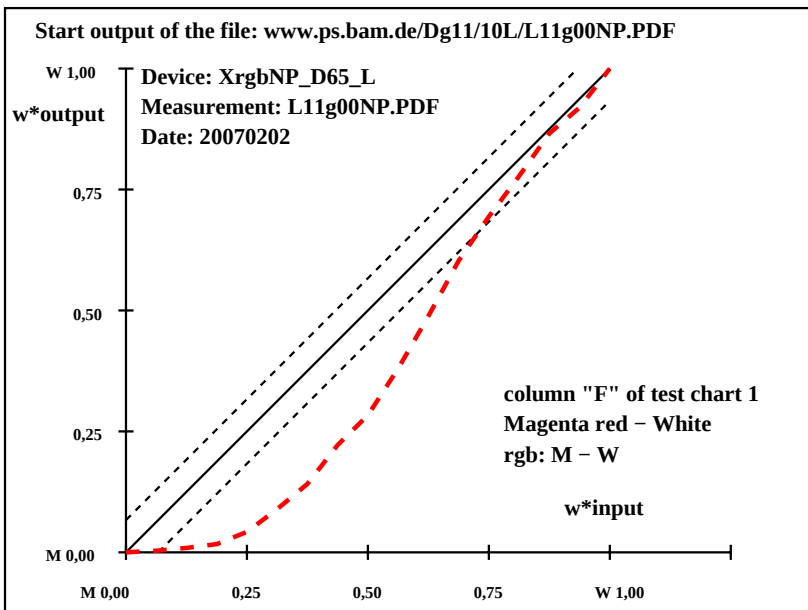
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

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									
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	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	4.6	5.4	10.3	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	10.3	10.3	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	15.2	15.2	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	19.2	19.2	19.2	ΔE* = 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	21.7	21.7	21.7	Regularity
	7	64.6	44.6	-3.9	355	51.1	61.0	-10.8	350	-13.4	15.4	-6.8	17.8	22.4	22.4	22.4	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	21.2	21.2	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	20.9	20.9	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	17.9	17.9	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	13.8	13.8	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	10.2	10.2	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	8.8	8.8	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	7.9	7.9	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	6.6	6.6	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	4.7	4.7	4.7	ΔH*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	0.0	0.0	0.0	0.0	ΔE*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	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	19.2	19.2	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	20.9	20.9	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	8.8	8.8	8.8	ΔH*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	0.0	0.0	0.0	0.0	ΔE*CIELAB = 9.8
Mean colour reproduction index:																		R* _{ab,m} = 47

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

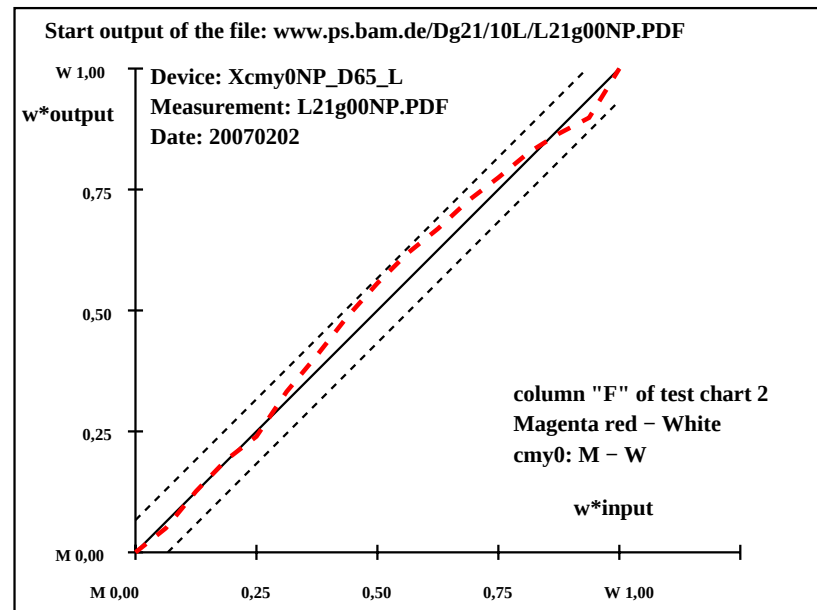


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "F"; *rgb*- and *cmy0*-input data, Page 6/24

T	i	LAB*a _{ref}		hab _{ref}	LAB*a _{a,out}		hab _{a,out}	LAB*a _{a,out} /c-refΔH* 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	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	ΔL* = 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	ΔH*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	ΔE*CIELAB = 4.2	
W	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		
M	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	ΔH*CIELAB = 2.6	
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 = 3.2	
Mean colour reproduction index:										R* _{ab,m} = 82						

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



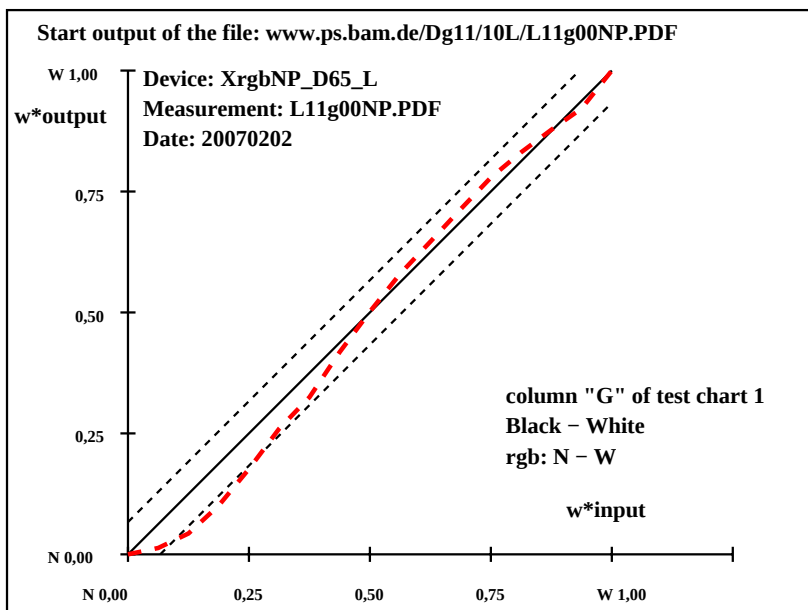
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

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

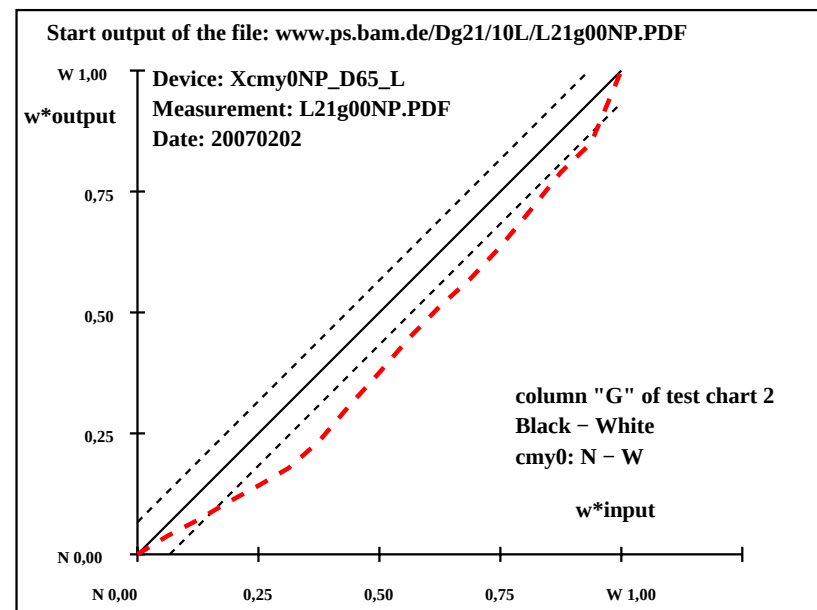


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "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	Specification according to			
	2	31.2	0.0	0.0	0	29.2	-0.6	1.1	122	-1.9	-0.6	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	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	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	ΔL* = 95.41 – 26.94			
	6	48.3	0.0	0.0	0	38.8	-1.7	2.1	131	-9.4	-1.7	Regularity			
	7	52.6	0.0	0.0	0	42.6	-1.3	3.0	115	-9.9	-1.3	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
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} = 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	ΔH* _{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	ΔE* _{CIELAB} = 6.0
Mean colour reproduction index:										R* _{ab,m} = 66					

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



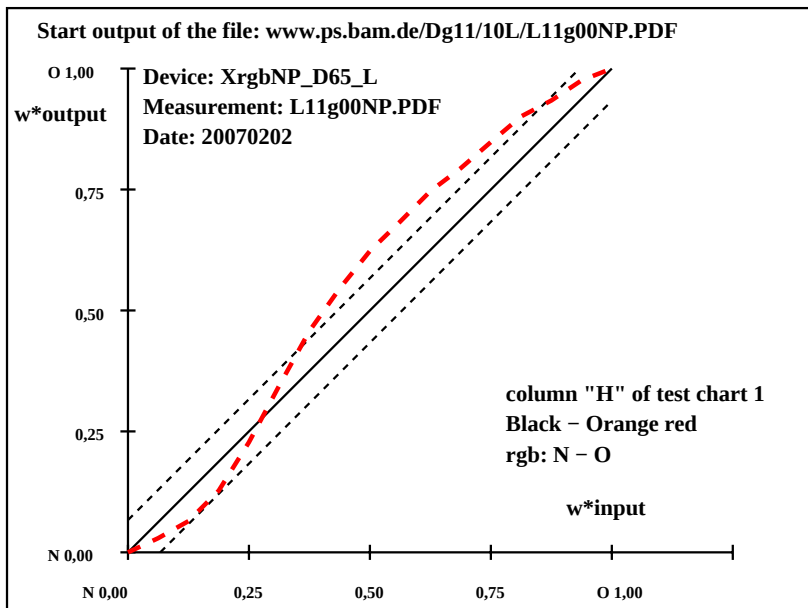
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

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	22.0	0.0	0.0	0	22.0	0.0	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	347	-1.9	-1.6	-2.8	3.3	3.9	ISO/IEC 15775:1999 Annex G
	3	25.1	7.6	4.7	32	21.6	4.8	0.7	8	-3.3	-2.7	-3.9	4.9	6.0	and DIN 33866-1:2000 Annex G
	4	26.6	11.3	7.1	32	23.6	8.5	4.2	26	-2.9	-2.7	-2.8	4.1	5.1	relative CIELAB data used for "out"
	5	28.1	15.1	9.5	32	26.4	13.3	9.9	37	-1.6	-1.7	0.4	1.9	2.5	ΔL* = 46.32 - 22.02
	6	29.6	18.9	11.8	32	30.4	16.7	18.0	47	0.8	-2.1	6.2	6.6	6.6	Regularity
	7	31.1	22.7	14.2	32	33.1	22.8	23.4	46	1.9	0.1	9.2	9.2	9.4	g* = 44.0
	8	32.7	26.5	16.5	32	34.7	28.2	27.1	44	2.0	1.7	10.6	10.7	10.9	
	9	34.2	30.3	18.9	32	36.4	33.4	29.7	42	2.2	3.2	10.8	11.3	11.5	Lightness gamut relative to offset
	10	35.7	34.0	21.3	32	37.5	37.3	32.0	41	1.8	3.3	10.7	11.2	11.4	f* = 31.4
	11	37.2	37.8	23.6	32	38.7	41.6	34.0	39	1.5	3.8	10.4	11.0	11.1	
	12	38.7	41.6	26.0	32	39.9	44.7	35.5	38	1.2	3.1	9.5	10.0	10.1	Black – Orange red
	13	40.2	45.4	28.4	32	41.4	48.6	36.7	37	1.2	3.2	8.4	9.0	9.0	rgb: N – O
	14	41.8	49.2	30.7	32	42.9	52.1	38.2	36	1.2	2.9	7.5	8.0	8.1	
	15	43.3	52.9	33.1	32	44.3	54.9	38.0	35	1.0	2.0	4.9	5.3	5.4	Mean CIELAB difference (17 steps)
	16	44.8	56.7	35.4	32	45.6	58.3	38.1	33	0.8	1.6	2.7	3.1	3.2	ΔH*CIELAB = 6.4
O	17	46.3	60.5	37.8	32	46.3	60.5	37.8	32	0.0	0.0	0.0	0.0	0.0	ΔE*CIELAB = 6.7
N	18	22.0	0.0	0.0	0	22.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	
	19	28.1	15.1	9.5	32	26.4	13.3	9.9	37	-1.6	-1.7	0.4	1.9	2.5	
	20	34.2	30.3	18.9	32	36.4	33.4	29.7	42	2.2	3.2	10.8	11.3	11.5	Mean CIELAB difference (5 steps)
	21	40.2	45.4	28.4	32	41.4	48.6	36.7	37	1.2	3.2	8.4	9.0	9.0	ΔH*CIELAB = 4.4
O	22	46.3	60.5	37.8	32	46.3	60.5	37.8	32	0.0	0.0	0.0	0.0	0.0	ΔE*CIELAB = 4.6
Mean colour reproduction index: R* _{ab,m} = 71															

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

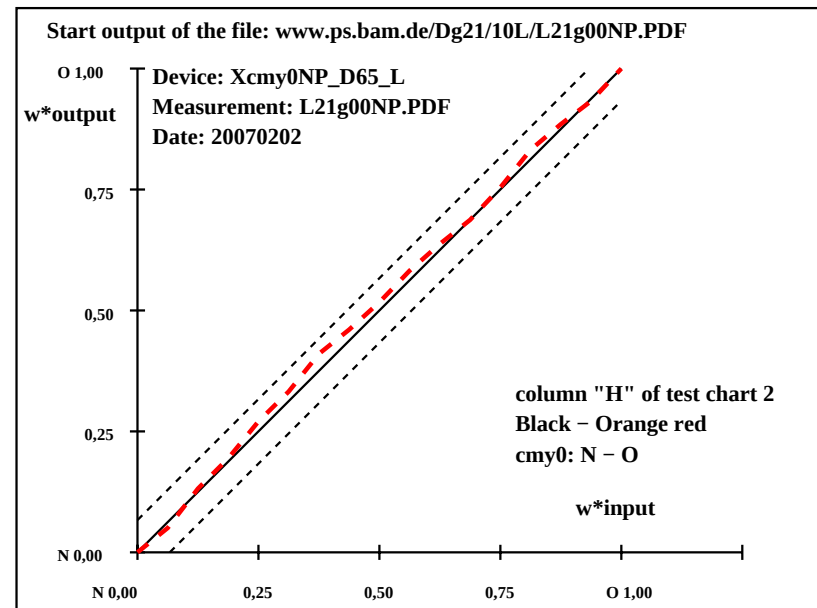


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "H"; *rgb*- and *cmY0*-input data, Page 8/24

T	i	LAB*a _{ref}		hab _{ref}	LAB*a _{out}		hab _{out}	LAB*a _{out} /c-ref				ΔH*	ΔE*	Start output S1	
N	1	28.0	2.1	0.8	21	28.0	2.1	0.8	21	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	29.2	5.7	3.6	32	28.9	5.1	3.0	30	-0.2	-0.5	-0.5	0.9	0.9	ISO/IEC 15775:1999 Annex G
	3	30.3	9.3	6.5	35	30.0	11.0	4.8	24	-0.2	1.7	-1.6	2.4	2.4	and DIN 33866-1:2000 Annex G
	4	31.5	12.9	9.3	36	31.3	14.6	7.8	28	-0.1	1.7	-1.4	2.2	2.3	relative CIELAB data used for "out"
	5	32.7	16.5	12.1	36	32.2	19.3	11.1	30	-0.4	2.8	-0.9	3.0	3.0	ΔL* = 46.67 – 27.99
	6	33.8	20.1	15.0	37	32.8	23.1	13.8	31	-0.9	3.0	-1.1	3.2	3.4	Regularity
	7	35.0	23.7	17.8	37	33.9	27.8	17.2	32	-1.0	4.1	-0.5	4.1	4.2	g* = 59.4
	8	36.2	27.3	20.6	37	35.0	30.8	19.3	32	-1.1	3.5	-1.2	3.7	3.9	
	9	37.3	31.0	23.4	37	36.4	34.3	21.4	32	-0.8	3.3	-1.9	3.9	4.0	Lightness gamut relative to offset
	10	38.5	34.6	26.3	37	37.3	37.8	24.9	33	-1.1	3.2	-1.3	3.5	3.7	f* = 24.1
	11	39.7	38.2	29.1	37	38.3	41.1	27.3	34	-1.3	2.9	-1.7	3.5	3.7	
	12	40.8	41.8	31.9	37	38.8	43.7	30.1	35	-1.9	1.9	-1.7	2.7	3.3	Black – Orange red
	13	42.0	45.4	34.8	37	40.2	47.2	33.6	35	-1.7	1.8	-1.1	2.2	2.8	cmY0: N – O
	14	43.2	49.0	37.6	38	42.1	51.4	37.4	36	-1.0	2.4	-0.1	2.4	2.7	
	15	44.3	52.6	40.4	38	43.4	54.5	39.6	36	-0.9	1.9	-0.7	2.1	2.3	Mean CIELAB difference (17 steps)
	16	45.5	56.2	43.3	38	44.4	56.9	42.2	37	-1.0	0.7	-1.0	1.3	1.7	ΔH* _{CIELAB} = 2.4
O	17	46.7	59.8	46.1	38	46.7	59.8	46.1	38	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 2.6
N	18	28.0	2.1	0.8	21	28.0	2.1	0.8	21	0.0	0.0	0.0	0.0	0.0	
	19	32.7	16.5	12.1	36	32.2	19.3	11.1	30	-0.4	2.8	-0.9	3.0	3.0	
	20	37.3	31.0	23.4	37	36.4	34.3	21.4	32	-0.8	3.3	-1.9	3.9	4.0	Mean CIELAB difference (5 steps)
O	21	42.0	45.4	34.8	37	40.2	47.2	33.6	35	-1.7	1.8	-1.1	2.2	2.8	ΔH* _{CIELAB} = 1.8
	22	46.7	59.8	46.1	38	46.7	59.8	46.1	38	0.0	0.0	0.0	0.0	0.0	ΔE* _{CIELAB} = 2.0
Mean colour reproduction index:										R* _{ab,m} = 89					

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

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	$\Delta H^*_{\text{CIELAB}} = 4.5$

1	111.799	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{\text{CIELAB}} =$	5.0
0	0.0	0	0.0	0.0	0.0	0.0	0.0	
9	31.3	103	-1.1	-2.6	3.4	4.3	4.5	

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

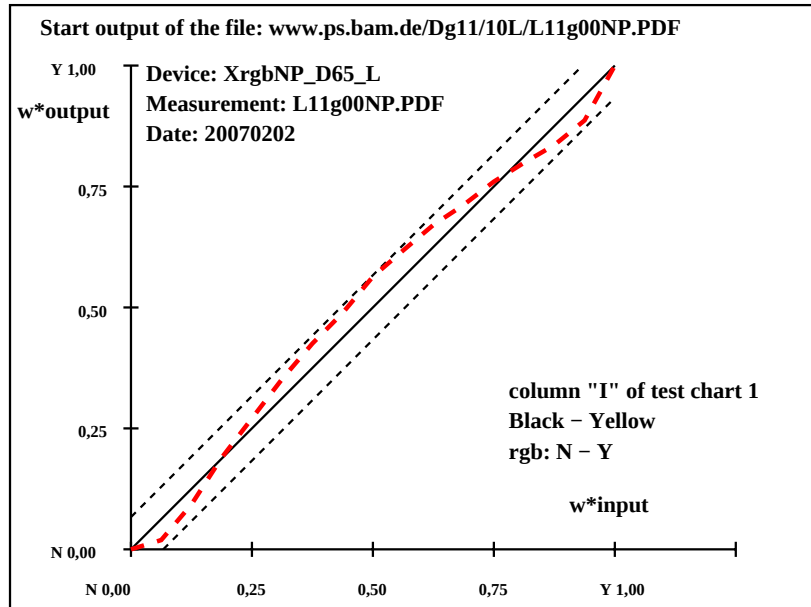
14	79.1	-13.1	91.4	98	71.3	-11.2	82.6	98	-7.7	1.9	-8.7	9.0	11.9	Mean CIELAB difference (17 steps) $\Delta H^*_{\text{CIELAB}} = 6.8$
15	83.0	-14.4	98.3	98	76.6	-13.3	90.7	98	-6.3	1.1	-7.5	7.7	10.0	
16	86.9	-15.7	105.3	99	81.0	-13.2	97.5	98	-5.8	2.5	-7.7	8.2	10.1	

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

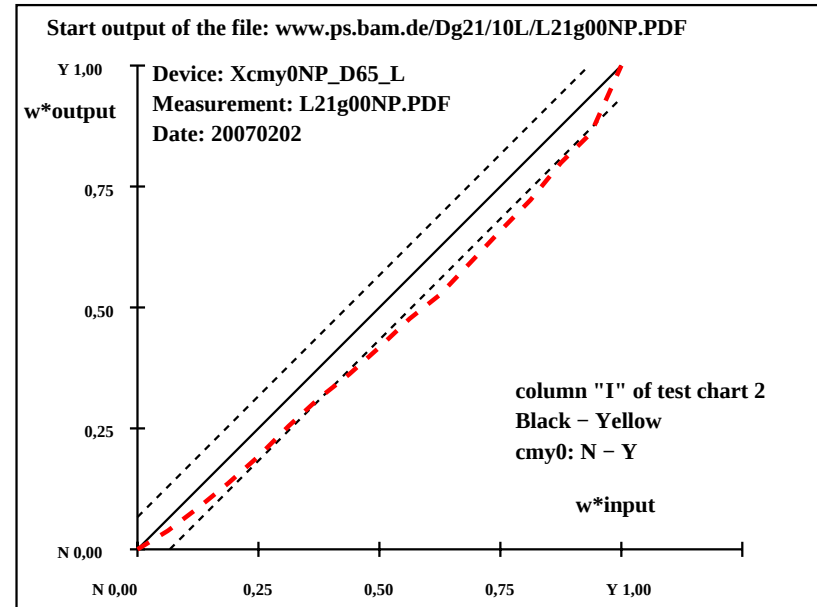
	20	59.5	-6.5	56.7	97	51.3	-7.4	48.7	99	-8.2	-0.8	-7.9	8.1	11.6	Mean CIELAB difference (5 steps)
	21	75.2	-11.8	84.5	98	66.8	-10.2	75.7	98	-8.3	1.6	-8.7	8.9	12.3	$\Delta H^*_{CIELAB} = 4.9$
Y	22	90.8	-17.0	112.2	99	90.8	-17.0	112.2	99	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 6.6$

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

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

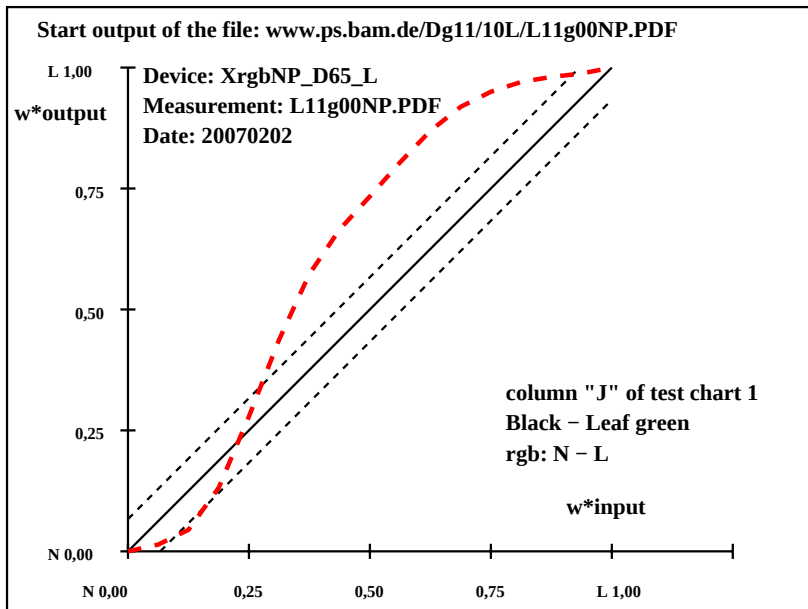
Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "I"; *rgb*- and *cmy0*-input data, Page 9/24

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	21.9	0.0	0.0	0	21.9	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	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	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	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	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	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	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	
	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	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	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	
	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	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	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	
	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	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	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	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	
	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	
	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	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	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	ΔE* _{CIELAB} = 7.7
Mean colour reproduction index:										R* _{ab,m} = 54					

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

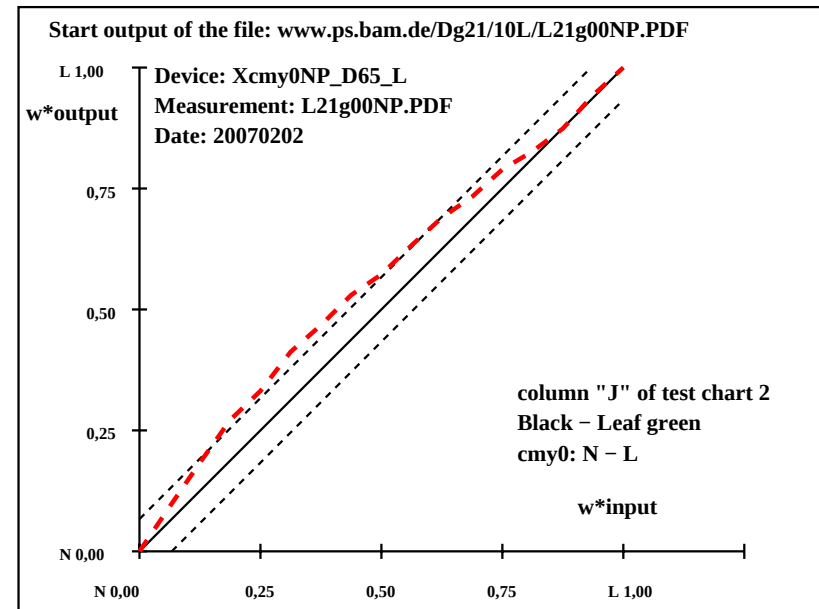


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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- ΔE^*				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	$f^* = 24.9$
	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	$\Delta H^{*}_{CIELAB} = 4.4$
	L	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
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	
N	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	$\Delta H^{*}_{CIELAB} = 3.3$
	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	$\Delta E^{*}_{CIELAB} = 3.3$
L	Mean colour reproduction index:										$R^{*}_{ab,m} = 81$				

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



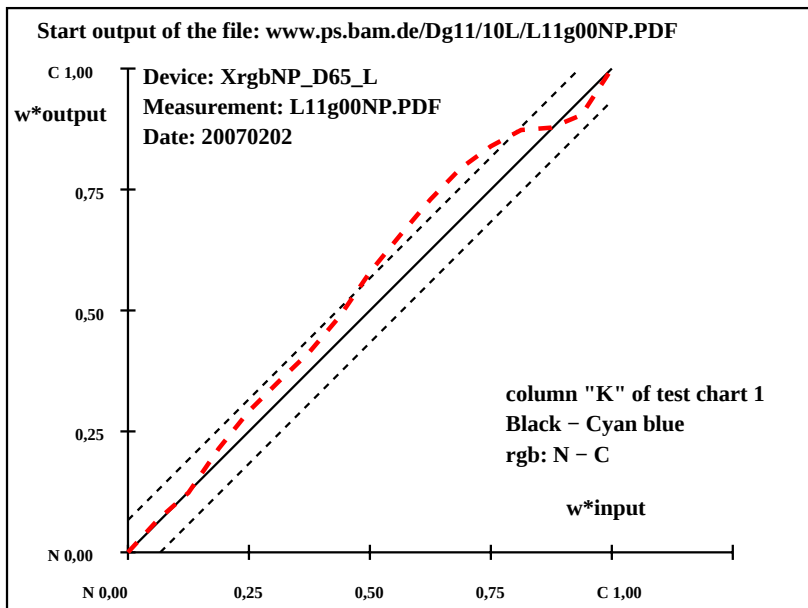
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070207

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-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

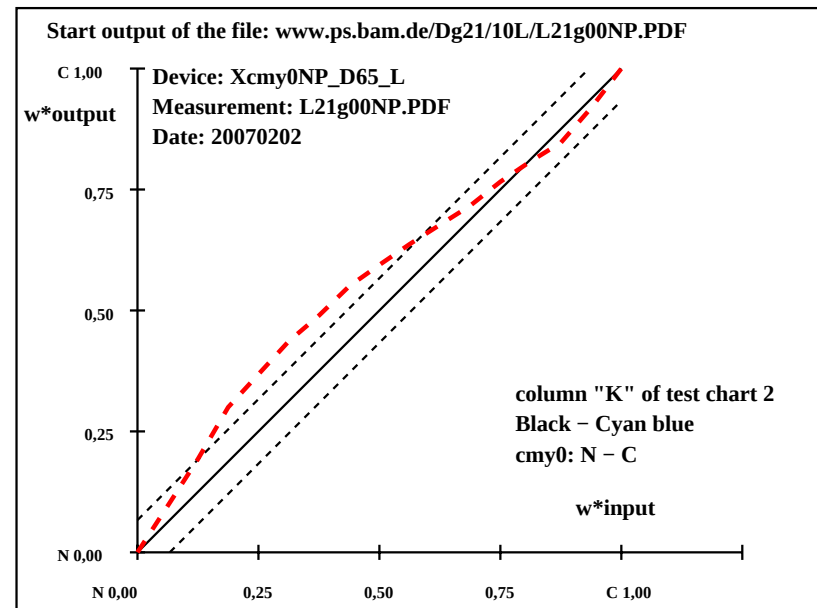


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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		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		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		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	$\Delta L^* = 55.36 - 29.15$	
	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	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	$g^* = 61.5$	
	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	42.3	-8.8	-20.1	246	40.0	-25.1	-10.3	202	-2.2	-16.3	9.8	19.0	19.2	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	$f^* = 33.9$	
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			
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	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	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			
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	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	$\Delta H^*_{CIELAB} = 11.1$		
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	$\Delta E^*_{CIELAB} = 11.2$	
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		
	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	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	$\Delta H^*_{CIELAB} = 9.1$		
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	$\Delta E^*_{CIELAB} = 9.1$	
Mean colour reproduction index:															$R^*_{ab,m} = 51$	

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



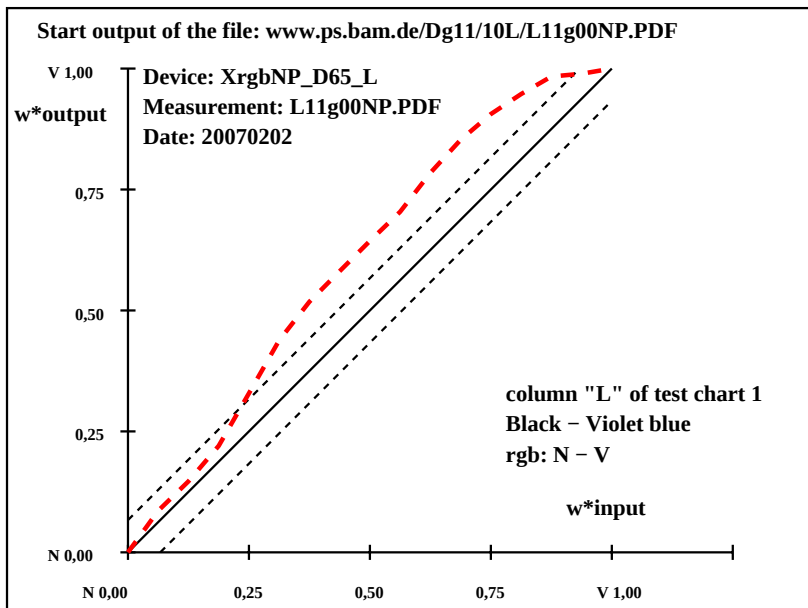
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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
V	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

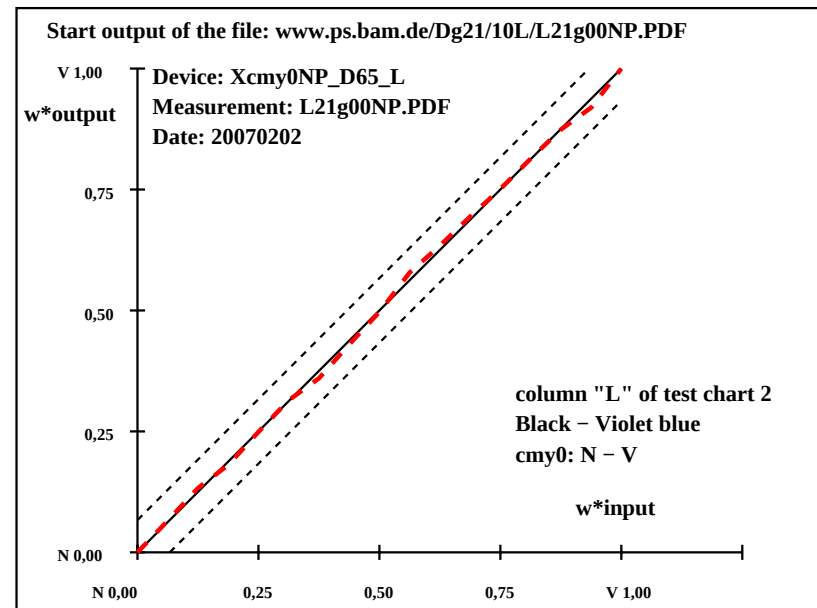


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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



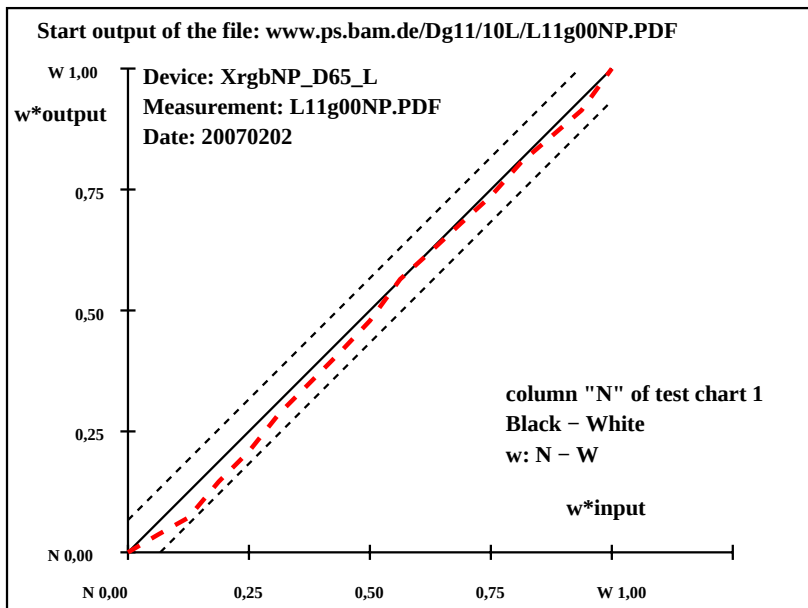
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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-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

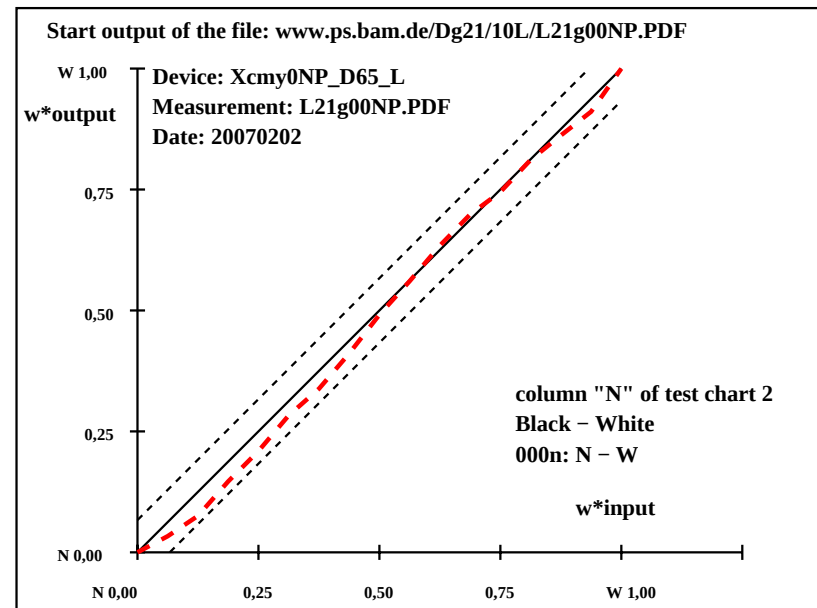


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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	68.0	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



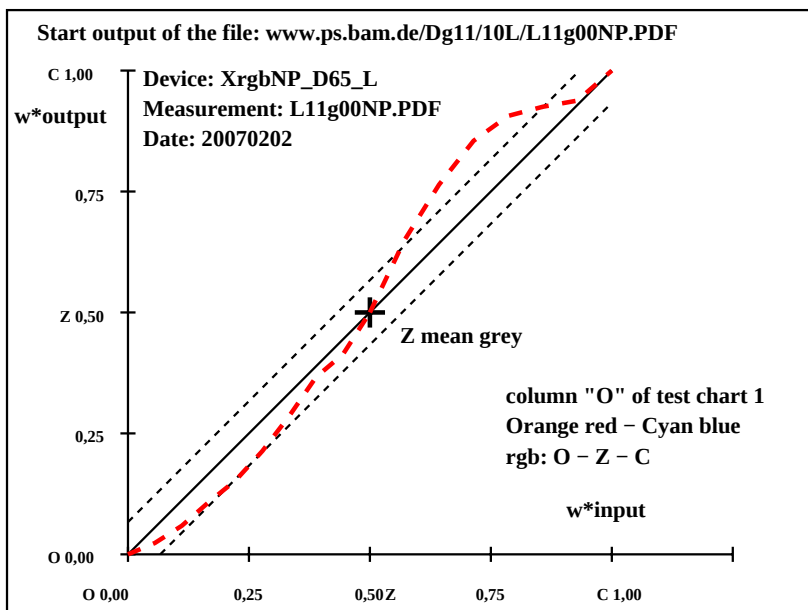
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

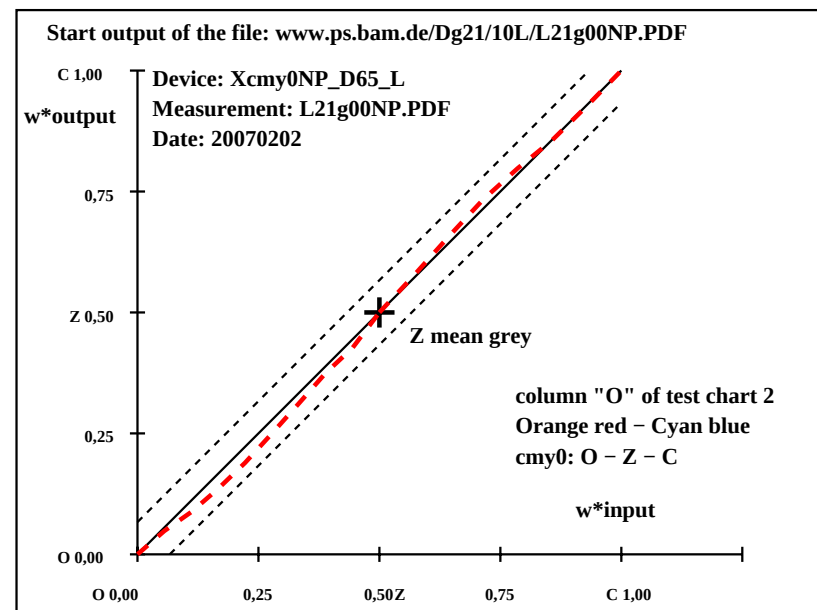


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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	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	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	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	5.5	
	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	4.8	
	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	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	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	0.7	
Z	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	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	4.1	
	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	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	8.4	Orange red – Cyan blue
	13	54.4	-11.0	-16.8	237	52.9	-20.0	-14.8	217	-1.4	-9.0	2.0	9.3	9.4	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	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	6.2	Mean CIELAB difference (17 steps)
	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	3.7	$\Delta H^*_{CIELAB} = 4.0$
C	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	0.0	$\Delta E^*_{CIELAB} = 4.1$
O	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	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	4.8	
Z	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	0.0	Mean CIELAB difference (5 steps)
	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	9.4	$\Delta H^*_{CIELAB} = 2.8$
C	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	0.0	$\Delta E^*_{CIELAB} = 2.8$

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



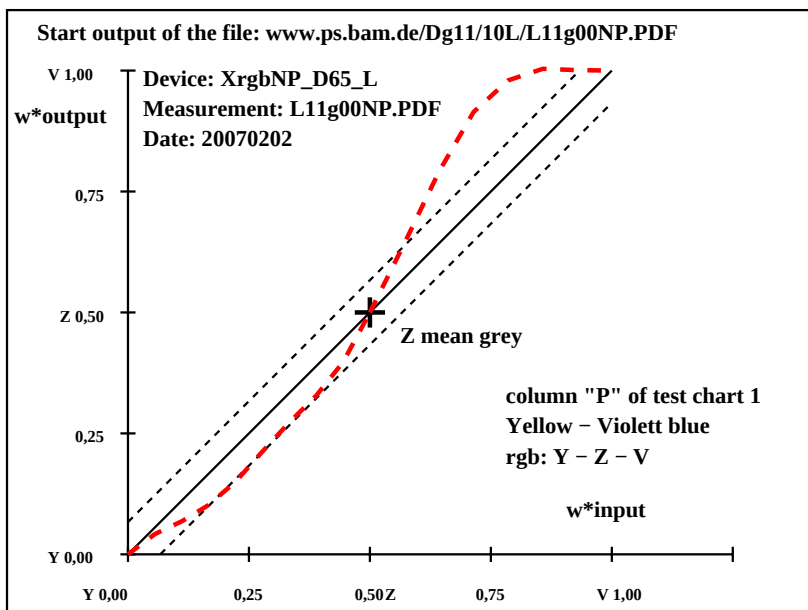
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

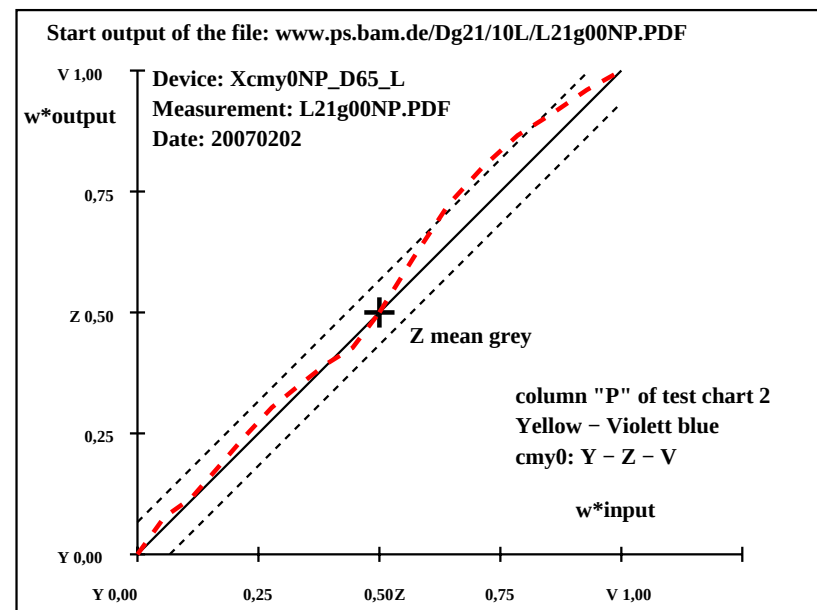


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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	ΔH* _{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	ΔE* _{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	ΔH* _{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	ΔE* _{CIELAB} = 3.5	

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



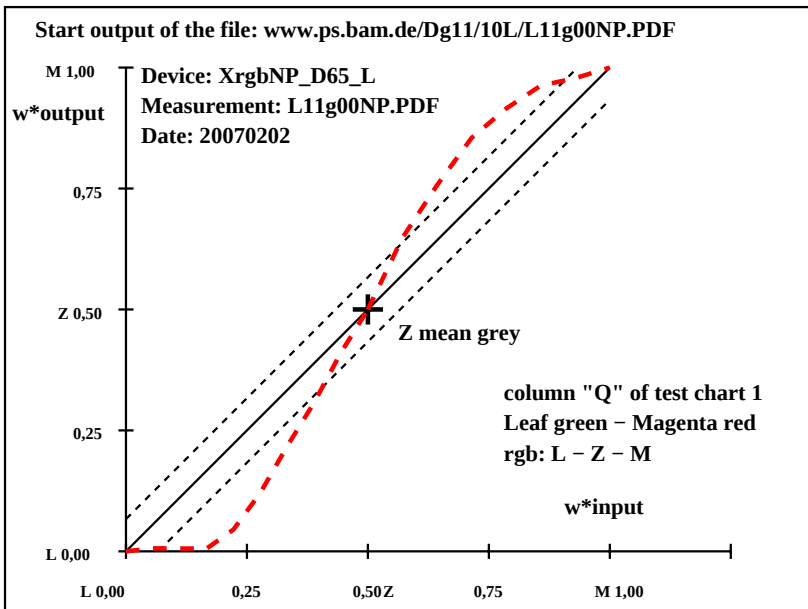
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

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 ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G	
	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		
	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		
	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		
	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		
	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
	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
	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
	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
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
	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
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
	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
M	23	47.5–66.6	39.0	150	47.5–66.6	39.0	150	0.0 0.0 0.0 0.0 0.0		
	24	52.7–33.3	19.6	150	48.9–58.8	35.8	149	–3.7–25.5 16.3 30.3 30.5		
Z	25	57.9	0.0	0.1	90	57.9	0.0	0.1	90	0.0 0.0 0.0 0.0 0.0
	26	51.9	35.8	–2.8	355	41.0	50.6	–17.3	341	–10.8 14.8–14.5 20.8 23.5
M	27	45.9	71.5	–5.7	355	45.9	71.5	–5.7	355	0.0 0.0 0.0 0.0 0.0
	28	47.5–66.6	39.0	150	47.5–66.6	39.0	150	0.0 0.0 0.0 0.0 0.0		

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

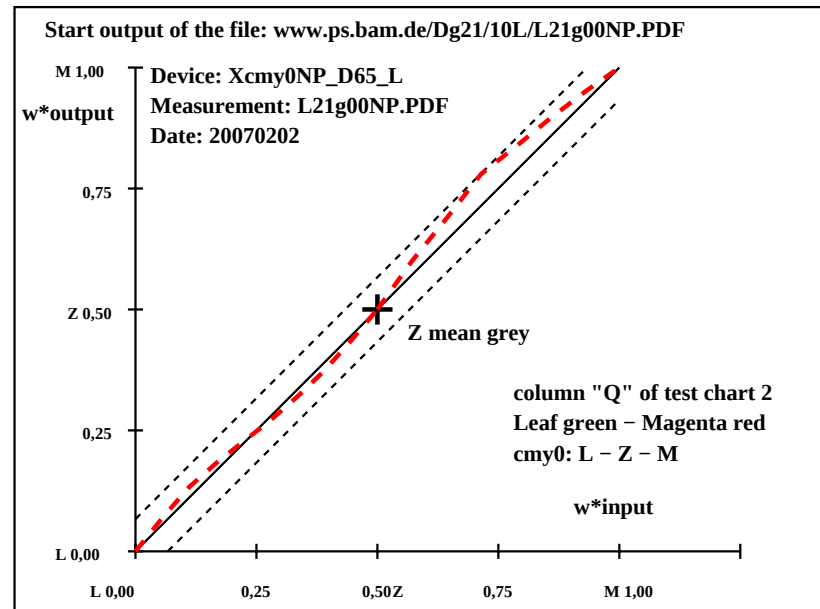


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1						
L	1	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 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 IEN 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	
	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)
	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: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



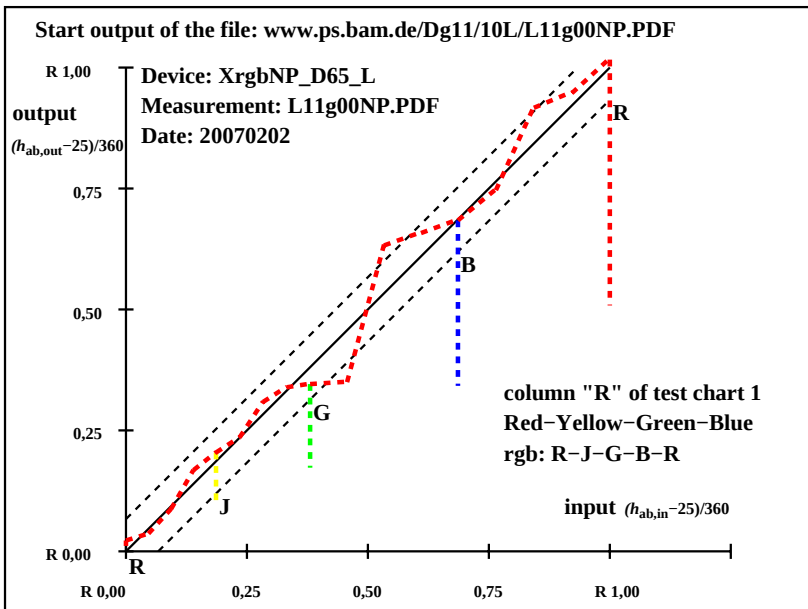
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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-ref}			ΔH* ΔE*	Start output S1			
R	1	46.3	62.7	29.2	25	46.2	60.2	39.2	33	0.0	-2.4	10.0	10.3	10.3	Specification according to ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G
	2	50.5	52.8	47.1	42	47.0	58.3	45.9	38	-3.4	5.5	-1.1	5.6	6.6	
	3	59.3	37.6	61.3	58	56.4	41.7	62.8	56	-2.8	4.1	1.5	4.4	5.2	
	4	69.2	20.4	77.4	75	75.9	7.2	90.6	85	6.7	-13.1	13.2	18.6	19.8	
J	5	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99	7.7	-13.3	12.6	18.4	20.0	
	6	77.6	-31.8	90.0	110	76.6	-31.4	88.0	110	-0.9	0.4	-1.9	2.0	2.2	
	7	62.6	-48.6	64.6	127	55.6	-54.4	52.3	136	-6.9	-5.7	-12.2	13.6	15.3	
	8	50.5	-62.0	44.3	145	48.6	-63.3	41.1	147	-1.8	-1.2	-3.1	3.5	3.9	
G	9	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149	0.6	-7.7	19.8	21.3	21.3	
	10	48.4	-42.2	-7.0	190	48.2	-64.4	35.9	151	0.0	-22.1	43.0	48.4	48.4	
C ¹	11	49.4	-32.2	-24.2	217	52.1	-16.3	-52.3	253	2.6	15.9	-28.0	32.3	32.4	Red-Yellow-Green-Blue rgb: R-J-G-B-R
	12	50.6	-20.8	-43.7	245	46.0	-7.1	-50.1	262	-4.5	13.7	-6.3	15.1	15.8	
B	13	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271	0.7	0.5	0.0	0.6	1.0	
	14	40.5	21.6	-36.9	300	33.5	19.1	-43.3	294	-6.9	-2.4	-6.3	6.8	9.8	
M ¹⁵	42.7	41.0	-25.0	329	46.2	71.5	-6.1	355	3.5	30.5	18.9	35.9	36.1	Mean CIELAB difference (17 steps)	
	16	46.1	70.7	-3.9	357	46.0	67.5	7.0	6	0.0	-3.1	11.0	11.5		11.5
R	17	46.3	62.7	29.2	25	46.2	60.8	36.4	31	0.0	-1.8	7.2	7.4	7.4	ΔH [*] _{CIELAB} = 14.6
															ΔE [*] _{CIELAB} = 15.7
R	18	46.3	62.7	29.2	25	46.2	60.2	39.2	33	0.0	-2.4	10.0	10.3	10.3	
J	19	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99	7.7	-13.3	12.6	18.4	20.0	
G	20	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149	0.6	-7.7	19.8	21.3	21.3	
B	21	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271	0.7	-0.5	0.0	0.6	1.0	
R	22	46.3	62.7	29.2	25	46.2	60.8	36.4	31	0.0	-1.8	7.2	7.4	7.4	ΔE [*] _{CIELAB} = 12.0

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

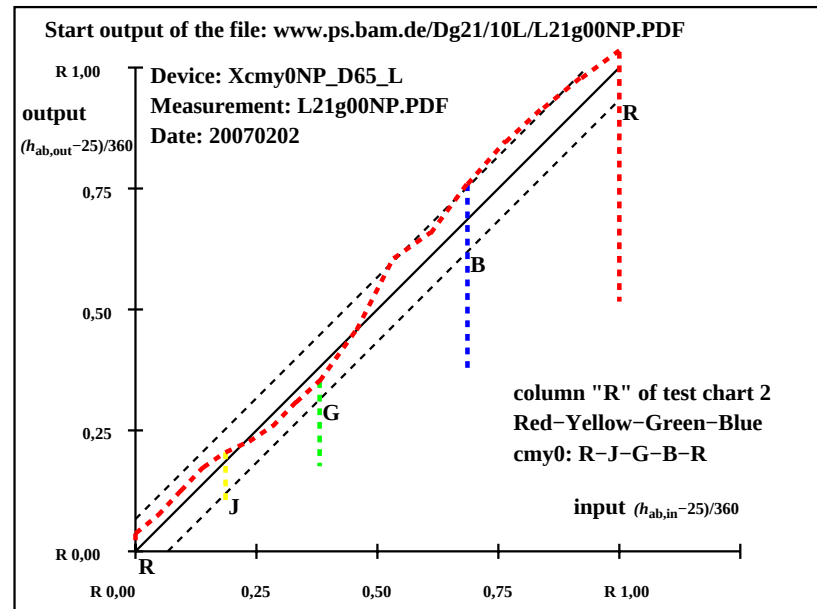


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1
17 step colour scale "R"; *rgb*- and *cmy0*-input data, Page 18/24

T	i	LAB*a,ref		hab,ref	LAB*a,out		hab,out	LAB*a,out-ref		ΔH^*	ΔE^*	Start output S1			
R	1	46.5	61.0	28.4	25	48.0	58.0	45.8	38	1.5	-2.9	17.4	17.6	17.7	Specification according to ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G
	2	48.5	56.3	50.2	42	55.5	43.9	55.7	52	7.0	-12.3	5.5	13.5	15.2	
	3	58.2	39.6	64.6	58	65.4	25.9	70.2	70	7.2	-13.6	5.6	14.8	16.4	
	4	68.8	21.1	80.3	75	77.5	4.3	90.4	87	8.7	-16.7	10.1	19.6	21.5	
J	5	83.0	-3.4	101.4	92	90.8	-17.0	112.2	99	7.8	-13.5	10.8	17.3	19.0	
	6	77.8	-31.2	88.3	110	77.8	-26.2	88.0	107	0.0	5.0	-0.2	5.0	5.0	
	7	64.0	-46.6	61.9	127	66.4	-33.3	62.8	118	2.4	13.3	0.9	13.3	13.5	
	8	53.5	-58.4	41.7	145	59.1	-46.7	45.4	136	5.6	11.7	3.7	12.3	13.5	
G	9	50.3	-54.5	17.7	162	50.5	-60.9	32.9	152	0.3	-6.3	15.2	16.5	16.5	
	10	52.5	-40.0	-6.6	190	53.3	-43.5	-7.3	190	0.8	-3.4	-0.6	3.6	3.7	
C	11	54.0	-30.4	-22.9	217	57.2	-20.4	-40.0	243	3.3	10.0	-17.0	19.8	20.1	Red- Yellow- Green- Blue cmy0: R- J- G- B- R
	12	55.6	-19.6	-41.1	245	44.0	-5.1	-34.8	262	-11.6	14.5	6.3	15.8	19.6	
B	13	40.2	1.3	-38.4	272	27.6	19.1	-35.6	298	-12.6	17.8	2.8	18.0	22.0	
	14	25.8	20.8	-35.5	300	36.4	42.4	-24.9	329	10.6	21.6	10.6	24.1	26.3	
M	15	34.2	38.0	-23.2	329	47.8	61.3	-5.5	355	13.5	23.3	17.7	29.3	32.2	Mean CIELAB difference (17 steps) $\Delta H^*_{CIELAB} = 15.4$ $\Delta E^*_{CIELAB} = 17.7$
	16	46.9	62.5	-3.4	357	48.0	60.4	18.5	17	1.1	-2.0	22.0	22.2	22.2	
R	17	46.5	61.0	28.4	25	47.1	59.6	44.4	37	0.6	-1.3	16.0	16.0	16.0	
R	18	46.5	61.0	28.4	25	48.0	58.0	45.8	38	1.5	-2.9	17.4	17.6	17.7	
J	19	83.0	-3.4	101.4	92	90.8	-17.0	112.2	99	7.8	-13.5	10.8	17.3	19.0	
G	20	50.3	-54.5	17.7	162	50.5	-60.9	32.9	152	0.3	-6.3	15.2	16.5	16.5	Mean CIELAB difference (5 steps)
B	21	40.2	1.3	-38.4	272	27.6	19.1	-35.6	298	-12.6	17.8	2.8	18.0	22.0	$\Delta H^*_{CIELAB} = 13.9$
R	22	46.5	61.0	28.4	25	47.1	59.6	44.4	37	0.6	-1.3	16.0	16.0	16.0	$\Delta E^*_{CIELAB} = 18.3$

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



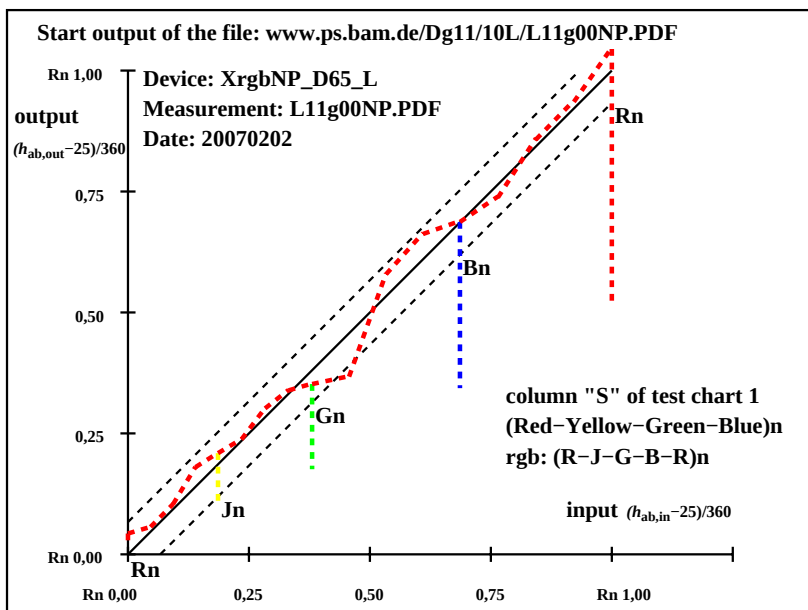
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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-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

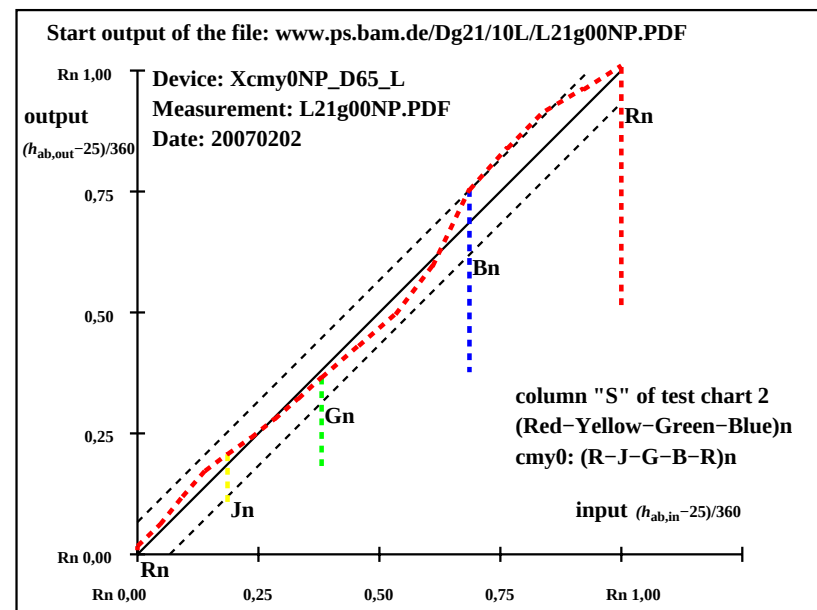


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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	$\Delta H^* \Delta E^*$	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
	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	ISO/IEC 15775:1999 Annex G
	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	and DIN 13866-1:2000 Annex G
	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	-20.5	245	34.2 -8.9 -15.0 239	-7.0 0.8 5.5 5.6 9.0	(Red-Yellow-Green-Blue)n
B	13	33.6	0.7	-19.1	272	27.3 9.4 -19.1 296	-6.2 8.7 0.0 8.7 10.7	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	$\Delta H^*_{CIELAB} = 7.5$
R	17	33.6	30.5	14.2	25	37.0 34.9 18.3 28	0.2 4.4 4.1 6.0 6.0	$\Delta E^*_{CIELAB} = 8.6$
R	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	Mean CIELAB difference (5 steps)
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	$\Delta H^*_{CIELAB} = 6.7$
R	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	$\Delta E^*_{CIELAB} = 8.6$

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/L18E0JNA.PS/TXT 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-ref	$\Delta H^* \Delta E^*$	Start output S1	
R	1	70.9	31.3	14.6	25	61.7 40.1 18.3	25 -9.1 8.8 3.7	9.5	13.2
	2	73.0	26.4	23.6	42	70.5 23.3 29.4	52 -2.4 -3.0 5.8	6.6	7.1
	3	77.4	18.8	30.7	58	78.0 9.4 42.3	77 0.6 -9.3 11.6	14.9	15.0
	4	82.4	10.2	38.7	75	86.6 -4.7 54.9	95 4.2 -14.9 16.2	22.1	22.5
J	5	89.3	-1.6	49.9	92	92.1 -16.1 74.7	102 2.9 -14.4 24.8	28.7	28.9
	6	86.5	-15.8	45.0	110	84.8 -23.4 64.8	110 -1.6 -7.5 19.8	21.2	21.3
	7	79.0	-24.2	32.3	127	72.7 -34.2 52.4	123 -6.2 -9.9 20.1	22.4	23.3
	8	73.0	-31.0	22.2	145	61.7 -46.1 41.5	138 -11.2 -15.0 19.3	24.6	27.0
G	9	71.1	-28.5	9.3	162	56.1 -53.3 38.6	144 -14.9 -24.7 29.3	38.4	41.2
	10	71.9	-21.1	-3.4	190	59.5 -43.4 12.4	164 -12.3 -22.2 15.9	27.5	30.1
C'	11	72.4	-16.0	-12.1	217	60.8 -15.7 -38.9	248 -11.5 0.3 -26.7	26.8	29.3
	12	73.0	-10.4	-21.8	245	62.9 -8.2 -28.6	254 -10.0 2.2 -6.7	7.1	12.4
B	13	66.9	0.9	-24.5	272	58.8 -0.2 -35.4	270 -8.0 -1.1 -10.8	11.0	13.7
	14	68.0	10.8	-18.4	300	54.8 23.8 -26.4	312 -13.1 13.0 -7.9	15.3	20.2
M'	15	69.1	20.5	-12.4	329	61.0 47.4 -11.6	346 -7.9 26.9 0.8	26.9	28.1
	16	70.8	35.4	-1.9	357	59.0 43.8 -3.7	355 -11.7 8.4 -1.7	8.6	14.7
R	17	70.9	31.3	14.6	25	63.0 38.0 17.6	25 -7.8 6.0 3.7	7.3	10.8
R	18	70.9	31.3	14.6	25	61.7 40.1 18.3	25 -9.1 8.8 3.7	9.5	13.2
J	19	89.3	-1.6	49.9	92	92.1 -16.1 74.7	102 2.9 -14.4 24.8	28.7	28.9
G	20	71.1	-28.5	9.3	162	56.1 -53.3 38.6	144 -14.9 -24.7 29.3	38.4	41.2
B	21	66.9	0.9	-24.5	272	58.8 -0.2 -35.4	270 -8.0 -1.1 -10.8	11.0	13.7
R	22	70.9	31.3	14.6	25	63.0 38.0 17.6	25 -7.8 6.7 3.0	7.3	10.8

(Red-Yellow-Green-Blue)w

rgb: (R-J-G-B-R)w

Mean CIELAB difference (17 steps)

$\Delta H^*_{CIELAB} = 18.3$

$\Delta E^*_{CIELAB} = 21.1$

Mean CIELAB difference (5 steps)

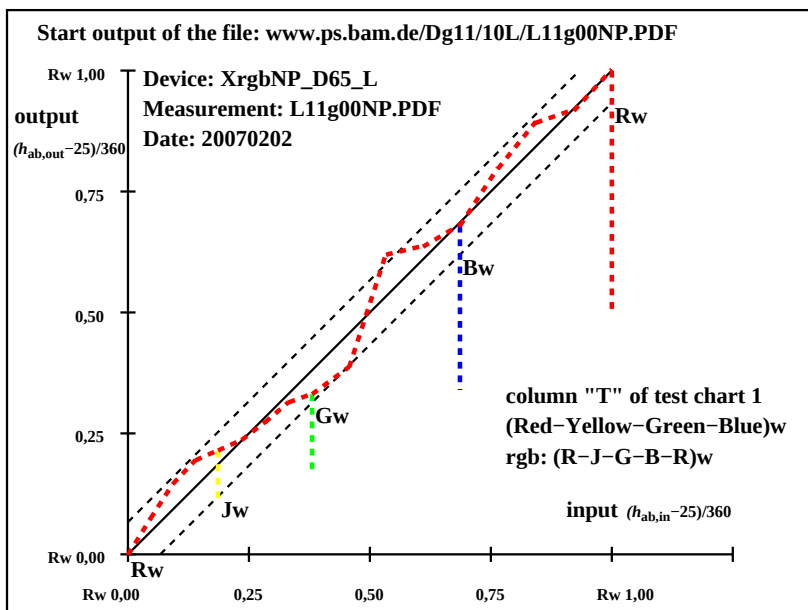
$\Delta H^*_{CIELAB} = 17.5$

$\Delta E^*_{CIELAB} = 19.5$

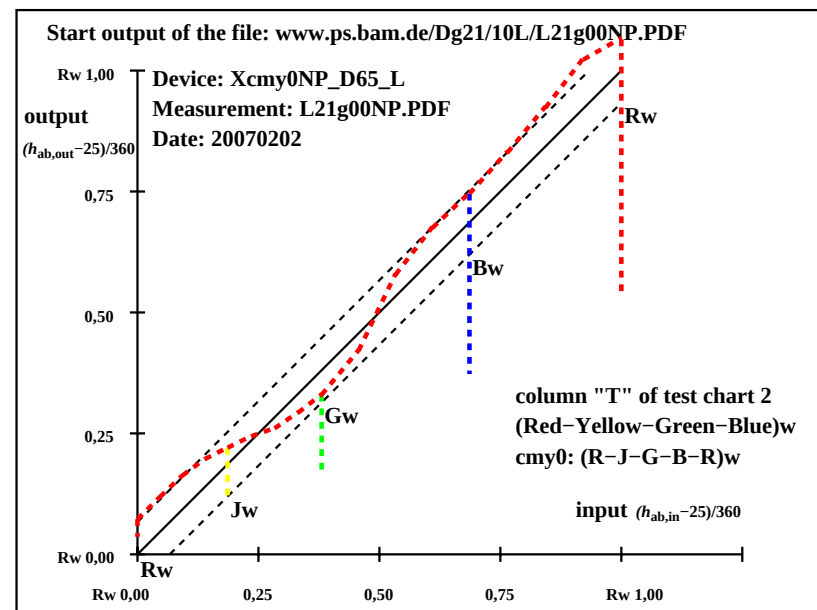
De180-3N.; Device: XrgbNP D65 L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a.ref	hab.ref	LAB*a,out	hab,out	LAB*a,out-ref	$\Delta H^* \Delta E^*$	Start output S1	
R	1	71.0	30.5	14.2	25	68.2 26.2 32.5	51 -2.7 -4.2 18.3	18.8 19.0	Specification according to ISO/IEC 15775:1999 Annex G and DIN 13866-1:2000 Annex G
	2	72.0	28.1	25.1	42	74.7 15.5 37.8	68 2.7 -12.5 12.7	17.9 18.1	
	3	76.8	19.8	32.3	58	80.4 4.7 42.7	84 3.6 -15.0 10.4	18.3 18.7	
	4	82.1	10.6	40.1	75	87.3 -5.0 49.1	96 5.2 -15.6 9.0	18.0 18.8	
J	5	89.2	-1.7	50.7	92	92.9 -13.7 54.2	104 3.7 -11.9 3.5	12.5 13.1	
	6	86.6	-15.5	44.1	110	85.5 -17.6 42.2	113 -1.1 -2.0 -1.8	2.8 3.1	
	7	79.7	-23.2	31.0	127	78.5 -18.0 33.0	119 -1.2 5.2 2.0	5.6 5.8	
	8	74.4	-29.1	20.9	145	72.6 -20.5 24.2	130 -1.7 8.6 3.3	9.3 9.5	
G	9	72.8	-27.2	8.9	162	68.6 -24.3 17.9	144 -4.1 2.9 9.0	9.5 10.4	
	10	74.0	-19.9	-3.3	190	70.6 -19.8 1.2	177 -3.2 0.1 4.6	4.6 5.7	
C	11	74.7	-15.1	-11.4	217	74.1 -13.4 -17.9	233 -0.5 1.7 -6.4	6.7 6.8	(Red-Yellow-Green-Blue)w cmY0: (R-J-G-B-R)w
	12	75.5	-9.7	-20.5	245	64.4 -0.6 -19.9	268 -11.1 9.1 0.6	9.2 14.4	
B	13	67.8	0.7	-19.1	272	55.4 10.5 -24.2	293 -12.3 9.8 -5.0	11.1 16.6	
	14	60.6	10.4	-17.7	300	63.0 17.3 -12.5	324 2.4 6.9 5.2	8.7 9.0	
M	15	64.8	19.0	-11.5	329	70.0 23.0 -1.0	357 5.1 4.0 10.5	11.3 12.4	Mean CIELAB difference (17 steps)
	16	71.1	31.3	-1.7	357	66.8 24.3 15.9	337 -4.3 -6.9 17.7	19.0 19.5	
R	17	71.0	30.5	14.2	25	66.7 28.2 31.5	48 -4.1 -2.2 17.3	17.4 17.9	$\Delta E^*_{CIELAB} = 12.9$
R	18	71.0	30.5	14.2	25	68.2 26.2 32.5	51 -2.7 -4.2 18.3	18.8 19.0	
J	19	89.2	-1.7	50.7	92	92.9 -13.7 54.2	104 3.7 -11.9 3.5	12.5 13.1	
G	20	72.8	-27.2	8.9	162	68.6 -24.3 17.9	144 -4.1 2.9 9.0	9.5 10.4	Mean CIELAB difference (5 steps)
B	21	67.8	0.7	-19.1	272	55.4 10.5 -24.2	293 -12.3 9.8 -5.0	11.1 16.6	$\Delta H^*_{CIELAB} = 10.4$
R	22	71.0	30.5	14.2	25	66.7 28.2 31.5	48 -4.1 -2.2 17.3	17.4 17.9	$\Delta E^*_{CIELAB} = 14.9$

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



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



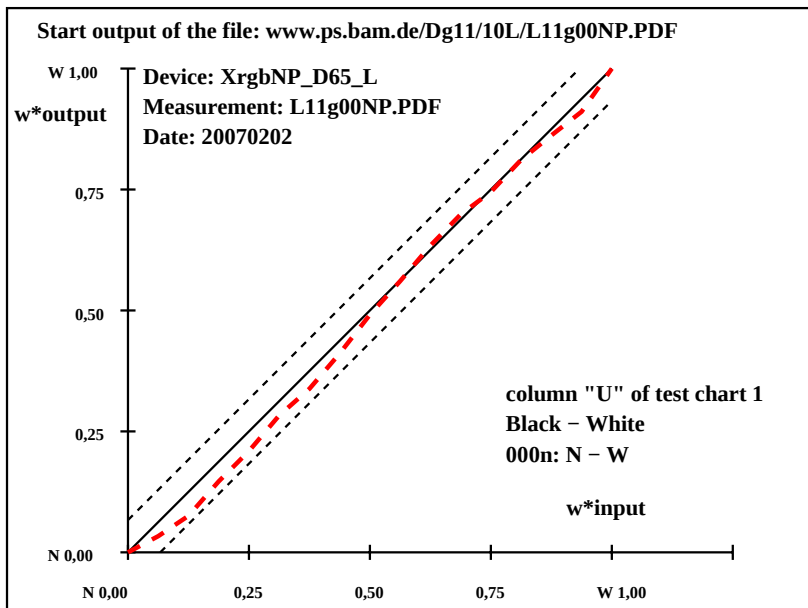
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

Output specification of the 2 test charts according to DIN 33872-1 17 step colour scale "T"; *rgb*- and *cmv0*-input data, Page 20/24

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	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	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	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	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	ΔE* _{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	
Z	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	
	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)
W	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	ΔH* _{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	ΔE* _{CIELAB} = 0.8
Mean colour reproduction index:														R* _{ab,m} = 94	

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

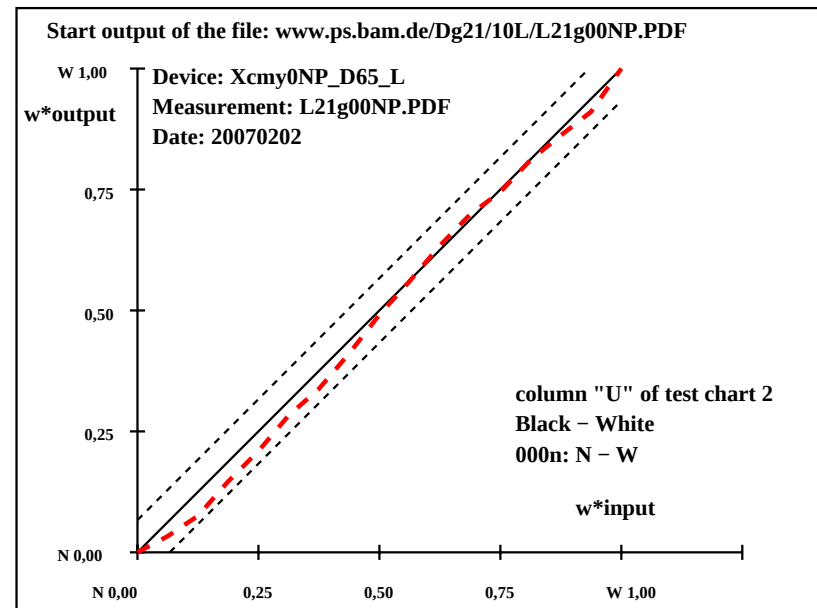


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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	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	68.0	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



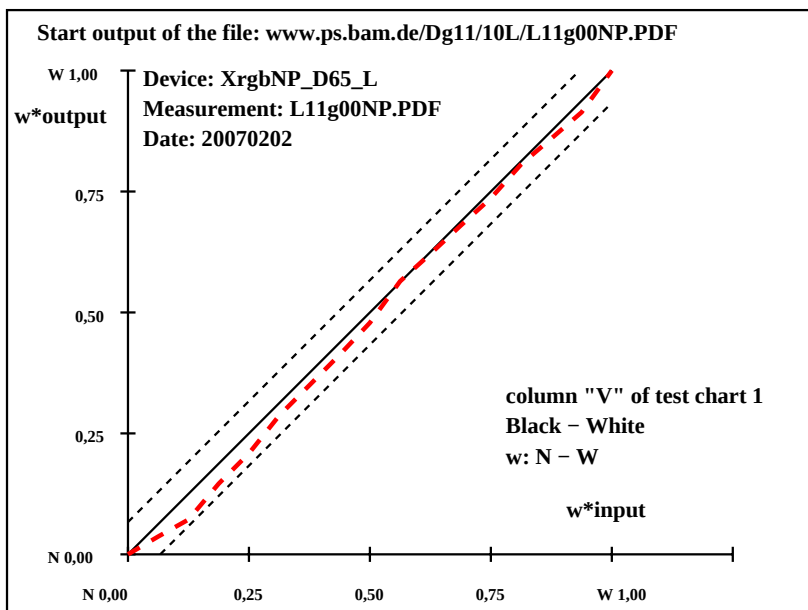
De181-7N, ; Device: Xcmy0NP_D65 L; Measurement: L21g00NP.PDF; Date: 20070202

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-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	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

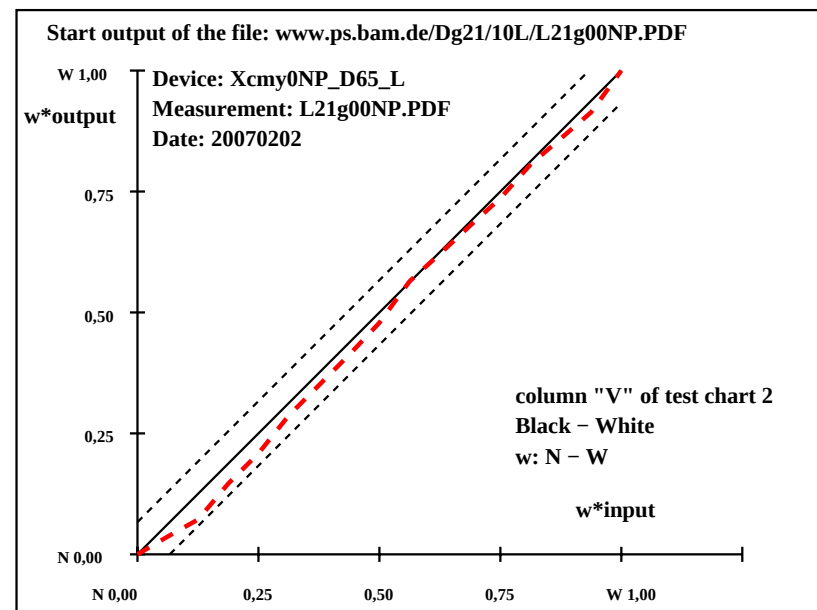


De180-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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	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	0.1	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	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	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	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	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																			

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



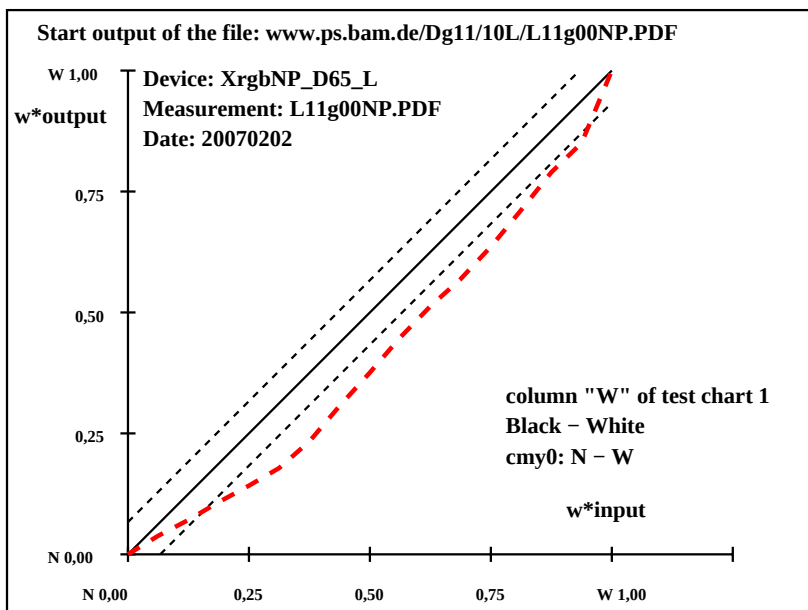
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

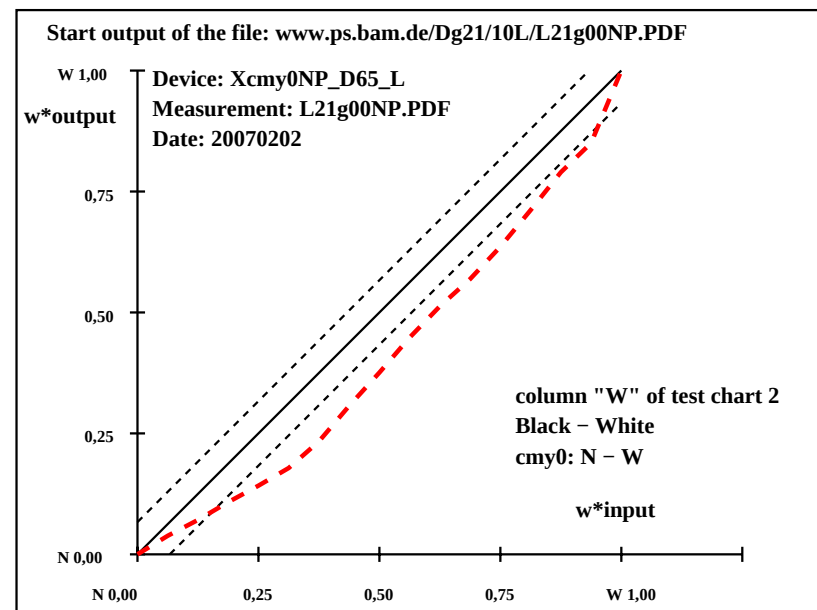


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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	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	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	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	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	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	Regularity
	7	52.6	0.0	0.0	0	42.6	-1.3	3.0	115	-9.9	-1.3	3.0	3.3	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	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	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	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	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	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	ΔH* _{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	ΔE* _{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	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	ΔH* _{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	ΔE* _{CIELAB} = 6.0
Mean colour reproduction index:										R* _{ab,m} = 66				

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



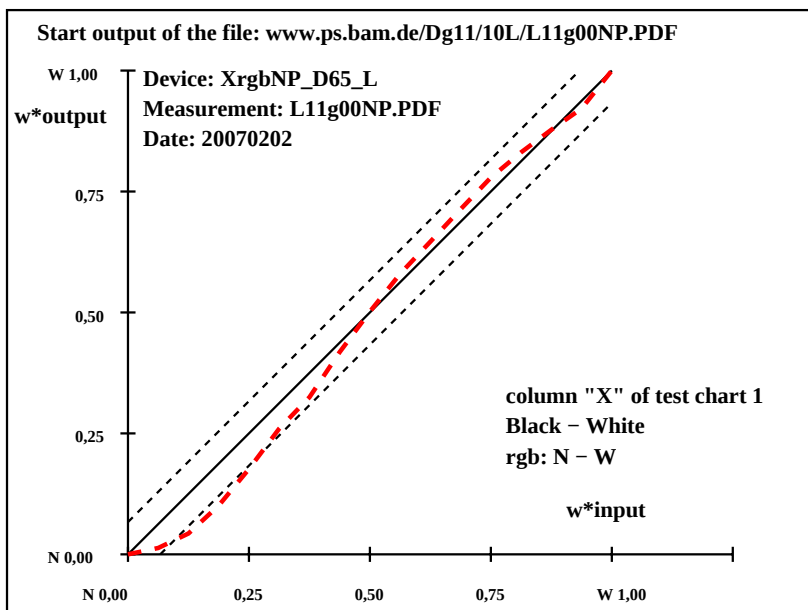
De181-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

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

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

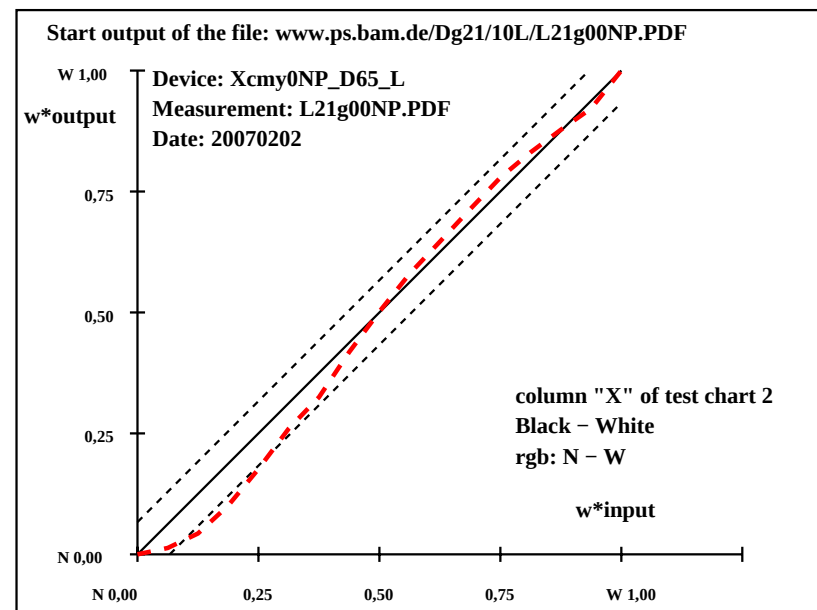


De180-7N.; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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

[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