

out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1			
7	44.5	36	0.0	0.0	0.0	0.0	Specification according to	
0	36.9	32	0.7	1.1	-4.7	4.9	5.0	ISO/IEC 15775:1999 Annex G
5	29.9	29	2.1	0.4	-9.0	9.1	9.3	and DIN 33866-1:2000 Annex G
2	26.2	29	3.3	-1.0	-9.9	10.0	10.6	relative CIELAB data used for "out"

5	20.0	27	4.3	-3.1	-10.5	11.1	11.9	Regularity
7	16.8	26	4.3	-3.1	-10.9	11.5	12.3	$g^* = 41.7$

4	12.6	26	5.4	-4.8	-9.6	10.9	12.2	Lightness gamut relative to offset
2	10.2	26	5.8	-5.2	-9.2	10.7	12.2	$f^* = 73.3$

1	5.2	22	6.4	-5.7	-8.7	10.5	12.3	Orange red – White
9	3.2	20	6.5	-6.1	-7.9	10.1	12.0	rgb: O – W

0 1.5 90 6.5 -7.4 -4.0 8.6 10.7 **Mean CIELAB difference (17 steps)**

0 0.1 90 3.4 -3.6 -2.7 4.6 5.8 $\Delta H^*_{\text{CIE/LAB}} = 8.6$

0	0.1	135	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{\text{CIE LAB}} =$	9.6
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7	44.5	36	0.0	0.0	0.0	0.0	0.0
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2	21.4	26	43	-2.2	-11.9	12.2	12.9
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4	12.6	26	5.4	-4.8	-9.6	10.9	12.2	Mean CIELAB difference (5 steps)
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9	32	30	6.5	-6.1	-7.9	10.1	12.0	$\Delta H^*_{\text{CHL}} =$	6.6
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0.1	0.1	135	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} =$	7.4
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Mean colour reproduction index: $R^*_{ab,m} = 58$

IE470-3N.: Device: FrgrNP D65 L: Measurement: L1lg00NA.PDF: Date: 20070129

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^* \Delta E^*$	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	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"

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	$g^* = 11.8$

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	$l^* = 63.4$

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

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)
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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	$\Delta H^*_{\text{CIE LAB}} =$	6.6
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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	0.0	$\Delta E^*_{\text{CIE LAB}} =$	8.9
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[illegible]

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
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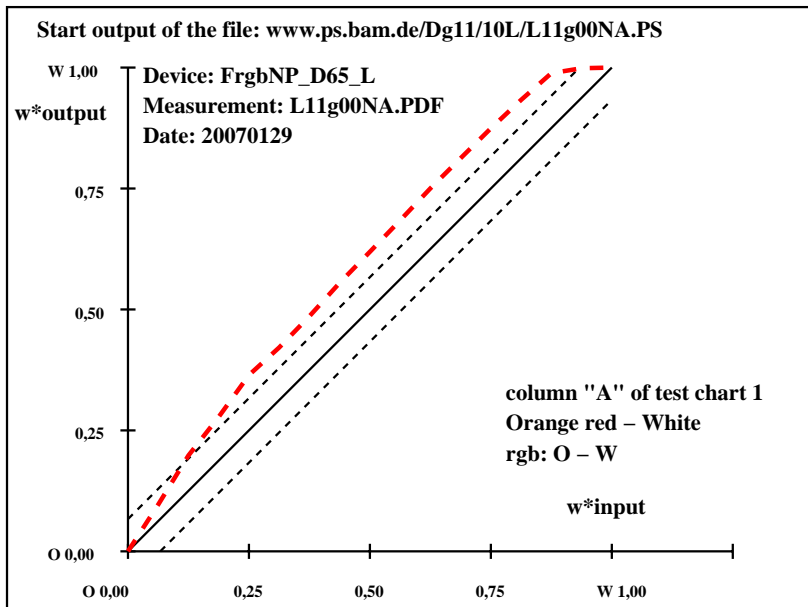
20	70.9	30.0	20.2	34	60.7	41.1	18.9	25	-10.1	11.1	-1.2	11.2	15.1	Mean CIELAB difference (5 steps)
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20	10.7	50.0	20.2	34	60.7	41.1	10.9	25	10.1	11.1	1.2	11.2	15.1	MEAN CIELAB unit
21	83.1	15.0	10.1	34	80.1	15.9	8.3	28	-2.9	0.9	-1.7	2.0	3.6	$\Delta H^*_{CIELAB} = 5.3$

W 22	85.4	0.0	0.0	0	85.4	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{\text{CIELAB}} =$	7.1
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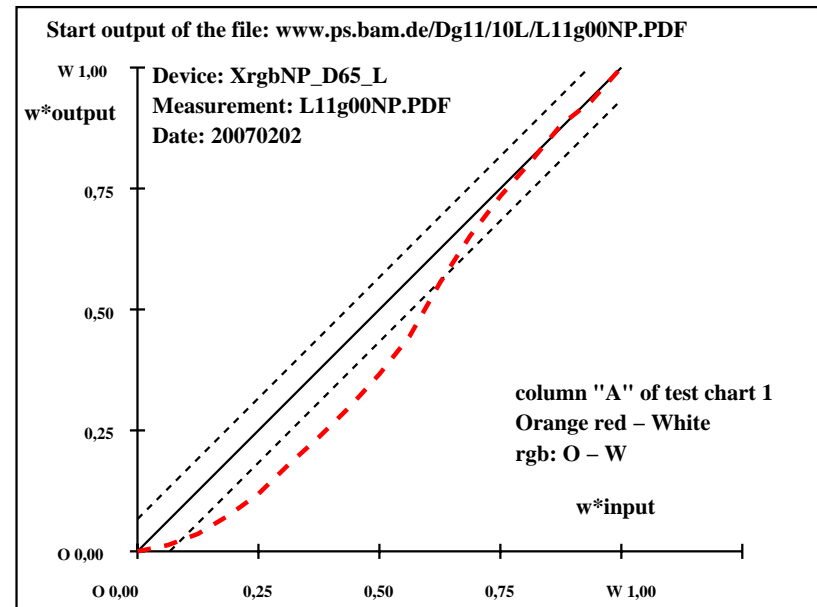
Mean colour reproduction index: $R^*_{ab,m} = 61$

IE471-3N.: Device: XrgbNP D65 L: Measurement: L1|g00NP.PDF: Date: 20070202



IE470-7N, ; Device: FrgbNP_D65 L; Measurement: L1lg00NA.PDF; Date: 20070129

TUB-test chart IE47 for output specification
17 step colour scale "A"; *rgb* input data; 2 devices, Page 1/24



IE471-7N, ; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

input: *rgb (->olv*) setrgbcolor*
output: no change compared to input

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
Y	1	84.3	-4.1	110.2	92	84.3	-4.1	110.2	92
	2	84.8	-3.8	103.3	92	85.7	-5.9	98.1	93
	3	85.3	-3.6	96.4	92	86.8	-7.5	85.9	95
	4	85.8	-3.3	89.5	92	87.5	-8.3	77.2	96
	5	86.3	-3.0	82.6	92	88.2	-8.6	67.4	97
	6	86.9	-2.8	75.8	92	88.5	-8.6	61.7	98
	7	87.4	-2.5	68.9	92	89.0	-8.5	54.3	99
	8	87.9	-2.3	62.0	92	89.5	-8.1	46.9	100
	9	88.4	-2.0	55.1	92	90.1	-7.8	40.1	101
	10	88.9	-1.7	48.2	92	90.5	-6.9	33.3	102
	11	89.5	-1.5	41.3	92	91.0	-6.0	25.6	103
	12	90.0	-1.2	34.4	92	91.5	-4.7	18.6	104
	13	90.5	-1.0	27.6	92	91.9	-3.2	12.0	105
	14	91.0	-0.7	20.7	92	92.2	-1.8	6.5	106
	15	91.5	-0.4	13.8	92	92.5	-0.6	2.0	109
	16	92.1	-0.2	6.9	92	92.6	0.0	0.1	90
W	17	92.6	0.0	0.0	0	92.6	0.0	0.0	0
Y	18	84.3	-4.1	110.2	92	84.3	-4.1	110.2	92
	19	86.3	-3.0	82.6	92	88.2	-8.6	67.4	97
	20	88.4	-2.0	55.1	92	90.1	-7.8	40.1	101
	21	90.5	-1.0	27.6	92	91.9	-3.2	12.0	105
W	22	92.6	0.0	0.0	0	92.6	0.0	0.0	0

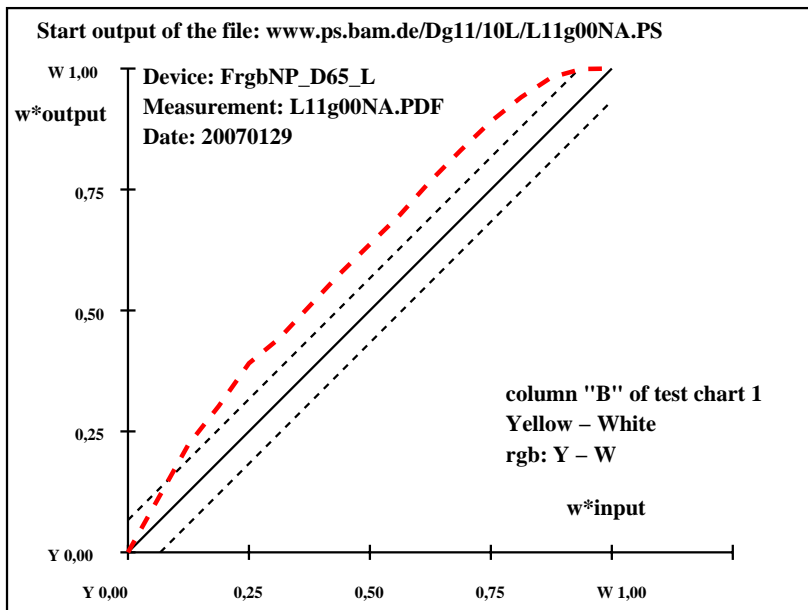
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.58 - 84.27$
Regularity
 $g^* = 18.5$
Lightness gamut relative to offset
 $f^* = 10.7$
Yellow - White
rgb: Y - W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 12.1$
 $\Delta E^{*CIELAB} = 12.2$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 9.6$
 $\Delta E^{*CIELAB} = 9.7$
Mean colour reproduction index: $R^*_{ab,m} = 47$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

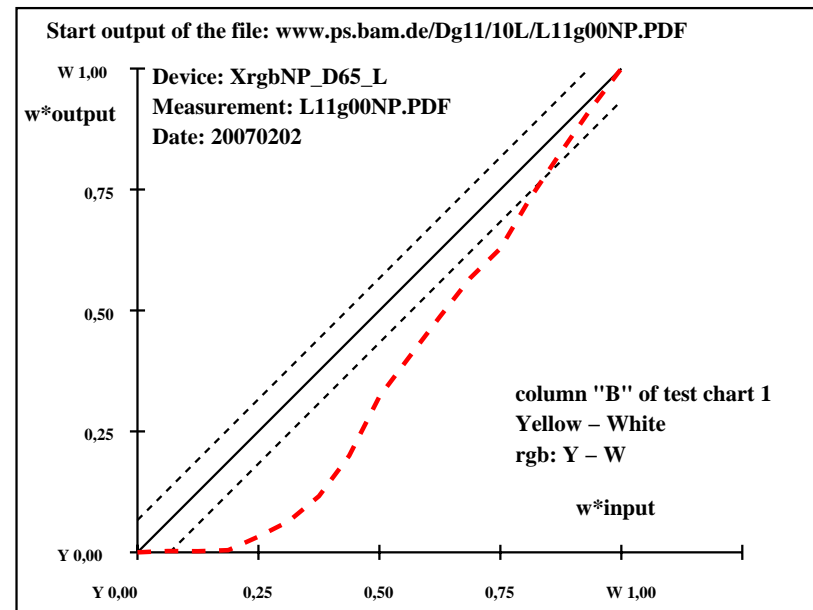
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
Y	1	90.9	-16.9	112.4	99	90.9	-16.9	112.4	99
	2	91.2	-15.8	105.4	99	90.8	-16.9	112.7	99
	3	91.5	-14.8	98.4	99	90.8	-16.8	112.6	99
	4	91.7	-13.7	91.3	99	90.9	-16.8	111.9	99
	5	92.0	-12.7	84.3	99	91.0	-17.0	108.7	99
	6	92.3	-11.6	77.3	99	91.1	-17.1	105.1	99
	7	92.6	-10.6	70.3	99	91.1	-17.2	99.2	100
	8	92.9	-9.5	63.2	99	91.5	-16.9	89.7	101
	9	93.2	-8.5	56.2	99	91.9	-16.0	75.8	102
	10	93.4	-7.4	49.2	99	92.3	-15.1	66.4	103
	11	93.7	-6.3	42.2	99	92.6	-13.9	57.1	104
	12	94.0	-5.3	35.1	99	93.0	-12.7	48.1	105
	13	94.3	-4.2	28.1	99	93.3	-11.5	41.2	106
	14	94.6	-3.2	21.1	99	93.9	-8.9	29.4	107
	15	94.9	-2.1	14.1	99	94.4	-6.2	19.0	108
	16	95.1	-1.1	7.0	99	95.0	-3.2	9.0	110
W	17	95.4	0.0	0.0	180	95.4	0.0	0.0	180
Y	18	90.9	-16.9	112.4	99	90.9	-16.9	112.4	99
	19	92.0	-12.7	84.3	99	91.0	-17.0	108.7	99
	20	93.2	-8.5	56.2	99	91.9	-16.0	75.8	102
	21	94.3	-4.2	28.1	99	93.3	-11.5	41.2	106
W	22	95.4	0.0	0.0	180	95.4	0.0	0.0	180

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.43 - 90.9$
Regularity
 $g^* = 3.8$
Lightness gamut relative to offset
 $f^* = 5.9$
Yellow - White
rgb: Y - W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 15.2$
 $\Delta E^{*CIELAB} = 15.3$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 12.2$
 $\Delta E^{*CIELAB} = 12.2$
Mean colour reproduction index: $R^*_{ab,m} = 33$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



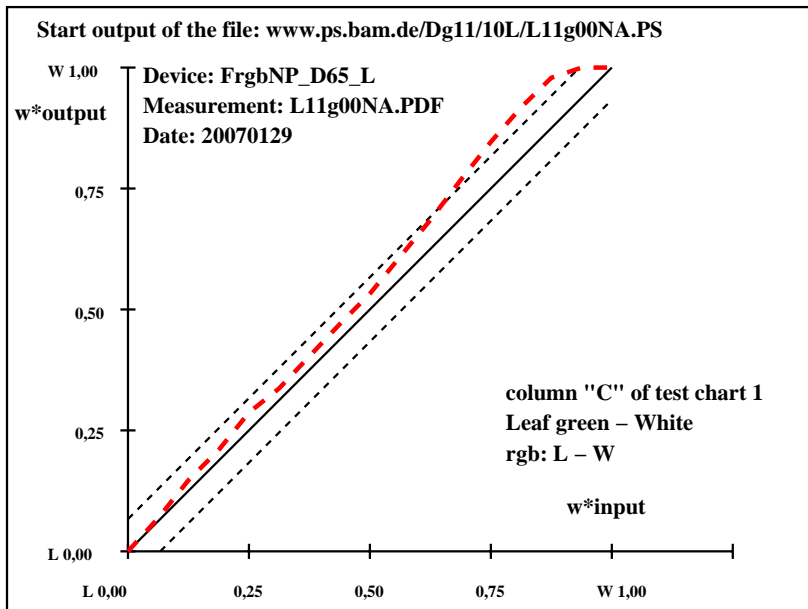
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1							
L	1	44.0	-61.7	48.5	142	44.0	-61.7	48.5	142	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	47.1	-57.8	45.5	142	48.8	-60.2	44.6	144	1.8	-2.3	-0.8	2.5	3.1	ISO/IEC 15775:1999 Annex G	
	3	50.1	-54.0	42.4	142	53.5	-57.4	39.7	145	3.3	-3.3	-2.6	4.4	5.5	and DIN 33866-1:2000 Annex G	
	4	53.2	-50.1	39.4	142	57.6	-54.0	37.0	146	4.4	-3.8	-2.3	4.6	6.4	relative CIELAB data used for "out"	
	5	56.2	-46.3	36.4	142	61.8	-49.6	33.0	146	5.6	-3.3	-3.3	4.8	7.4	$\Delta L^* = 92.64 - 44.04$	
	6	59.2	-42.4	33.3	142	65.0	-46.0	31.7	145	5.8	-3.5	-1.5	4.0	7.0	Regularity	
	7	62.3	-38.5	30.3	142	68.1	-42.2	27.8	147	5.8	-3.6	-2.4	4.5	7.3	$g^* = 27.4$	
	8	65.3	-34.7	27.3	142	71.1	-38.3	24.0	148	5.8	-3.5	-3.2	4.9	7.6		
	9	68.3	-30.8	24.3	142	74.1	-34.4	20.7	149	5.7	-3.5	-3.4	5.1	7.6	Lightness gamut relative to offset	
	10	71.4	-26.9	21.2	142	77.6	-29.4	16.9	150	6.2	-2.4	-4.2	5.0	7.9	$f^* = 62.8$	
	11	74.4	-23.1	18.2	142	81.2	-24.1	13.7	150	6.8	-0.9	-4.4	4.6	8.2		
	12	77.5	-19.2	15.2	142	84.7	-18.2	10.0	151	7.2	1.0	-5.1	5.3	8.9	Leaf green – White	
	13	80.5	-15.4	12.1	142	87.8	-12.1	6.8	151	7.3	3.3	-5.2	6.2	9.6	rgb: L – W	
	14	83.5	-11.5	9.1	142	90.4	-6.3	4.1	147	6.8	5.2	-4.9	7.2	9.9		
	15	86.6	-7.6	6.1	142	92.3	-1.3	1.6	131	5.7	6.3	-4.4	7.7	9.6	Mean CIELAB difference (17 steps)	
	16	89.6	-3.8	3.0	142	92.6	0.0	0.0	0	3.0	3.9	-2.9	4.9	5.8	$\Delta H^{*}_{CIELAB} = 4.4$	
W	17	92.6	0.0	0.0	0	92.6	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 6.6$	
L	18	44.0	-61.7	48.5	142	44.0	-61.7	48.5	142	0.0	0.0	0.0	0.0	0.0		
	19	56.2	-46.3	36.4	142	61.8	-49.6	33.0	146	5.6	-3.3	-3.3	4.8	7.4		
	20	68.3	-30.8	24.3	142	74.1	-34.4	20.7	149	5.7	-3.5	-3.4	5.1	7.6	Mean CIELAB difference (5 steps)	
	21	80.5	-15.4	12.1	142	87.8	-12.1	6.8	151	7.3	3.3	-5.2	6.2	9.6	$\Delta H^{*}_{CIELAB} = 3.2$	
W	22	92.6	0.0	0.0	0	92.6	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 4.9$	
Mean colour reproduction index:										$R^{*}_{ab,m} = 71$						

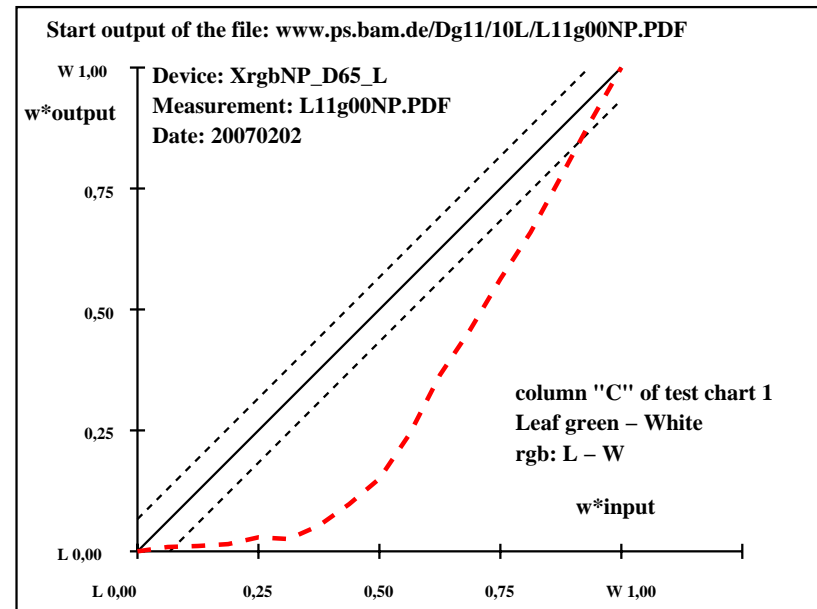
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

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	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	4.1	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	9.0	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	13.4	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	17.7	$\Delta L^* = 95.52 - 45.71$	
	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	22.6	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	26.5	$g^* = 0.6$	
	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	28.8		
	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	28.4	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	24.3	$f^* = 64.4$	
W	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	18.9		
	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	17.1	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	15.5	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	15.4		
	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	9.9	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	4.1	$\Delta H^*_{CIELAB} = 15.0$	
	17	95.5	0.0	0.1	90	95.5	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 17.9$	
	L	18	45.7	-67.4	36.2	152	45.7	-67.4	36.2	152	0.0	0.0	0.0	0.0	0.0	0.0	
		19	58.2	-50.5	27.2	152	45.8	-65.0	37.3	150	-12.2	-14.4	10.1	17.7	21.5	17.7	
		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	28.4	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	15.5	$\Delta H^*_{CIELAB} = 12.3$	
W	22	95.5	0.0	0.1	90	95.5	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 14.6$	
Mean colour reproduction index:										$R^*_{ab,m} = 21$							

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; 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^*	
C	1	53.7	-28.9	-31.6	228	53.7	-28.9	-31.6	228
	2	56.2	-27.1	-29.6	228	57.8	-29.4	-29.9	225
	3	58.6	-25.3	-27.6	228	61.5	-29.2	-28.0	224
	4	61.0	-23.5	-25.7	228	64.8	-28.4	-26.0	222
	5	63.5	-21.7	-23.7	228	67.9	-27.1	-23.8	221
	6	65.9	-19.8	-21.7	228	70.7	-25.7	-21.9	220
	7	68.3	-18.0	-19.7	228	73.0	-24.0	-20.1	220
	8	70.7	-16.2	-17.7	228	75.5	-22.4	-18.0	219
	9	73.2	-14.4	-15.8	228	77.9	-20.5	-15.9	218
	10	75.6	-12.6	-13.8	228	80.6	-18.0	-13.5	217
	11	78.0	-10.8	-11.8	228	83.4	-15.2	-10.7	215
	12	80.5	-9.0	-9.8	228	86.1	-12.0	-7.9	213
	13	82.9	-7.2	-7.8	228	88.7	-8.0	-4.9	212
	14	85.3	-5.3	-5.8	228	90.8	-4.0	-2.3	210
	15	87.8	-3.5	-3.9	228	92.5	-0.6	-0.1	196
	16	90.2	-1.7	-1.9	228	92.5	0.0	0.0	0
W	17	92.6	0.0	0.0	0	92.6	0.0	0.0	0
C	18	53.7	-28.9	-31.6	228	53.7	-28.9	-31.6	228
	19	63.5	-21.7	-23.7	228	67.9	-27.1	-23.8	221
	20	73.2	-14.4	-15.8	228	77.9	-20.5	-15.9	218
	21	82.9	-7.2	-7.8	228	88.7	-8.0	-4.9	212
W	22	92.6	0.0	0.0	0	92.6	0.0	0.0	0

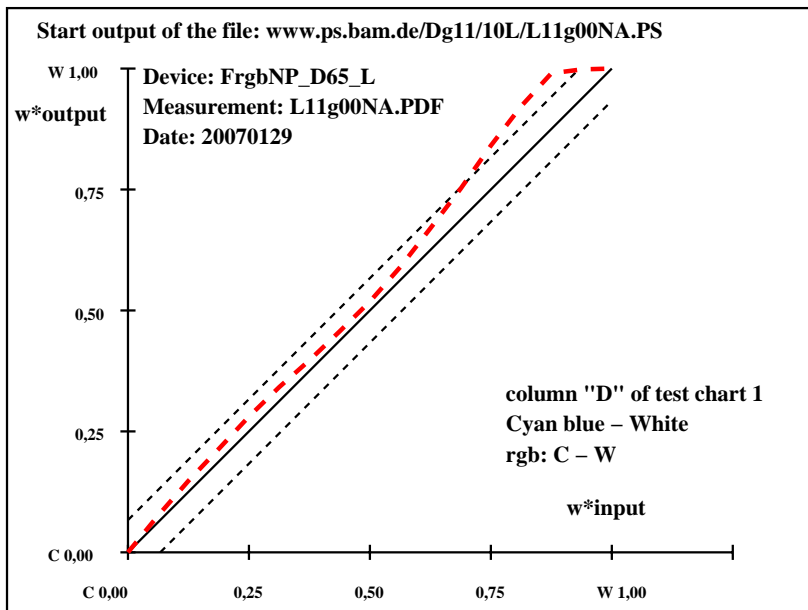
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.62 - 53.73$
Regularity
 $g^* = 27.5$
Lightness gamut relative to offset
 $f^* = 50.2$
Cyan blue – White
rgb: C – W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 4.0$
 $\Delta E^*_{CIELAB} = 5.7$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 2.9$
 $\Delta E^*_{CIELAB} = 4.3$
Mean colour reproduction index: $R^*_{ab,m} = 75$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

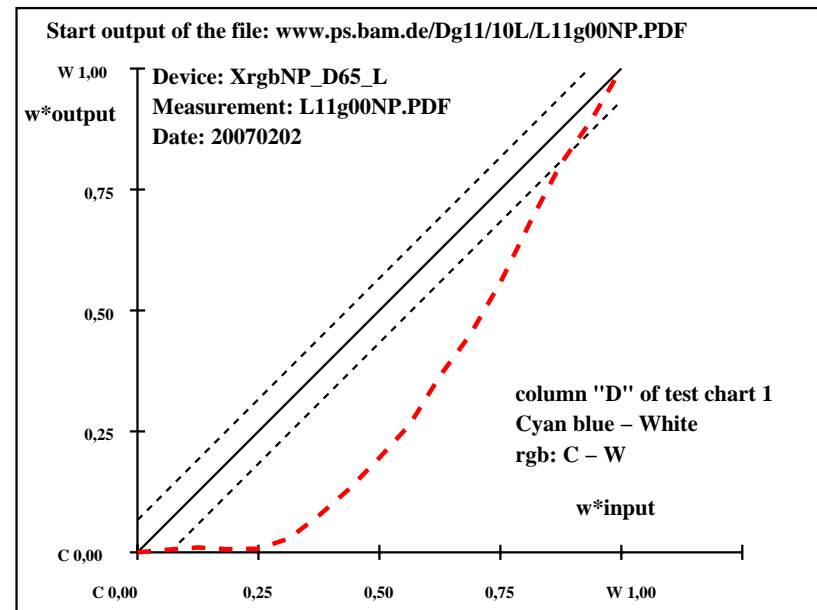
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
C	1	51.2	-15.7	-52.5	253	51.2	-15.7	-52.5	253
	2	53.9	-14.7	-49.2	253	51.0	-15.5	-52.8	254
	3	56.7	-13.7	-45.9	253	50.8	-15.2	-52.8	254
	4	59.5	-12.7	-42.7	253	51.1	-15.3	-52.7	254
	5	62.2	-11.8	-39.4	253	51.7	-15.6	-52.4	253
	6	65.0	-10.8	-36.1	253	52.7	-16.2	-51.3	252
	7	67.7	-9.8	-32.8	253	55.1	-16.2	-48.9	252
	8	70.5	-8.8	-29.5	253	57.0	-16.3	-45.4	250
	9	73.3	-7.8	-26.3	253	58.6	-15.8	-40.9	249
	10	76.0	-6.8	-23.0	253	60.9	-15.4	-36.7	247
	11	78.8	-5.8	-19.7	253	64.9	-13.8	-30.9	246
	12	81.6	-4.8	-16.4	253	68.6	-12.1	-26.3	245
	13	84.3	-3.9	-13.1	253	74.3	-10.3	-21.2	244
	14	87.1	-2.9	-9.8	253	81.0	-8.3	-15.4	242
	15	89.9	-1.9	-6.6	253	87.0	-5.8	-9.9	239
	16	92.6	-0.9	-3.3	254	91.1	-3.2	-5.5	239
W	17	95.4	0.0	0.0	270	95.4	0.0	0.0	270
C	18	51.2	-15.7	-52.5	253	51.2	-15.7	-52.5	253
	19	62.2	-11.8	-39.4	253	51.7	-15.6	-52.4	253
	20	73.3	-7.8	-26.3	253	58.6	-15.8	-40.9	249
	21	84.3	-3.9	-13.1	253	74.3	-10.3	-21.2	244
W	22	95.4	0.0	0.0	270	95.4	0.0	0.0	270

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.39 - 51.16$
Regularity
 $g^* = 2.5$
Lightness gamut relative to offset
 $f^* = 57.1$
Cyan blue – White
rgb: C – W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 10.1$
 $\Delta E^*_{CIELAB} = 13.2$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 8.1$
 $\Delta E^*_{CIELAB} = 10.8$
Mean colour reproduction index: $R^*_{ab,m} = 42$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; 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^*	
V	1	14.6	51.7	-60.3	311	14.6	51.7	-60.3	311
	2	19.5	48.5	-56.5	311	20.0	46.6	-59.4	308
	3	24.3	45.2	-52.8	311	26.5	39.6	-56.5	305
	4	29.2	42.0	-49.0	311	32.8	33.1	-52.8	302
	5	34.1	38.8	-45.2	311	38.8	28.0	-49.0	300
	6	39.0	35.5	-41.4	311	44.5	23.9	-45.1	298
	7	43.9	32.3	-37.7	311	49.3	20.5	-41.4	296
	8	48.8	29.1	-33.9	311	55.0	16.2	-37.0	294
	9	53.6	25.9	-30.1	311	60.0	13.0	-33.0	291
	10	58.5	22.6	-26.3	311	65.4	10.5	-28.5	290
	11	63.4	19.4	-22.6	311	70.9	8.1	-23.5	289
	12	68.3	16.2	-18.8	311	76.3	6.2	-18.3	289
	13	73.2	12.9	-15.0	311	82.0	4.4	-12.4	289
	14	78.1	9.7	-11.2	311	87.3	2.3	-6.5	289
	15	82.9	6.5	-7.4	311	91.9	-0.1	-0.5	252
	16	87.8	3.2	-3.7	311	92.7	0.0	0.0	0
W	17	92.7	0.0	0.0	0	92.7	0.0	0.0	0
V	18	14.6	51.7	-60.3	311	14.6	51.7	-60.3	311
	19	34.1	38.8	-45.2	311	38.8	28.0	-49.0	300
	20	53.6	25.9	-30.1	311	60.0	13.0	-33.0	291
	21	73.2	12.9	-15.0	311	82.0	4.4	-12.4	289
W	22	92.7	0.0	0.0	0	92.7	0.0	0.0	0

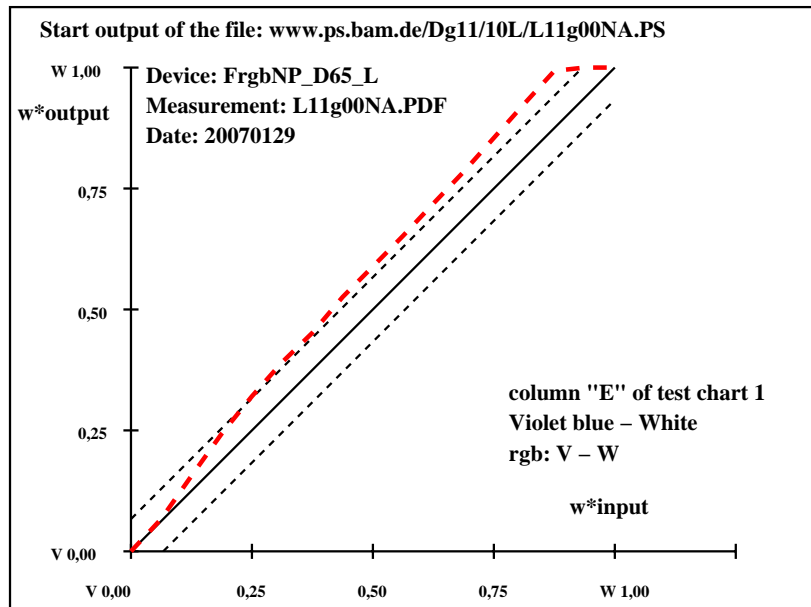
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.7 - 14.57$
Regularity
 $g^* = 44.2$
Lightness gamut relative to offset
 $f^* = 100.9$
Violet blue – White
rgb: V – W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 8.7$
 $\Delta E^{*CIELAB} = 10.3$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 6.7$
 $\Delta E^{*CIELAB} = 7.9$
Mean colour reproduction index: $R^*_{ab,m} = 55$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

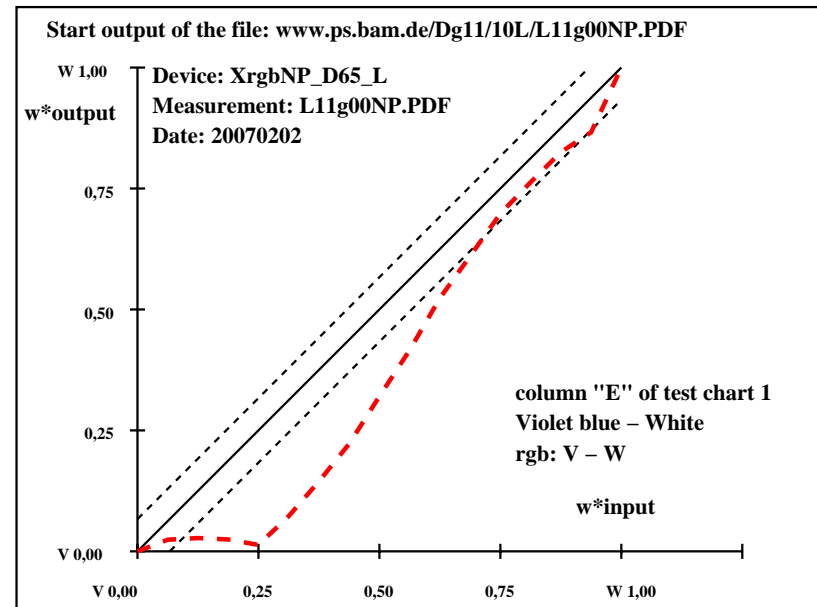
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
V	1	38.2	2.0	-49.0	272	38.2	2.0	-49.0	272
	2	41.8	1.9	-45.9	272	37.0	3.3	-48.9	274
	3	45.4	1.7	-42.8	272	36.9	3.6	-48.9	274
	4	49.0	1.6	-39.8	272	37.2	3.5	-48.7	274
	5	52.5	1.5	-36.7	272	39.0	2.3	-48.4	273
	6	56.1	1.3	-33.6	272	42.9	1.1	-46.3	271
	7	59.7	1.2	-30.5	272	47.4	1.0	-43.1	271
	8	63.3	1.1	-27.4	272	52.3	0.0	-40.0	270
	9	66.9	1.0	-24.3	272	58.2	0.0	-35.4	270
	10	70.5	0.8	-21.3	272	63.9	-0.1	-30.9	270
	11	74.0	0.7	-18.2	272	69.9	0.0	-25.3	270
	12	77.6	0.6	-15.1	272	74.9	-1.0	-21.1	267
	13	81.2	0.4	-12.0	272	79.9	-0.1	-16.6	269
	14	84.8	0.3	-8.9	272	83.2	0.3	-12.9	271
	15	88.4	0.2	-5.9	272	86.5	1.4	-9.4	278
	16	92.0	0.0	-2.8	271	88.4	2.0	-6.9	286
W	17	95.5	0.0	0.2	117	95.5	0.0	0.2	117
V	18	38.2	2.0	-49.0	272	38.2	2.0	-49.0	272
	19	52.5	1.5	-36.7	272	39.0	2.3	-48.4	273
	20	66.9	1.0	-24.3	272	58.2	0.0	-35.4	270
	21	81.2	0.4	-12.0	272	79.9	-0.1	-16.6	269
W	22	95.5	0.0	0.2	117	95.5	0.0	0.2	117

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.54 - 38.21$
Regularity
 $g^* = 3.5$
Lightness gamut relative to offset
 $f^* = 74.1$
Violet blue – White
rgb: V – W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 7.0$
 $\Delta E^{*CIELAB} = 9.5$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 5.5$
 $\Delta E^{*CIELAB} = 7.4$
Mean colour reproduction index: $R^*_{ab,m} = 58$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



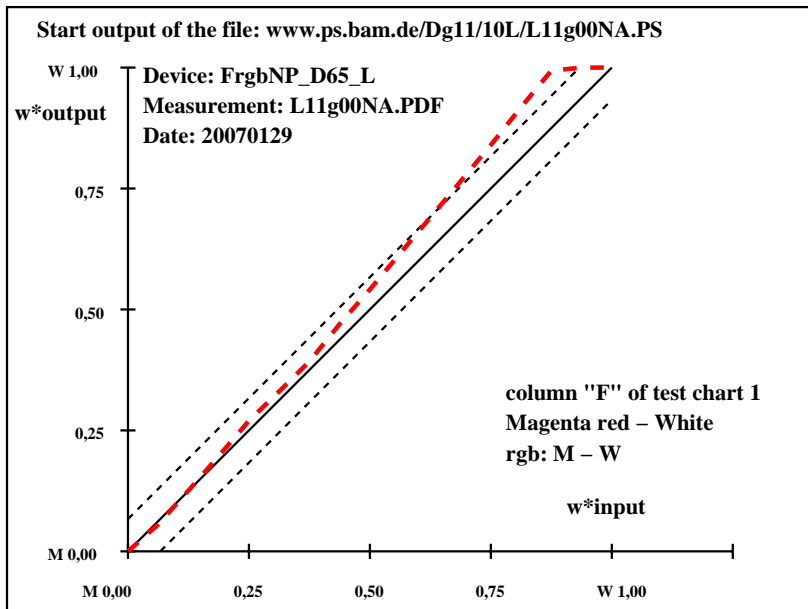
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
M	1	38.7	79.2	-34.7	336	38.7	79.2	-34.7	336
	2	42.0	74.3	-32.5	336	43.2	75.8	-35.0	335
	3	45.4	69.3	-30.4	336	48.1	70.5	-34.0	334
	4	48.8	64.4	-28.2	336	52.5	64.8	-32.4	333
	5	52.2	59.4	-26.0	336	56.7	58.8	-30.6	332
	6	55.6	54.5	-23.8	336	60.1	53.8	-28.9	332
	7	58.9	49.5	-21.7	336	63.4	48.7	-26.8	331
	8	62.3	44.6	-19.5	336	67.5	42.5	-23.9	331
	9	65.7	39.6	-17.3	336	71.2	36.7	-21.2	330
	10	69.1	34.6	-15.1	336	75.0	30.7	-18.1	329
	11	72.4	29.7	-13.0	336	78.6	24.7	-14.9	329
	12	75.8	24.8	-10.8	336	82.1	18.7	-11.5	328
	13	79.2	19.8	-8.6	336	85.6	12.7	-8.0	327
	14	82.6	14.8	-6.4	336	89.2	6.5	-4.1	327
	15	85.9	9.9	-4.3	336	92.4	0.5	-0.2	329
	16	89.3	4.9	-2.1	336	92.7	0.0	0.0	0
	17	92.7	0.0	0.0	0	92.7	0.0	0.0	0
M	18	38.7	79.2	-34.7	336	38.7	79.2	-34.7	336
	19	52.2	59.4	-26.0	336	56.7	58.8	-30.6	332
	20	65.7	39.6	-17.3	336	71.2	36.7	-21.2	330
	21	79.2	19.8	-8.6	336	85.6	12.7	-8.0	327
	22	92.7	0.0	0.0	0	92.7	0.0	0.0	0
Mean colour reproduction index: $R^*_{ab,m} = 72$									

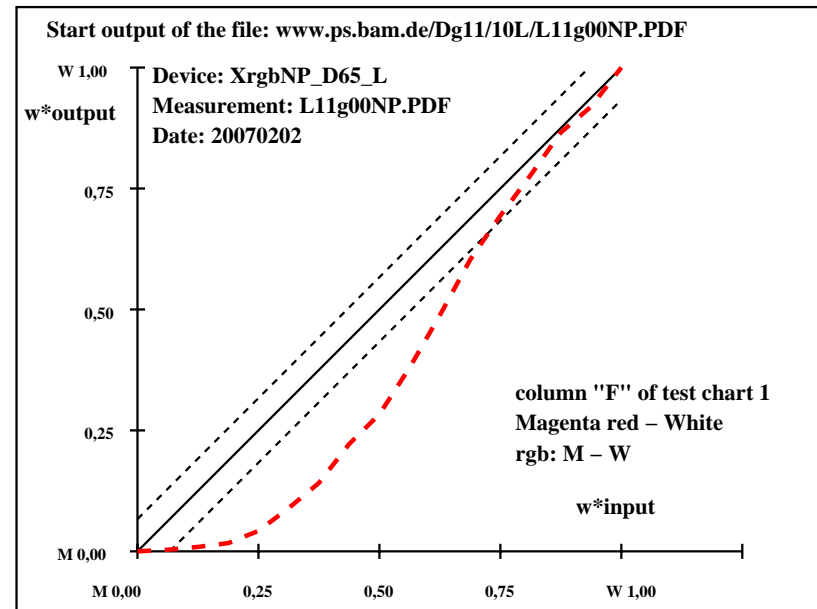
IE470-3N; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
M	1	46.1	71.3	-6.3	355	46.1	71.3	-6.3	355
	2	49.2	66.8	-5.9	355	46.3	71.4	-6.5	355
	3	52.3	62.4	-5.5	355	46.7	70.9	-6.7	355
	4	55.4	57.9	-5.1	355	47.0	70.4	-7.1	354
	5	58.5	53.5	-4.7	355	47.4	68.7	-8.6	353
	6	61.5	49.0	-4.3	355	48.8	65.4	-10.6	351
	7	64.6	44.6	-3.9	355	51.1	61.0	-10.8	350
	8	67.7	40.1	-3.5	355	55.2	55.1	-11.6	348
	9	70.8	35.7	-3.1	355	58.8	50.7	-11.1	348
	10	73.9	31.2	-2.7	355	63.9	43.8	-10.6	346
	11	77.0	26.7	-2.3	355	69.2	35.8	-9.3	345
	12	80.0	22.3	-1.9	355	74.3	27.2	-8.7	342
	13	83.1	17.8	-1.5	355	78.1	20.2	-8.4	337
	14	86.2	13.4	-1.1	355	82.0	14.0	-7.8	331
	15	89.3	8.9	-0.7	355	86.4	7.7	-6.5	319
	16	92.4	4.5	-0.3	355	89.9	4.5	-4.3	316
	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0
M	18	46.1	71.3	-6.3	355	46.1	71.3	-6.3	355
	19	58.5	53.5	-4.7	355	47.4	68.7	-8.6	353
	20	70.8	35.7	-3.1	355	58.8	50.7	-11.1	348
	21	83.1	17.8	-1.5	355	78.1	20.2	-8.4	337
	22	95.5	0.0	0.0	0	95.5	0.0	0.0	0
Mean colour reproduction index: $R^*_{ab,m} = 47$									

IE471-3N; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N; 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^*	
N	1	8.7	0.0	0.0	0	8.7	0.0	0.0	0.0
	2	13.9	0.0	0.0	0	13.9	0.7	-2.5	2.7
	3	19.1	0.0	0.0	0	20.8	-0.2	-3.9	4.0
	4	24.4	0.0	0.0	0	27.4	-1.8	-3.0	3.6
	5	29.6	0.0	0.0	0	34.4	-2.2	-3.4	4.2
	6	34.9	0.0	0.0	0	40.2	-2.7	-1.7	3.3
	7	40.1	0.0	0.0	0	45.9	-3.1	-1.5	3.6
	8	45.4	0.0	0.0	0	52.0	-3.9	-1.1	4.2
Z	9	50.6	0.0	0.0	0	57.5	-3.9	-1.5	4.3
	10	55.9	0.0	0.0	0	63.4	-3.1	-1.9	3.8
	11	61.1	0.0	0.0	0	69.1	-1.8	-2.1	2.9
	12	66.4	0.0	0.0	0	75.2	-0.6	-2.1	2.3
	13	71.6	0.0	0.0	0	81.2	0.1	-1.4	1.5
	14	76.9	0.0	0.0	0	86.9	0.0	-0.1	0.2
	15	82.1	0.0	0.0	0	92.0	-0.7	1.1	1.4
	16	87.4	0.0	0.0	0	92.7	0.0	0.0	0.0
W	17	92.6	0.0	0.0	0	92.6	0.0	0.0	0.0
N	18	8.7	0.0	0.0	0	8.7	0.0	0.0	0.0
	19	29.6	0.0	0.0	0	34.4	-2.2	-3.4	4.2
Z	20	50.6	0.0	0.0	0	57.5	-3.9	-1.5	4.3
	21	71.6	0.0	0.0	0	81.2	0.1	-1.4	1.5
W	22	92.6	0.0	0.0	0	92.6	0.0	0.0	0.0

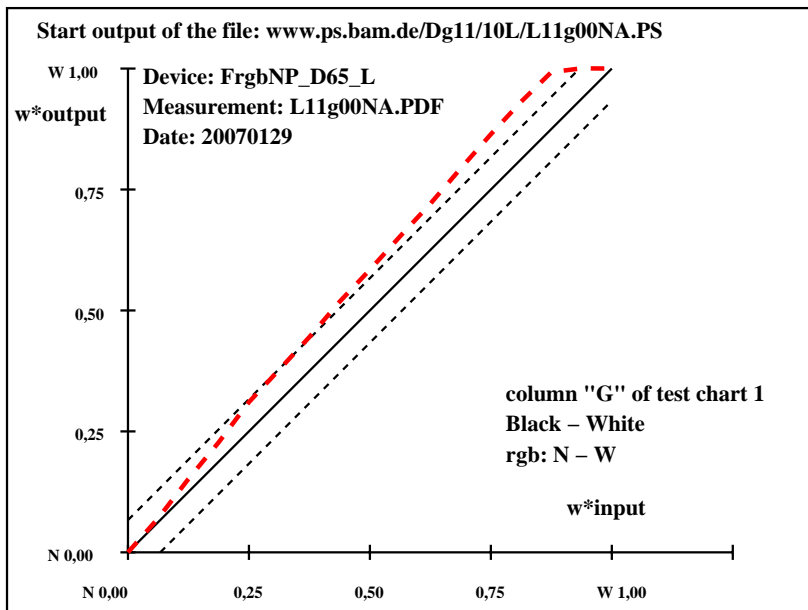
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.63 - 8.65$
Regularity
 $g^* = 44.4$
Lightness gamut relative to offset
 $f^* = 108.5$
Black - White
rgb: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 2.5$
 $\Delta E^{*CIELAB} = 6.3$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 2.0$
 $\Delta E^{*CIELAB} = 4.8$
Mean colour reproduction index: $R^*_{ab,m} = 72$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

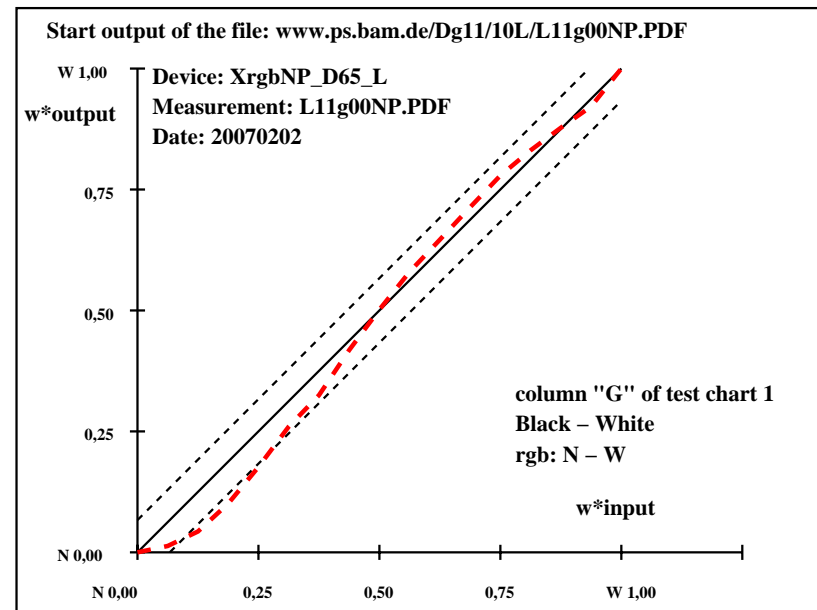
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
N	1	21.7	0.0	0.0	0	21.7	0.0	0.0	0.0
	2	26.3	0.0	0.0	0	22.6	0.0	0.0	3.6
	3	30.9	0.0	0.0	0	24.8	0.0	0.1	6.0
	4	35.5	0.0	0.0	0	29.1	0.0	0.0	6.4
	5	40.1	0.0	0.0	0	34.7	0.0	0.0	5.4
	6	44.7	0.0	0.0	0	40.8	0.0	0.0	3.9
	7	49.3	0.0	0.0	0	45.6	0.0	0.2	3.7
	8	53.9	0.0	0.0	0	52.5	0.0	0.1	1.4
Z	9	58.6	0.0	0.0	0	58.7	0.0	0.2	0.2
	10	63.2	0.0	0.0	0	64.5	0.0	0.2	1.3
	11	67.8	0.0	0.0	0	69.4	0.0	0.2	1.6
	12	72.4	0.0	0.0	0	74.3	0.0	0.2	1.9
	13	77.0	0.0	0.0	0	79.1	0.0	0.1	2.1
	14	81.6	0.0	0.0	0	83.0	0.0	0.0	1.4
	15	86.2	0.0	0.0	0	86.4	0.0	0.1	0.2
	16	90.8	0.0	0.0	0	89.7	0.0	0.2	1.2
W	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0.0
N	18	21.7	0.0	0.0	0	21.7	0.0	0.0	0.0
	19	40.1	0.0	0.0	0	34.7	0.0	0.0	5.4
Z	20	58.6	0.0	0.0	0	58.7	0.0	0.2	0.2
	21	77.0	0.0	0.0	0	79.1	0.0	0.1	2.1
W	22	95.5	0.0	0.0	0	95.5	0.0	0.0	1.6

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.46 - 21.66$
Regularity
 $g^* = 54.2$
Lightness gamut relative to offset
 $f^* = 95.3$
Black - White
rgb: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 0.1$
 $\Delta E^{*CIELAB} = 2.4$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 0.1$
 $\Delta E^{*CIELAB} = 1.6$
Mean colour reproduction index: $R^*_{ab,m} = 90$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



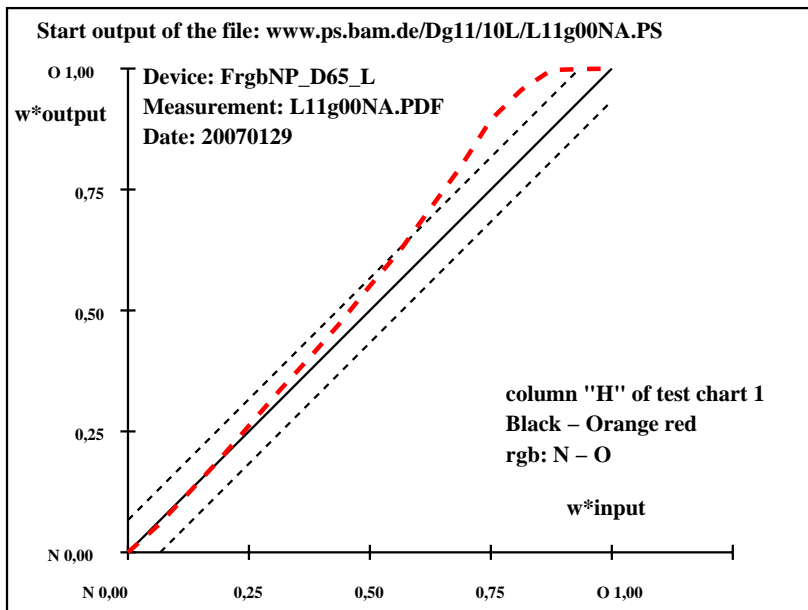
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref		hab,ref	LAB*a,out		hab,out	LAB*a,out/c-ref				ΔH^*	ΔE^*	Start output S1										
N	1	8.3	0.1	-0.1	297	8.3	0.1	-0.1	297	0.0	0.0	0.0	0.0	0.0	Specification according to									
	2	10.0	3.9	2.6	34	9.7	3.9	1.8	25	-0.3	0.0	-0.7	0.8	0.9	ISO/IEC 15775:1999 Annex G									
	3	11.7	7.7	5.4	35	11.3	8.2	4.5	29	-0.3	0.5	-0.8	1.0	1.1	and DIN 33866-1:2000 Annex G									
	4	13.4	11.5	8.2	35	13.0	12.5	7.3	30	-0.3	1.0	-0.8	1.3	1.4	relative CIELAB data used for "out"									
	5	15.0	15.3	11.0	36	14.9	17.1	10.2	31	-0.1	1.8	-0.7	2.0	2.0	$\Delta L^* = 35.11 - 8.34$									
	6	16.7	19.1	13.8	36	16.6	21.7	13.2	31	0.0	2.6	-0.5	2.7	2.7	Regularity									
	7	18.4	22.9	16.6	36	18.4	26.0	16.1	32	0.0	3.1	-0.4	3.1	3.1	$g^* = 28.8$									
	8	20.1	26.7	19.4	36	20.5	30.2	19.4	33	0.4	3.5	0.0	3.5	3.5										
	9	21.7	30.5	22.2	36	22.4	34.9	23.0	33	0.7	4.4	0.8	4.5	4.5	Lightness gamut relative to offset									
	10	23.4	34.3	25.0	36	25.1	39.2	26.1	34	1.7	4.9	1.1	5.0	5.3	$f^* = 34.6$									
	11	25.1	38.1	27.8	36	27.3	44.2	30.5	35	2.2	6.1	2.7	6.7	7.0										
	12	26.7	41.9	30.6	36	29.8	49.1	34.6	35	3.1	7.2	4.0	8.2	8.8	Black – Orange red									
	13	28.4	45.7	33.4	36	32.3	54.6	39.7	36	3.9	8.9	6.3	10.9	11.6	rgb: N – O									
	14	30.1	49.5	36.2	36	34.0	58.1	42.7	36	3.9	8.6	6.5	10.8	11.5										
	15	31.8	53.3	39.0	36	35.1	60.5	44.7	36	3.4	7.2	5.7	9.2	9.8	Mean CIELAB difference (17 steps)									
	16	33.4	57.1	41.8	36	35.2	60.7	44.7	36	1.7	3.6	2.9	4.6	4.9	$\Delta H^*_{CIELAB} = 4.4$									
O	17	35.1	60.9	44.6	36	35.1	60.9	44.6	36	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 4.6$									
N	18	8.3	0.1	-0.1	297	8.3	0.1	-0.1	297	0.0	0.0	0.0	0.0	0.0										
	19	15.0	15.3	11.0	36	14.9	17.1	10.2	31	-0.1	1.8	-0.7	2.0	2.0										
	20	21.7	30.5	22.2	36	22.4	34.9	23.0	33	0.7	4.4	0.8	4.5	4.5	Mean CIELAB difference (5 steps)									
	21	28.4	45.7	33.4	36	32.3	54.6	39.7	36	3.9	8.9	6.3	10.9	11.6	$\Delta H^*_{CIELAB} = 3.5$									
O	22	35.1	60.9	44.6	36	35.1	60.9	44.6	36	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 3.6$									
Mean colour reproduction index:															$R^*_{ab,m} = 80$									

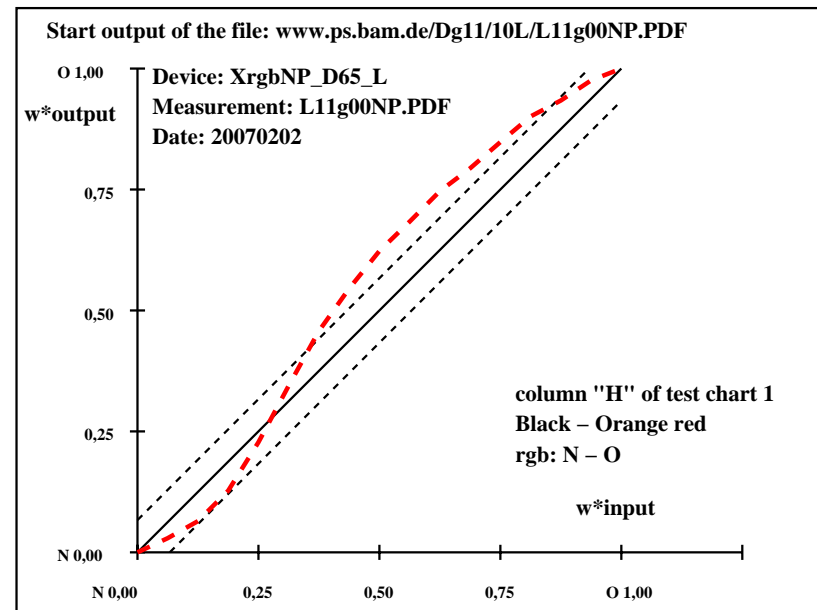
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1												
N	1	22.0	0.0	0.0	0	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	$\Delta L^* = 46.32 - 22.02$						
	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)						
	O	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	$\Delta H^*_{CIELAB} = 6.4$					
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	$\Delta E^*_{CIELAB} = 6.7$						
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						
O	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	$\Delta H^*_{CIELAB} = 4.4$						
	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	$\Delta E^*_{CIELAB} = 4.6$					
		Mean colour reproduction index:									$R^*_{ab,m} = 71$										

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



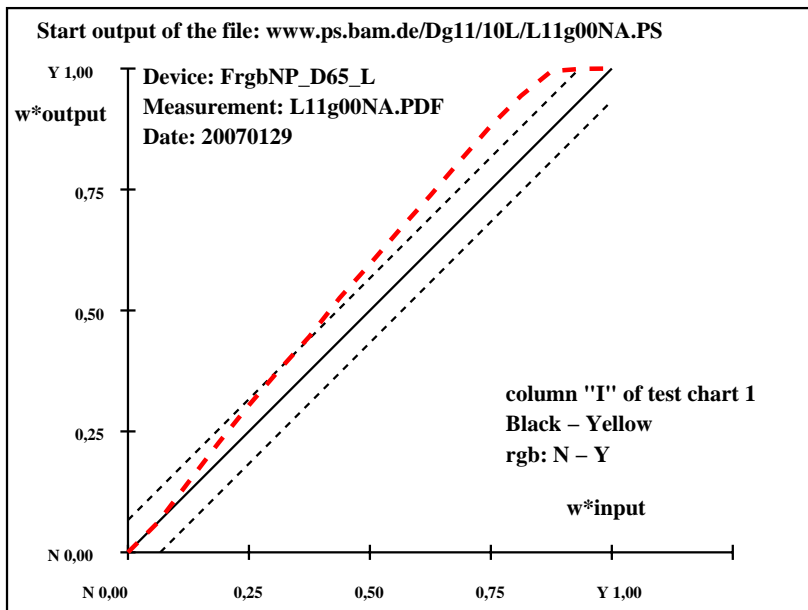
IE471-7N,

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1										Specification according to									
N	1	8.5	0.0	0.0	0	8.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ISO/IEC 15775:1999 Annex G									
	2	13.2	-0.2	6.9	92	13.2	-2.5	6.5	112	0.0	-2.3	-0.3	2.4	2.4					and DIN 33866-1:2000 Annex G									
	3	18.0	-0.4	13.9	92	19.3	-6.1	15.0	112	1.3	-5.6	1.1	5.8	6.0					relative CIELAB data used for "out"									
	4	22.7	-0.7	20.8	92	25.2	-9.1	23.7	111	2.6	-8.4	2.9	8.9	9.3					$\Delta L^* = 84.07 - 8.52$									
	5	27.4	-0.9	27.7	92	31.5	-11.0	31.9	109	4.1	-10.0	4.2	10.9	11.7					Regularity									
	6	32.1	-1.2	34.7	92	37.0	-11.8	40.1	107	4.9	-10.6	5.4	12.0	12.9					$g^* = 37.7$									
	7	36.9	-1.4	41.6	92	42.2	-12.9	47.8	105	5.3	-11.4	6.2	13.1	14.1					Lightness gamut relative to offset									
	8	41.6	-1.7	48.5	92	48.4	-14.0	56.5	104	6.9	-12.3	8.0	14.7	16.2					$f^* = 97.6$									
	9	46.3	-1.9	55.5	92	53.8	-14.5	64.3	103	7.5	-12.5	8.9	15.4	17.1					Black - Yellow									
	10	51.0	-2.2	62.4	92	59.1	-14.2	72.7	101	8.1	-12.0	10.3	15.9	17.8					rgb: N - Y									
	11	55.7	-2.4	69.3	92	64.6	-12.7	80.6	99	8.9	-10.2	11.3	15.3	17.7					Mean CIELAB difference (17 steps)									
	12	60.5	-2.7	76.2	92	70.0	-10.3	89.2	97	9.5	-7.6	13.0	15.0	17.8					$\Delta H^*_{CIELAB} = 10.5$									
	13	65.2	-2.9	83.2	92	75.4	-7.4	97.4	94	10.2	-4.4	14.2	14.9	18.1					$\Delta E^*_{CIELAB} = 12.0$									
	14	69.9	-3.2	90.1	92	80.0	-5.4	104.5	93	10.1	-2.2	14.4	14.6	17.7					Mean CIELAB difference (5 steps)									
	15	74.6	-3.4	97.0	92	83.6	-4.4	110.3	92	9.0	-0.9	13.3	13.3	16.1					$\Delta H^*_{CIELAB} = 8.2$									
	16	79.3	-3.7	104.0	92	83.9	-4.0	110.9	92	4.6	-0.2	6.9	6.9	8.3					$\Delta E^*_{CIELAB} = 9.4$									
Y	17	84.1	-3.9	110.9	92	84.1	-3.9	110.9	92	0.0	0.0	0.0	0.0	0.0					Mean colour reproduction index: $R^*_{ab,m} = 48$									
N	18	8.5	0.0	0.0	0	8.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0														
	19	27.4	-0.9	27.7	92	31.5	-11.0	31.9	109	4.1	-10.0	4.2	10.9	11.7														
	20	46.3	-1.9	55.5	92	53.8	-14.5	64.3	103	7.5	-12.5	8.9	15.4	17.1														
	21	65.2	-2.9	83.2	92	75.4	-7.4	97.4	94	10.2	-4.4	14.2	14.9	18.1														
Y	22	84.1	-3.9	110.9	92	84.1	-3.9	110.9	92	0.0	0.0	0.0	0.0	0.0														

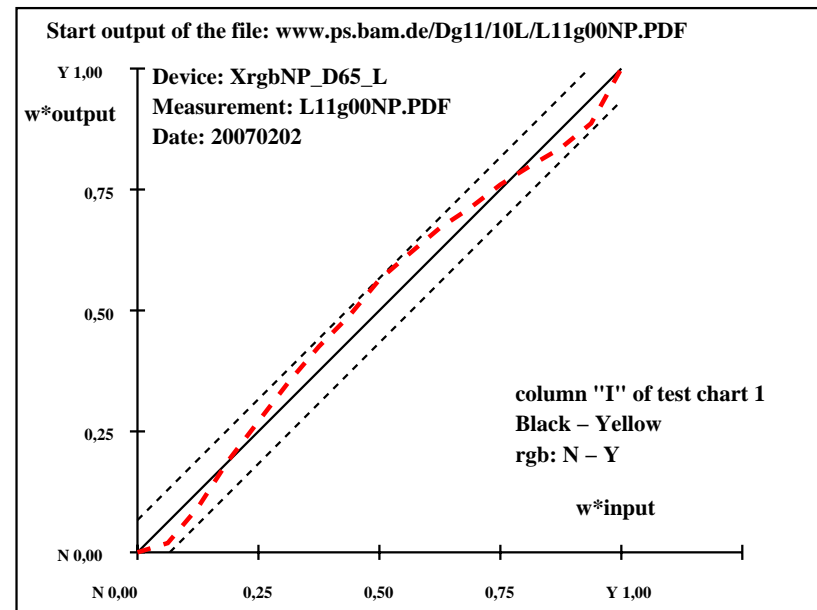
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1										Specification according to									
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					ISO/IEC 15775:1999 Annex G									
	2	26.3	-1.0	7.0	99	22.2	-0.7	2.4	108	-4.0	0.3	-4.5	4.6	6.1					and DIN 33866-1:2000 Annex G									
	3	30.6	-2.1	14.0	99	26.2	-3.4	11.0	108	-4.3	-1.2	-2.9	3.3	5.5					relative CIELAB data used for "out"									
	4	34.9	-3.1	20.9	99	32.4	-5.1	22.2	103	-2.4	-1.9	1.3	2.3	3.4					$\Delta L^* = 90.87 - 21.96$									
	5	39.2	-4.2	27.9	99	38.0	-6.9	31.3	103	-1.1	-2.6	3.4	4.3	4.5					Regularity									
	6	43.5	-5.3	34.9	99	43.4	-8.6	40.5	102	0.0	-3.2	5.6	6.5	6.5					$g^* = 70.1$									
	7	47.8	-6.4	41.9	99	48.4	-9.6	48.8	101	0.6	-3.1	6.9	7.6	7.7					Lightness gamut relative to offset									
	8	52.1	-7.4	48.9	99	53.3	-10.5	55.6	101	1.2	-3.0	6.7	7.4	7.5					$f^* = 89.0$									
	9	56.4	-8.5	55.9	99	58.7	-11.6	63.9	100	2.3	-3.0	8.1	8.6	8.9					Black - Yellow									
	10	60.7	-9.6	62.8	99	62.6	-12.3	69.9	100	1.8	-2.6	7.1	7.6	7.8					rgb: N - Y									
	11	65.0	-10.7	69.8	99	66.5	-12.9	75.7	100	1.4	-2.2	5.9	6.3	6.5					Mean CIELAB difference (17 steps)									
	12	69.3	-11.7	76.8	99	69.6	-14.0	80.1	100	0.2	-2.2	3.3	4.0	4.0					$\Delta H^*_{CIELAB} = 4.5$									
	13	73.6	-12.8	83.8	99	73.2	-14.2	85.4	100	-0.4	-1.3	1.6	2.1	2.2					$\Delta E^*_{CIELAB} = 5.0$									
	14	77.9	-13.9	90.8	99	76.2	-14.7	89.6	99	-1.6	-0.7	-1.1	1.4	2.2					Mean CIELAB difference (5 steps)									
	15	82.3	-15.0	97.7	99	79.0	-15.4	93.5	99	-3.1	-0.3	-4.1	4.3	5.4					$\Delta H^*_{CIELAB} = 3.0$									
	16	86.6	-16.0	104.7	99	82.7	-15.7	99.2	99	-3.8	0.3	-5.4	5.5	6.8					$\Delta E^*_{CIELAB} = 3.1$									
Y	17	90.9	-17.1	111.7	99	90.9	-17.1	111.7	99	0.0	0.0	0.0	0.0	0.0					Mean colour reproduction index: $R^*_{ab,m} = 79$									
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	39.2	-4.2	27.9	99	38.0	-6.9	31.3	103	-1.1	-2.6	3.4	4.3	4.5														
	20	56.4	-8.5	55.9	99	58.7	-11.6	63.9	100	2.3	-3.0	8.1	8.6	8.9														
	21	73.6	-12.8	83.8	99	73.2	-14.2	85.4	100	-0.4	-1.3	1.6	2.1	2.2														
Y	22	90.9	-17.1	111.7	99	90.9	-17.1	111.7	99	0.0	0.0	0.0	0.0	0.0														

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



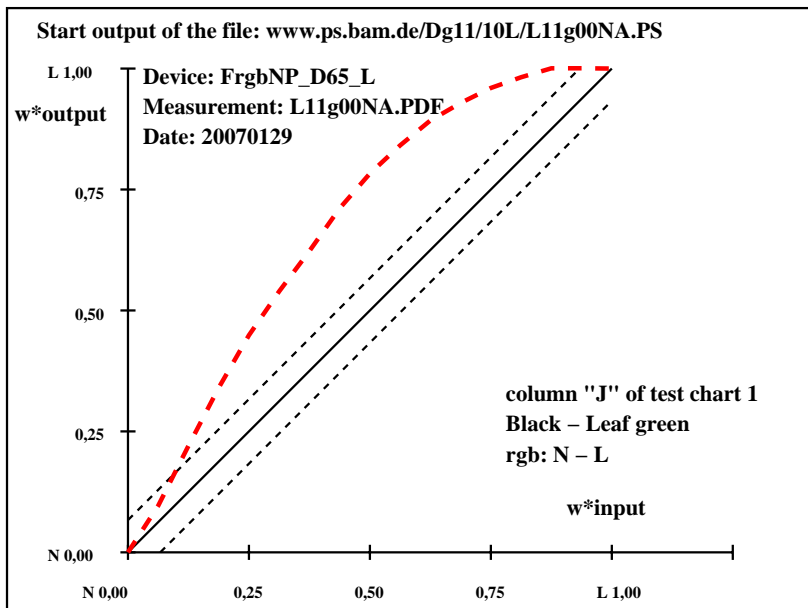
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1												
N	1	8.5	0.1	0.0	315	8.5	0.1	0.0	315	0.0	0.0	0.0	0.0	0.0	Specification according to						
	2	10.7	-3.7	2.9	142	11.7	-6.3	4.0	148	1.0	-2.5	1.1	2.8	3.0	ISO/IEC 15775:1999 Annex G						
	3	12.9	-7.5	6.0	142	15.6	-14.5	9.6	147	2.7	-6.9	3.6	7.8	8.3	and DIN 33866-1:2000 Annex G						
	4	15.1	-11.4	9.0	142	19.8	-22.2	15.1	146	4.7	-10.7	6.1	12.4	13.3	relative CIELAB data used for "out"						
	5	17.3	-15.3	12.1	142	23.5	-29.2	20.1	146	6.2	-13.8	8.0	16.1	17.2	$\Delta L^* = 43.7 - 8.49$						
	6	19.5	-19.1	15.1	142	26.7	-34.8	24.6	145	7.2	-15.6	9.5	18.3	19.7	Regularity						
	7	21.7	-23.0	18.2	142	29.7	-39.9	28.7	144	8.0	-16.8	10.5	19.9	21.5	$g^* = 10.4$						
	8	23.9	-26.9	21.2	142	33.0	-45.0	33.4	143	9.1	-18.0	12.2	21.8	23.6	Lightness gamut relative to offset						
	9	26.1	-30.8	24.2	142	35.5	-49.3	37.1	143	9.4	-18.5	12.9	22.6	24.5							
	10	28.3	-34.6	27.3	142	37.7	-52.7	40.1	143	9.4	-18.0	12.8	22.2	24.1							
	11	30.5	-38.5	30.3	142	39.6	-55.6	42.9	142	9.1	-17.0	12.6	21.2	23.1							
	12	32.7	-42.4	33.4	142	41.0	-57.7	44.8	142	8.3	-15.2	11.4	19.1	20.8	Black – Leaf green						
	13	34.9	-46.2	36.4	142	42.1	-59.5	46.4	142	7.2	-13.2	10.0	16.6	18.1	rgb: N – L						
	14	37.1	-50.1	39.5	142	43.0	-60.8	47.5	142	5.9	-10.6	8.0	13.4	14.6							
	15	39.3	-54.0	42.5	142	43.7	-61.7	48.7	142	4.4	-7.6	6.2	9.9	10.8	Mean CIELAB difference (17 steps)						
	16	41.5	-57.8	45.6	142	43.7	-61.6	48.8	142	2.2	-3.7	3.2	5.0	5.4	$\Delta H^*_{CIELAB} = 13.5$						
L	17	43.7	-61.7	48.6	142	43.7	-61.7	48.6	142	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 14.6$						
	N 18	8.5	0.1	0.0	315	8.5	0.1	0.0	315	0.0	0.0	0.0	0.0	0.0							
	19	17.3	-15.3	12.1	142	23.5	-29.2	20.1	146	6.2	-13.8	8.0	16.1	17.2							
	20	26.1	-30.8	24.2	142	35.5	-49.3	37.1	143	9.4	-18.5	12.9	22.6	24.5	Mean CIELAB difference (5 steps)						
L	21	34.9	-46.2	36.4	142	42.1	-59.5	46.4	142	7.2	-13.2	10.0	16.6	18.1	$\Delta H^*_{CIELAB} = 11.0$						
	22	43.7	-61.7	48.6	142	43.7	-61.7	48.6	142	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 12.0$						
	Mean colour reproduction index:									$R^*_{ab,m} = 36$											

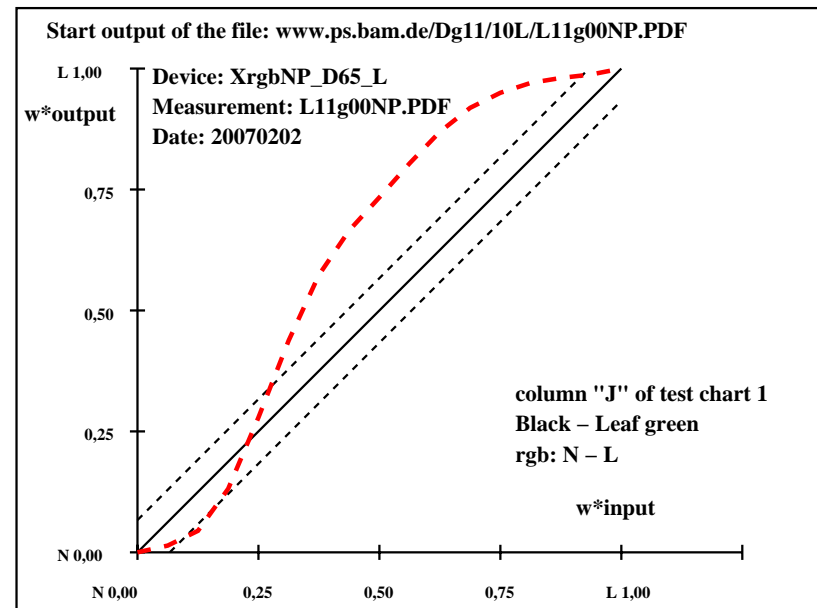
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

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	$\Delta L^* = 46.01 - 21.91$						
	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	Lightness gamut relative to offset						
	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							
	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							
	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	Black – Leaf green						
	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							
	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							
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	$\Delta E^*_{CIELAB} = 10.4$						
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	$\Delta E^*_{CIELAB} = 10.7$						
	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	Mean CIELAB difference (5 steps)						
	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							
	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							
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	$\Delta E^*_{CIELAB} = 7.7$						
Mean colour reproduction index:										$R^*_{ab,m} = 54$											

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



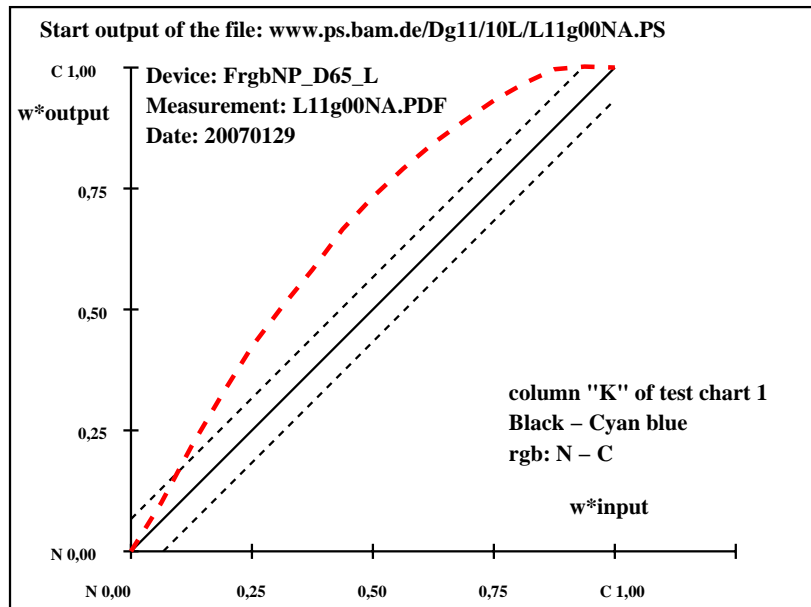
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1												
N	1	8.8	0.1	0.0	315	8.8	0.1	0.0	315	0.0	0.0	0.0	0.0	0.0	Specification according to						
	2	11.6	-1.6	-2.0	230	12.3	-2.8	-4.2	236	0.7	-1.1	-2.1	2.5	2.6	ISO/IEC 15775:1999 Annex G						
	3	14.4	-3.4	-4.0	229	17.2	-7.3	-7.4	225	2.8	-3.8	-3.3	5.2	5.9	and DIN 33866-1:2000 Annex G						
	4	17.2	-5.3	-5.9	228	21.8	-12.4	-8.6	215	4.6	-7.0	-2.6	7.6	8.9	relative CIELAB data used for "out"						
	5	20.0	-7.1	-7.9	228	26.6	-15.9	-10.8	214	6.5	-8.7	-2.8	9.3	11.4	$\Delta L^* = 53.56 - 8.82$						
	6	22.8	-8.9	-9.9	228	30.0	-20.0	-11.4	210	7.2	-11.0	-1.4	11.2	13.3	Regularity						
	7	25.6	-10.7	-11.9	228	33.5	-22.9	-12.8	209	7.9	-12.1	-0.8	12.2	14.5	$g^* = 18.1$						
	8	28.4	-12.5	-13.9	228	37.3	-26.2	-14.1	208	8.9	-13.6	-0.1	13.7	16.3	Lightness gamut relative to offset						
	9	31.2	-14.4	-15.9	228	40.5	-28.1	-16.2	210	9.3	-13.7	-0.2	13.8	16.6							
	10	34.0	-16.2	-17.8	228	43.4	-29.2	-18.7	213	9.4	-12.9	-0.8	13.1	16.1							
11	36.8	-18.0	-19.8	228	46.1	-29.5	-21.7	216	9.3	-11.4	-1.8	11.7	14.9	Black – Cyan blue							
12	39.6	-19.8	-21.8	228	48.4	-29.5	-24.5	220	8.8	-9.6	-2.6	10.1	13.4								
13	42.4	-21.6	-23.8	228	50.4	-29.4	-27.3	223	8.0	-7.7	-3.4	8.5	11.7	rgb: N – C							
14	45.2	-23.4	-25.8	228	52.1	-29.6	-29.1	225	6.9	-6.1	-3.2	7.0	9.8								
15	48.0	-25.3	-27.7	228	53.4	-29.8	-30.6	226	5.5	-4.4	-2.8	5.4	7.7	Mean CIELAB difference (17 steps)							
16	50.8	-27.1	-29.7	228	53.7	-29.0	-31.6	227	3.0	-1.8	-1.8	2.7	4.0								
C	17	53.6	-28.9	-31.7	228	53.6	-28.9	-31.7	228	0.0	0.0	0.0	0.0	0.0	$\Delta H^{*CIELAB} = 7.9$						
N	18	8.8	0.1	0.0	315	8.8	0.1	0.0	315	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*CIELAB} = 9.8$						
	19	20.0	-7.1	-7.9	228	26.6	-15.9	-10.8	214	6.5	-8.7	-2.8	9.3	11.4	Mean CIELAB difference (5 steps)						
	20	31.2	-14.4	-15.9	228	40.5	-28.1	-16.2	210	9.3	-13.7	-0.2	13.8	16.6							
	21	42.4	-21.6	-23.8	228	50.4	-29.4	-27.3	223	8.0	-7.7	-3.4	8.5	11.7							
C	22	53.6	-28.9	-31.7	228	53.6	-28.9	-31.7	228	0.0	0.0	0.0	0.0	0.0	$\Delta H^{*CIELAB} = 6.3$						
															$\Delta E^{*CIELAB} = 7.9$						
Mean colour reproduction index:										$R^*_{ab,m} = 57$											

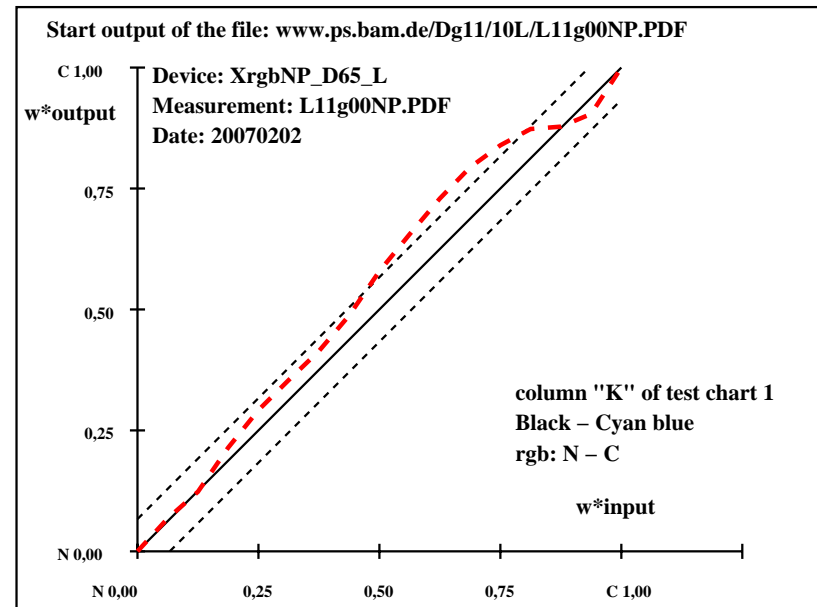
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

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	$\Delta L^* = 50.86 - 20.66$							
	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)							
	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	$\Delta H^*_{CIELAB} = 8.1$							
C	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	$\Delta E^*_{CIELAB} = 8.6$							
N	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								
	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	$\Delta H^*_{CIELAB} = 6.0$							
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	$\Delta E^*_{CIELAB} = 6.2$							
Mean colour reproduction index:										$R^*_{ab,m} = 63$												

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



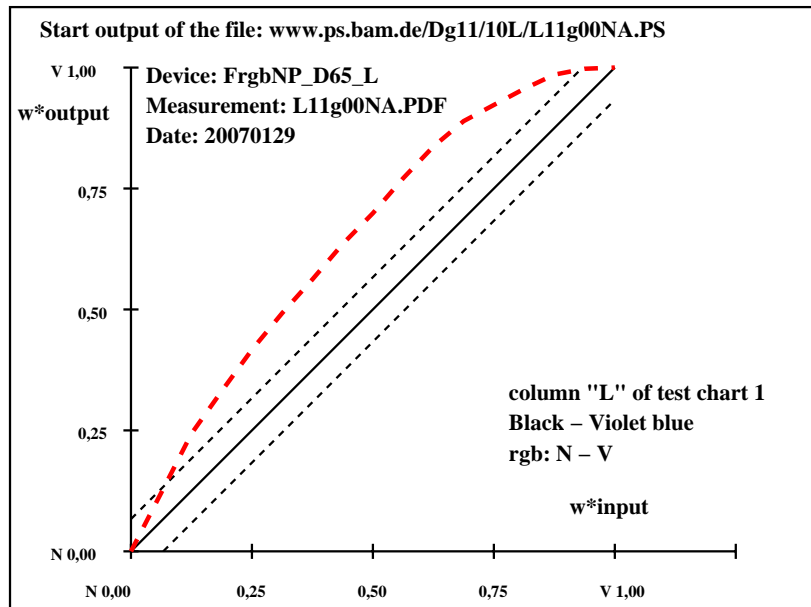
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1							
N	1	8.7	0.1	0.0	0	8.7	0.1	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	9.1	3.4	-3.7	312	8.9	4.7	-8.5	299	-0.1	1.3	-4.7	5.0	5.0	5.0	ISO/IEC 15775:1999 Annex G
	3	9.4	6.7	-7.5	311	9.4	10.2	-16.7	301	0.0	3.5	-9.1	9.9	9.9	9.9	and DIN 33866-1:2000 Annex G
	4	9.7	10.0	-11.3	311	9.7	14.6	-22.3	303	0.0	4.6	-10.9	11.9	11.9	11.9	relative CIELAB data used for "out"
	5	10.0	13.3	-15.1	311	10.9	19.0	-27.6	304	0.9	5.7	-12.4	13.8	13.8	13.8	$\Delta L^* = 13.88 - 8.73$
	6	10.3	16.6	-18.9	311	10.5	23.1	-32.2	306	0.2	6.5	-13.2	14.8	14.8	14.8	Regularity
	7	10.7	19.9	-22.7	311	11.0	27.0	-36.3	307	0.3	7.1	-13.5	15.4	15.4	15.4	$g^* = 4.6$
	8	11.0	23.2	-26.5	311	11.4	31.2	-40.5	308	0.4	8.0	-13.9	16.2	16.2	16.2	
	9	11.3	26.5	-30.3	311	12.0	34.9	-44.1	308	0.7	8.4	-13.8	16.2	16.2	16.2	Lightness gamut relative to offset
	10	11.6	29.8	-34.0	311	12.3	39.2	-48.1	309	0.6	9.4	-14.0	16.9	16.9	16.9	$f^* = 6.7$
	11	11.9	33.1	-37.8	311	12.8	43.0	-51.8	310	0.9	9.9	-13.9	17.1	17.1	17.1	
	12	12.3	36.4	-41.6	311	13.3	46.1	-54.7	310	1.0	9.7	-13.0	16.3	16.3	16.3	Black - Violet blue
	13	12.6	39.7	-45.4	311	13.8	48.1	-56.5	310	1.2	8.4	-11.0	13.9	14.0	14.0	rgb: N - V
	14	12.9	43.0	-49.2	311	14.0	50.1	-58.3	311	1.1	7.1	-9.0	11.5	11.6	11.6	
	15	13.2	46.3	-53.0	311	13.9	51.9	-59.9	311	0.7	5.6	-6.8	8.9	8.9	8.9	Mean CIELAB difference (17 steps)
	16	13.6	49.6	-56.8	311	13.9	52.7	-60.5	311	0.4	3.1	-3.6	4.8	4.8	4.8	$\Delta H^{*}_{CIELAB} = 11.3$
V	17	13.9	52.9	-60.6	311	13.9	52.9	-60.6	311	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 11.3$
N	18	8.7	0.1	0.0	0	8.7	0.1	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
	19	10.0	13.3	-15.1	311	10.9	19.0	-27.6	304	0.9	5.7	-12.4	13.8	13.8	13.8	
	20	11.3	26.5	-30.3	311	12.0	34.9	-44.1	308	0.7	8.4	-13.8	16.2	16.2	16.2	Mean CIELAB difference (5 steps)
	21	12.6	39.7	-45.4	311	13.8	48.1	-56.5	310	1.2	8.4	-11.0	13.9	14.0	14.0	$\Delta H^{*}_{CIELAB} = 8.8$
	22	13.9	52.9	-60.6	311	13.9	52.9	-60.6	311	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 8.8$
	V	22	13.9	52.9	-60.6	311	13.9	52.9	-60.6	311	0.0	0.0	0.0	0.0	0.0	0.0
Mean colour reproduction index:										$R^{*}_{ab,m} = 50$						

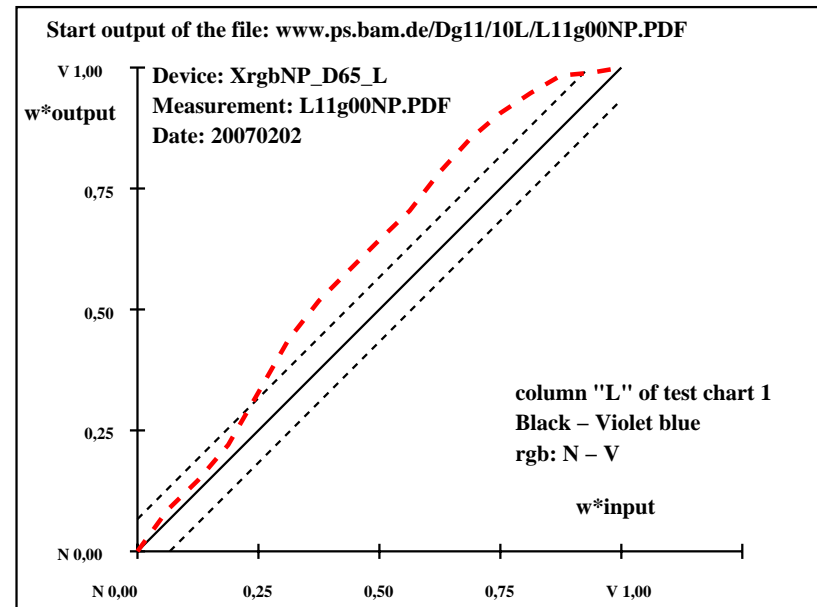
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

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	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	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	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	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	5.8	$\Delta L^* = 38.83 - 20.35$
	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	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	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	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	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	8.5	$f^* = 23.9$
V	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	9.4	
	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	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	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	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	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	3.7	$\Delta H^*_{CIELAB} = 5.8$
	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	0.0	$\Delta E^*_{CIELAB} = 6.2$
	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	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	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	8.6	Mean CIELAB difference (5 steps)
V	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	9.5	$\Delta H^*_{CIELAB} = 4.6$
	22	38.8	1.2	-49.2	271	38.8	1.2	-49.2	271	0.0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 4.8$
Mean colour reproduction index:										$R^*_{ab,m} = 73$						

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; 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	8.9	0.0	0.2	90	8.9	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	Specification according to														
	2	10.7	5.0	-1.9	338	10.6	8.1	-6.4	321	0.0	3.1	-4.4	5.5	5.5	ISO/IEC 15775:1999 Annex G														
	3	12.6	10.0	-4.1	337	12.8	16.4	-12.6	322	0.2	6.4	-8.4	10.7	10.7	and DIN 33866-1:2000 Annex G														
	4	14.4	14.9	-6.2	337	15.1	23.4	-16.7	324	0.7	8.5	-10.4	13.5	13.5	relative CIELAB data used for "out"														
	5	16.2	19.9	-8.4	337	17.6	30.4	-20.9	325	1.4	10.5	-12.4	16.3	16.4	$\Delta L^* = 38.24 - 8.91$														
	6	18.1	24.9	-10.6	337	19.6	36.3	-23.0	328	1.5	11.4	-12.3	16.9	16.9	Regularity														
	7	19.9	29.9	-12.8	337	21.6	41.9	-25.9	328	1.6	12.0	-13.1	17.8	17.9	$g^* = 29.3$														
	8	21.7	34.9	-14.9	337	23.8	47.6	-28.4	329	2.1	12.7	-13.4	18.5	18.7															
	9	23.6	39.9	-17.1	337	25.9	52.8	-30.6	330	2.4	13.0	-13.4	18.7	18.9	Lightness gamut relative to offset														
	10	25.4	44.8	-19.3	337	28.2	58.5	-33.0	330	2.8	13.7	-13.6	19.4	19.6	$f^* = 37.9$														
M	11	27.2	49.8	-21.5	337	30.5	63.6	-34.3	332	3.3	13.8	-12.8	18.8	19.1															
	12	29.1	54.8	-23.6	337	33.0	68.5	-35.1	333	3.9	13.7	-11.4	17.9	18.3	Black – Magenta red														
	13	30.9	59.8	-25.8	337	35.5	72.8	-34.8	334	4.5	13.0	-8.9	15.8	16.5	rgb: N – M														
	14	32.7	64.8	-28.0	337	37.0	76.4	-34.6	336	4.2	11.6	-6.5	13.4	14.0															
	15	34.6	69.7	-30.1	337	38.2	78.7	-34.3	336	3.6	9.0	-4.1	9.9	10.5	Mean CIELAB difference (17 steps)														
	16	36.4	74.7	-32.3	337	38.3	79.5	-34.6	336	1.9	4.8	-2.2	5.3	5.6	$\Delta H^{*CIELAB} = 12.8$														
	17	38.2	79.7	-34.5	337	38.2	79.7	-34.5	337	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*CIELAB} = 13.1$														
	18	8.9	0.0	0.2	90	8.9	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0															
	19	16.2	19.9	-8.4	337	17.6	30.4	-20.9	325	1.4	10.5	-12.4	16.3	16.4															
	20	23.6	39.9	-17.1	337	25.9	52.8	-30.6	330	2.4	13.0	-13.4	18.7	18.9	Mean CIELAB difference (5 steps)														
M	21	30.9	59.8	-25.8	337	35.5	72.8	-34.8	334	4.5	13.0	-8.9	15.8	16.5	$\Delta H^{*CIELAB} = 10.2$														
	22	38.2	79.7	-34.5	337	38.2	79.7	-34.5	337	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*CIELAB} = 10.3$														
Mean colour reproduction index:																			$R^*_{ab,m} = 43$										

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

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

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
N	1	9.1	0.0	0.2	90	9.1	0.0	0.2	90
	2	14.4	0.0	0.2	90	14.6	0.3	-1.7	279
	3	19.6	0.0	0.2	90	21.7	-0.4	-2.7	260
	4	24.8	0.0	0.2	90	28.4	-1.8	-1.9	226
	5	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227
	6	35.3	0.0	0.1	90	41.3	-2.6	-0.4	190
	7	40.5	0.0	0.1	90	46.8	-2.6	-0.7	197
	8	45.7	0.0	0.1	90	52.9	-3.7	-0.2	185
Z	9	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193
	10	56.2	0.0	0.1	90	63.8	-3.2	-1.2	202
	11	61.4	0.0	0.1	90	69.8	-1.8	-1.5	220
	12	66.7	0.0	0.1	90	75.6	-0.8	-1.6	242
	13	71.9	0.0	0.1	90	81.6	0.0	-1.1	270
	14	77.1	0.0	0.0	90	87.1	0.0	0.0	270
	15	82.3	0.0	0.0	90	92.1	-0.6	1.1	122
	16	87.6	0.0	0.0	90	92.9	0.0	0.0	0
W	17	92.8	0.0	0.0	0	92.8	0.0	0.0	0
N	18	9.1	0.0	0.2	90	9.1	0.0	0.2	90
	19	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227
Z	20	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193
	21	71.9	0.0	0.1	90	81.6	0.0	-1.1	270
W	22	92.8	0.0	0.0	0	92.8	0.0	0.0	0

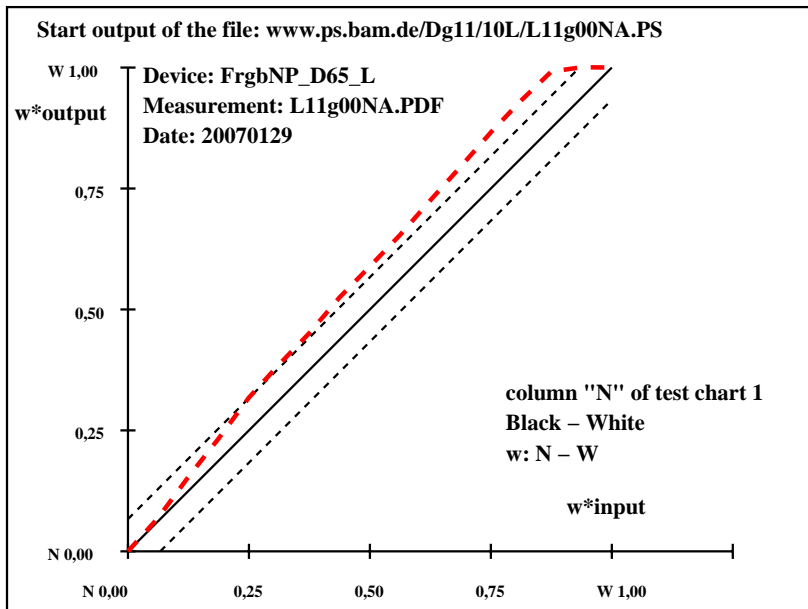
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.81 - 9.12$
Regularity
 $g^* = 42.5$
Lightness gamut relative to offset
 $f^* = 108.1$
Black - White
w: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 2.1$
 $\Delta E^*_{CIELAB} = 6.3$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 1.7$
 $\Delta E^*_{CIELAB} = 4.9$
Mean colour reproduction index: $R^*_{ab,m} = 72$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

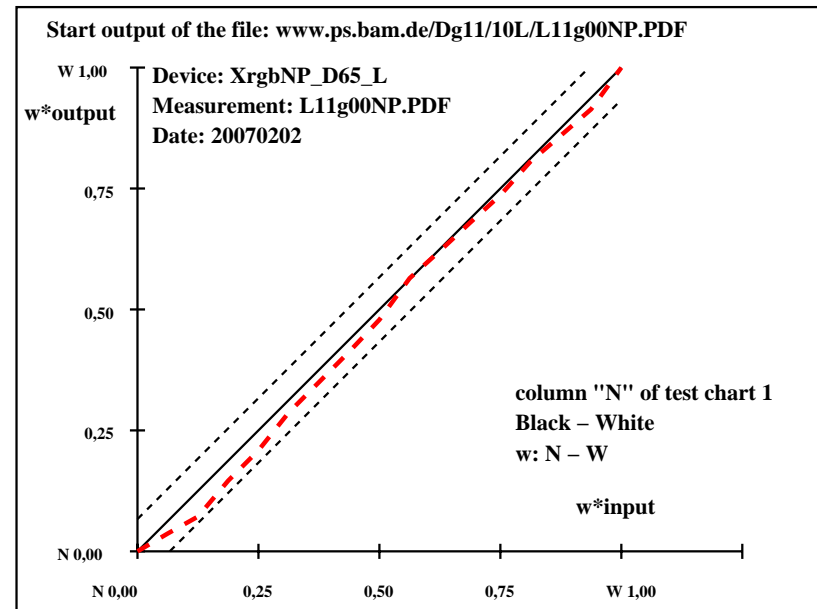
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
N	1	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243
	2	25.9	0.0	-0.1	242	24.0	0.0	0.0	270
	3	30.6	0.0	-0.1	240	26.6	0.0	0.0	0
	4	35.2	0.0	-0.1	238	32.1	0.0	0.0	0
	5	39.8	0.0	-0.1	236	36.8	0.0	0.1	90
	6	44.5	0.0	0.0	234	42.6	0.0	0.0	270
	7	49.1	0.0	0.0	231	47.2	0.0	0.0	0
	8	53.8	0.0	0.0	228	51.9	0.0	0.1	90
Z	9	58.4	0.0	0.0	225	56.8	0.0	0.3	108
	10	63.0	0.0	0.0	221	63.2	0.0	0.0	180
	11	67.7	0.0	0.0	217	67.4	0.0	0.0	0
	12	72.3	0.0	0.0	212	71.7	0.0	0.3	90
	13	77.0	0.0	0.0	207	75.9	0.0	0.1	90
	14	81.6	0.0	0.0	201	81.1	0.0	0.1	90
	15	86.2	0.0	0.0	194	85.1	0.0	0.1	90
	16	90.9	0.0	0.0	187	89.1	0.0	0.0	0
W	17	95.5	0.0	0.0	180	95.5	0.0	0.0	0
N	18	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243
	19	39.8	0.0	-0.1	236	36.8	0.0	0.1	90
Z	20	58.4	0.0	0.0	225	56.8	0.0	0.3	108
	21	77.0	0.0	0.0	207	75.9	0.0	0.1	90
W	22	95.5	0.0	0.0	180	95.5	0.0	0.0	0

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.51 - 21.27$
Regularity
 $g^* = 77.3$
Lightness gamut relative to offset
 $f^* = 95.9$
Black - White
w: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 1.5$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 1.1$
Mean colour reproduction index: $R^*_{ab,m} = 94$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

out	hab,out	LAB*a _{out} /c-ref	ΔH°	ΔE*	Start output S1			
8	44.5	36	0.0	0.0	0.0	0.0	Specification according to	
8	37.0	33	1.6	5.1	-1.8	5.5	5.7	ISO/IEC 15775:1999 Annex G
5	29.8	30	3.5	7.9	-3.4	8.7	9.3	and DIN 33866-1:2000 Annex G

Regularity
 $g^* = 36.1$

Orange red – Cyan blue
rgb: O – Z – C

Mean CIELAB difference (17 steps)

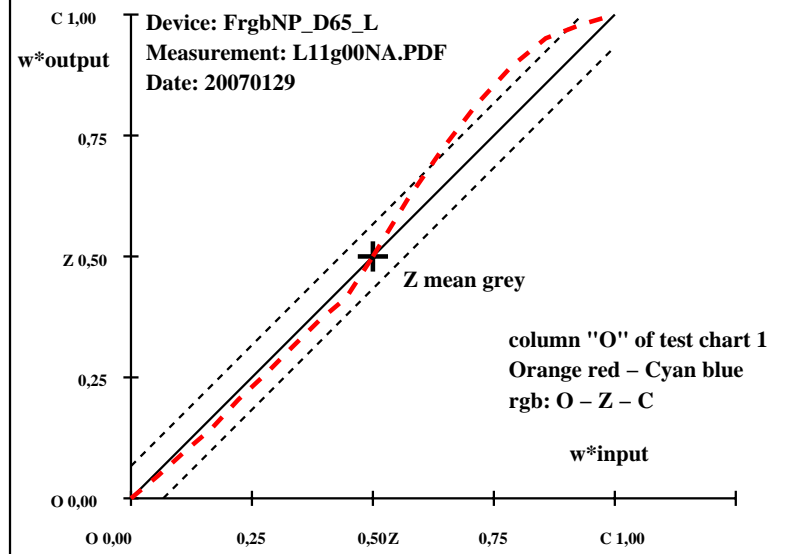
$$\Delta H^*_{\text{CIELAB}} = -5.0$$
$$\Delta E^*_{\text{CIELAB}} = 6.1$$

Mean CIELAB difference (5 steps)

$$\Delta H^*_{\text{CHFLAR}} = -3.2$$
$$\Delta E^*_{\text{CIE LAB}} = 4.0$$

IE470-3N.; Device: FrgbNP D65 L; Measurement: L1lg00NA.PDF; Date: 20070129

Start output of the file: www.ps.bam.de/Dg11/10L/L11g00NA.PS



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L1lg00NA.PDF; Date: 20070129

TUB-test chart IE47 for output specification
17 step colour scale "O"; *rgb* input data; 2 devices, 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	46.3	60.2	39.9	34	46.3	60.2	39.9	34	0.0	0.0	0.0	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 G

0 **Regularity**
5 $g^* = 12.5$

9 **Orange red – Cyan blue**
8 **rgb: O – Z – C**

5 Mean CIELAB difference (17 steps)

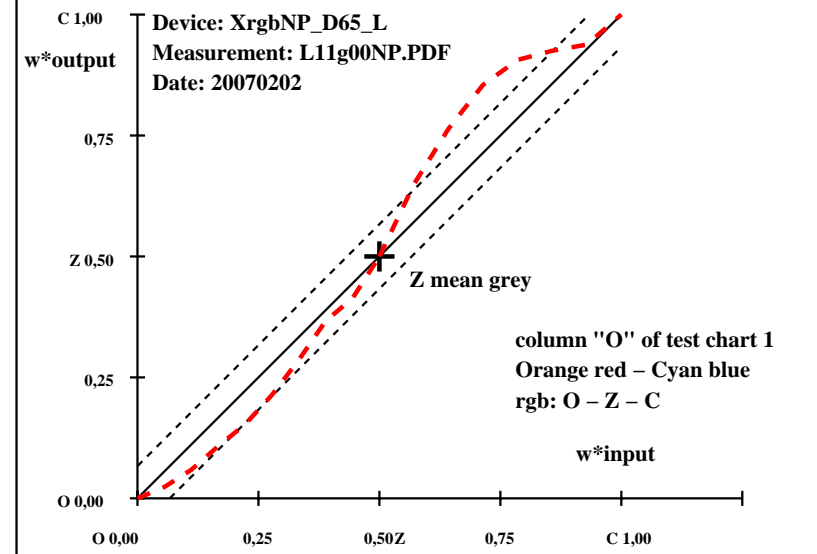
$$5 \quad \Delta H^*_{\text{CIELAB}} = 8.7$$
$$\Delta E^*_{\text{CIELAB}} = 9.7$$

0 Mean CIELAB difference (5 steps)

$$8 \quad \Delta H^*_{\text{CIELAB}} = -6.2$$
$$\Delta E^*_{\text{CIE LAB}} = 6.9$$

IE471-3N.; Device: XrgbNP D65 L; Measurement: L11g00NP.PDF; Date: 20070202

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



IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

input: *rgb (->olv*) setrgbcolor*
output: no change compared to input

out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1			
8	110.3	92	0.0	0.0	0.0	0.0	Specification according to	
7	98.3	93	4.5	-1.8	1.8	2.7	5.2	ISO/IEC 15775:1999 Annex G
6	85.7	95	8.4	-3.7	3.1	4.9	9.7	and DIN 33866-1:2000 Annex G

Regularity
 $g^* = 24.8$

Yellow – Violet blue
rgb: Y – Z – V

Mean CIELAB difference (17 steps)

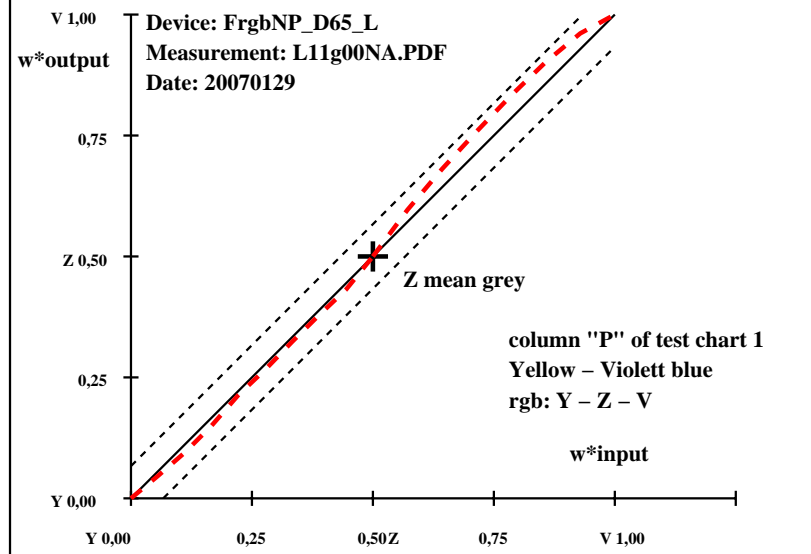
$$\Delta H^*_{\text{CIELAB}} = 6.3$$
$$\Delta E^*_{\text{CIELAB}} = 7.4$$

Mean CIELAB difference (5 steps)

$$\Delta H^*_{\text{CIELAB}} = 3.9$$
$$\Delta E^*_{\text{CIELAB}} = 4.6$$

IE470-3N.: Device: FrqBNP D65 L: Measurement: L1lg00NA.PDF: Date: 20070129

Start output of the file: www.ps.bam.de/Dg11/10L/L11g00NA.PS



IE470-7N.; Device: FrgbNP_D65_L; Measurement: L1lg00NA.PDF; Date: 20070129

TUB-test chart IE47 for output specification
17 step colour scale "P"; *rgb* input data; 2 devices, 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	90.8	-16.9	112.2	99	90.8	-16.9	112.2	99	0.0	0.0	0.0	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

5 **Regularity**
6 $g^* = 6.9$

9 **Yellow – Violet blue**
2 **rgb: Y – Z – V**

3 Mean CIELAB difference (17 steps)

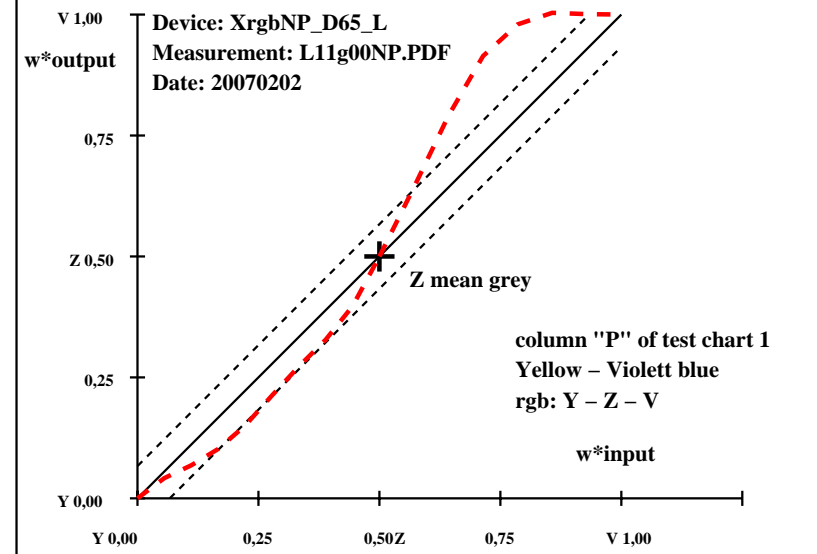
4 $\Delta H^*_{\text{CIELAB}} = 9.1$
$$\Delta E^*_{\text{CIELAB}} = 10.0$$

0 Mean CIELAB difference (5 steps)

$$2 \Delta H^*_{\text{CIELAB}} = 6.4$$
$$\Delta E^*_{\text{CIELAB}} = 7.1$$

IE471-3N.: Device: XrgbNP D65 L: Measurement: L1|g00NP.PDF: Date: 20070202

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



IE471-7N, ; Device: XrgbNP_D65 L; Measurement: L11g00NP.PDF; Date: 20070202

input: *rgb (->olv*) setrgbcolor*
output: no change compared to input

TUB registration: 20090901-IE47/IE47L0NA.PS .TXT

TUB material: code=rh4ta

	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1			
5	49.0	141	0.0	0.0	0.0	0.0	0.0	Specification according to
8	45.3	143	3.0	-5.4	2.5	6.0	6.8	ISO/IEC 15775:1999 Annex G
7	40.4	145	5.9	-9.5	3.8	10.3	11.9	and DIN 33866-1:2000 Annex G

Regularity
 $g^* = 6.8$

Leaf green – Magenta red
rgb: L – Z – M

Mean CIELAB difference (17 steps)

$$\Delta H^*_{\text{CIELAB}} = 9.0$$
$$\Delta E^*_{\text{CIELAB}} = 9.8$$

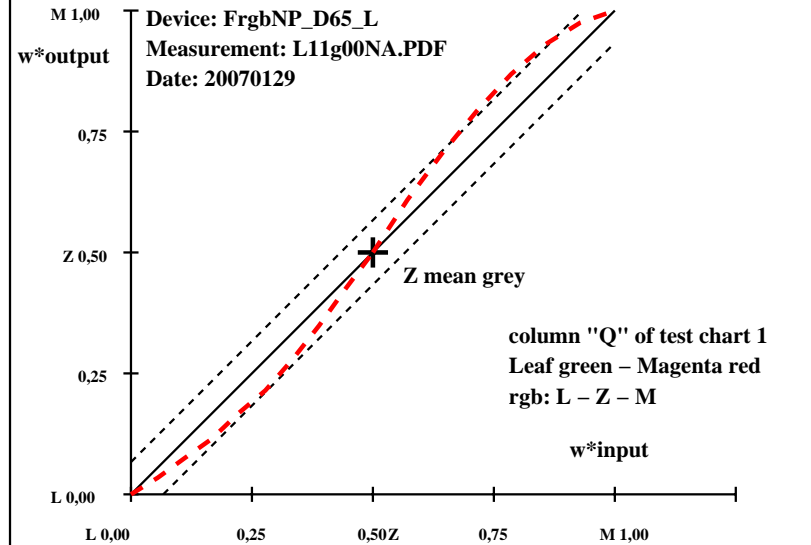
Mean CIELAB difference (5 steps)

$$\Delta H^*_{\text{CIELAB}} = 5.6$$
$$\Delta E^*_{\text{CTFLAB}} = 6.2$$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

Start output of the file: www.ps.bam.de/Dg11/10L/L11g00NA.PS

Device: FrgbNP_D65_L
Measurement: L11g00NA.PDF
Date: 20070129



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

TUB-test chart IE47 for output specification
17 step colour scale "Q"; *rgb* input data; 2 devices, 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	47.5–66.6	39.0	150	47.5–66.6	39.0	150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	48.8–58.3	34.1	150	47.8–65.5	38.7	149	-0.9	-7.1	4.6	8.6	8.6		ISO/IEC 15775:1999 Annex G	
	3	50.1–49.9	29.3	150	47.5–66.1	38.0	150	-2.5	-16.1	8.7	18.4	18.6		and DIN 33866-1:2000 Annex G	

7 **Regularity**
2 $g^* = 8.5$

9 Leaf green – Magenta red
5 rgb: L – Z – M

2 Mean CIELAB difference (17 steps)

$$5 \quad \Delta H^*_{\text{CIELAB}} = 14.5$$
$$\Delta E^*_{\text{CIELAB}} = 15.3$$

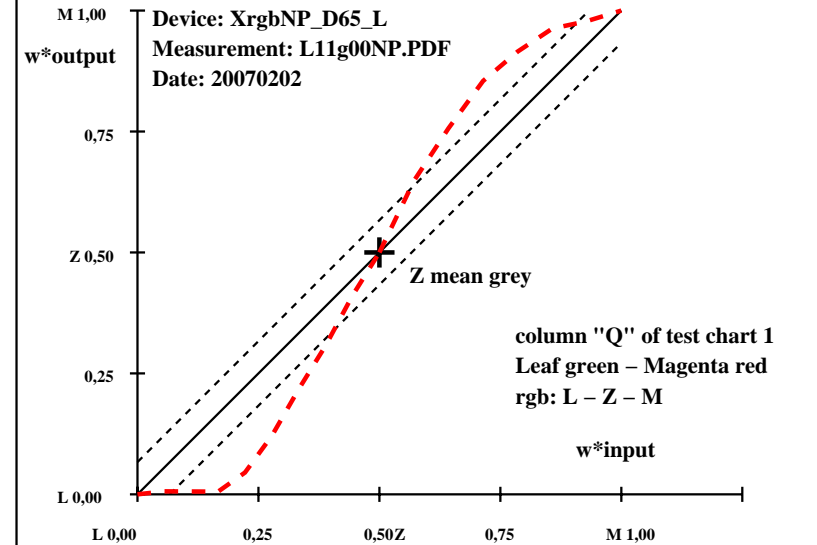
0 Mean CIELAB difference (5 steps)

5 $\Delta H^*_{\text{CIELAB}} = 10.2$
$$\Delta E^*_{\text{CIELAB}} = 10.8$$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

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

Device: XrgbNP_D65_L
Measurement: L11g00NP.PDF
Date: 20070202



IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

input: *rgb (->olv*) setrgbcolor*
output: no change compared to input

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
R	1	36.4	64.1	29.9	25	36.6	60.6	43.8	36
	2	39.7	55.6	49.6	42	80.1	2.0	103.6	89
	3	51.3	40.1	65.4	59	68.2	18.3	86.4	78
	4	64.7	22.0	83.7	75	53.2	39.5	66.1	59
J	5	84.0	-3.7	109.8	92	84.4	-3.9	110.0	92
	6	66.6	-29.3	83.2	109	80.3	-12.7	104.2	97
	7	53.8	-47.7	63.5	127	68.5	-33.4	85.6	111
	8	44.8	-59.1	42.3	145	57.9	-48.4	69.3	125
G	9	48.0	-48.3	15.7	162	44.2	-61.5	48.9	142
	10	50.7	-39.2	-6.5	190	50.6	-48.4	-3.7	184
C	11	52.8	-32.0	-24.1	217	53.9	-29.1	-31.5	227
	12	48.0	-17.0	-35.8	245	43.5	-6.9	-41.4	260
B	13	38.9	1.5	-42.4	272	14.2	52.2	-60.3	311
	14	24.7	30.9	-52.9	300	27.8	65.1	-48.7	323
M	15	30.9	70.3	-43.0	329	38.7	79.5	-34.4	337
	16	37.6	72.0	-4.0	357	37.6	71.9	-15.5	348
R	17	36.4	64.1	29.9	25	35.8	61.1	45.0	36
R	18	36.4	64.1	29.9	25	36.6	60.6	43.8	36
J	19	84.0	-3.7	109.8	92	84.4	-3.9	110.0	92
G	20	48.0	-48.3	15.7	162	44.2	-61.5	48.9	142
B	21	38.9	1.5	-42.4	272	14.2	52.2	-60.3	311
R	22	36.4	64.1	29.9	25	35.8	61.1	45.0	36

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

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

Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 23.8$
 $\Delta E^*_{CIELAB} = 26.9$

Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 20.8$
 $\Delta E^*_{CIELAB} = 25.1$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
R	1	46.3	62.7	29.2	25	46.2	60.2	39.2	33
	2	50.5	52.8	47.1	42	47.0	58.3	45.9	38
	3	59.3	37.6	61.3	58	56.4	41.7	62.8	56
	4	69.2	20.4	77.4	75	75.9	7.2	90.6	85
J	5	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99
	6	77.6	-31.8	90.0	110	76.6	-31.4	88.0	110
	7	62.6	-48.6	64.6	127	55.6	-54.4	52.3	136
	8	50.5	-62.0	44.3	145	48.6	-63.3	41.1	147
G	9	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149
	10	48.4	-42.2	-7.0	190	48.2	-64.4	35.9	151
C	11	49.4	-32.2	-24.2	217	52.1	-16.3	-52.3	253
	12	50.6	-20.8	-43.7	245	46.0	-7.1	-50.1	262
B	13	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271
	14	40.5	21.6	-36.9	300	33.5	19.1	-43.3	294
M	15	42.7	41.0	-25.0	329	46.2	71.5	-6.1	355
	16	46.1	70.7	-3.9	357	46.0	67.5	7.0	6
R	17	46.3	62.7	29.2	25	46.2	60.8	36.4	31
R	18	46.3	62.7	29.2	25	46.2	60.2	39.2	33
J	19	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99
G	20	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149
B	21	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271
R	22	46.3	62.7	29.2	25	46.2	60.8	36.4	31

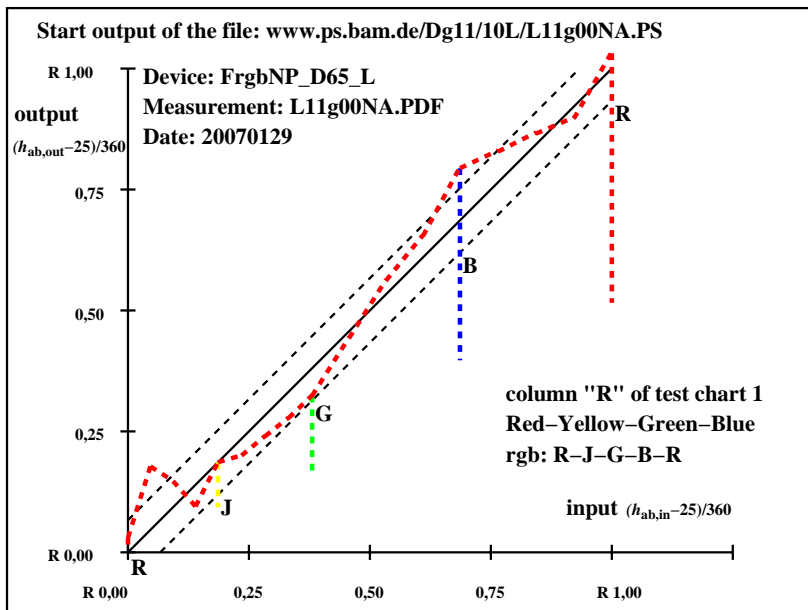
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G

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

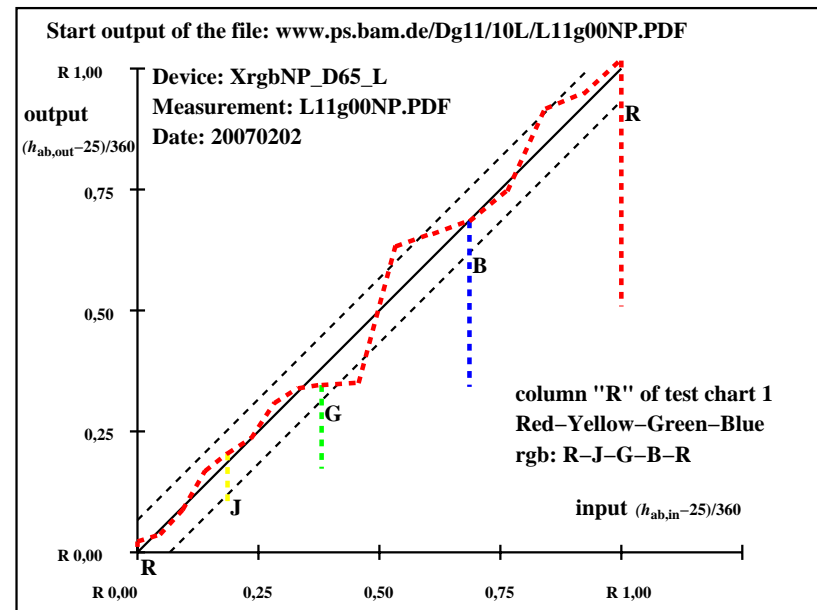
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 14.6$
 $\Delta E^*_{CIELAB} = 15.7$

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

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
R	1	22.5	32.1	14.9	25	24.2	35.8	24.5	34
	2	24.2	27.8	24.8	42	47.6	-2.3	55.8	92
	3	30.0	20.0	32.7	59	40.4	9.2	45.9	79
	4	36.7	11.0	41.8	75	31.9	23.1	34.8	56
J	5	46.3	-1.8	54.9	92	54.9	-14.0	66.1	102
	6	37.6	-14.6	41.6	109	50.9	-23.6	59.8	112
	7	31.2	-23.8	31.7	127	46.5	-32.8	53.0	122
	8	26.7	-29.5	21.1	145	41.8	-42.0	45.4	133
G	9	28.3	-24.1	7.9	162	36.2	-49.6	37.9	143
	10	29.7	-19.5	-3.2	190	38.9	-41.3	5.4	173
C	11	30.7	-15.9	-12.0	217	40.8	-28.6	-15.6	209
	12	28.3	-8.5	-17.9	245	28.3	-1.5	-29.7	267
B	13	23.8	0.7	-21.2	272	11.9	34.7	-43.9	308
	14	16.7	15.5	-26.4	300	18.8	42.6	-38.8	318
M	15	19.8	35.2	-21.4	329	26.0	52.6	-29.9	330
	16	23.1	36.0	-1.9	357	24.5	43.6	-10.0	347
R	17	22.5	32.1	14.9	25	23.0	35.3	23.8	34
R	18	22.5	32.1	14.9	25	24.2	35.8	24.5	34
J	19	46.3	-1.8	54.9	92	54.9	-14.0	66.1	102
G	20	28.3	-24.1	7.9	162	36.2	-49.6	37.9	143
B	21	23.8	0.7	-21.2	272	11.9	34.7	-43.9	308
R	22	22.5	32.1	14.9	25	23.0	35.3	23.8	34

(Red-Yellow-Green-Blue)n
rgb: (R-J-G-B-R)n

Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 21.3$
 $\Delta E^*_{CIELAB} = 23.8$

Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 21.4$
 $\Delta E^*_{CIELAB} = 24.2$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

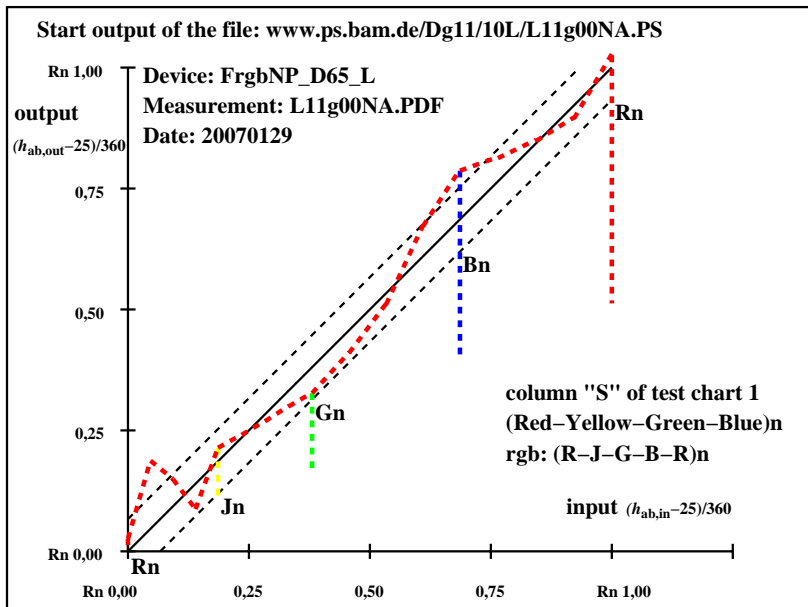
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
R	1	34.0	31.3	14.6	25	35.8	34.4	29.4	41
	2	36.1	26.4	23.6	42	36.9	30.7	31.1	45
	3	40.5	18.8	30.7	58	41.3	20.1	38.2	62
	4	45.5	10.2	38.7	75	51.7	0.1	54.2	90
J	5	52.4	-1.6	49.9	92	59.6	-11.9	66.0	100
	6	49.6	-15.8	45.0	110	55.0	-21.3	57.0	111
	7	42.1	-24.2	32.3	127	45.6	-37.7	39.7	134
	8	36.1	-31.0	22.2	145	40.7	-47.2	30.7	147
G	9	34.2	-28.5	9.3	162	38.5	-49.9	26.9	152
	10	35.0	-21.1	-3.4	190	33.8	-38.0	16.0	157
C	11	35.5	-16.0	-12.1	217	37.0	-19.8	-26.7	233
	12	36.1	-10.4	-21.8	245	32.2	-4.0	-35.3	263
B	13	30.0	0.9	-24.5	272	28.4	1.4	-34.1	272
	14	31.1	10.8	-18.4	300	26.0	15.0	-40.0	291
M	15	32.2	20.5	-12.4	329	30.4	41.8	-20.6	334
	16	33.9	35.4	-1.9	357	31.8	40.2	1.2	2
R	17	34.0	31.3	14.6	25	36.1	34.0	29.6	41
R	18	34.0	31.3	14.6	25	35.8	34.4	29.4	41
J	19	52.4	-1.6	49.9	92	59.6	-11.9	66.0	100
G	20	34.2	-28.5	9.3	162	38.5	-49.9	26.9	152
B	21	30.0	0.9	-24.5	272	28.4	1.4	-34.1	272
R	22	34.0	31.3	14.6	25	36.1	34.0	29.6	41

(Red-Yellow-Green-Blue)n
rgb: (R-J-G-B-R)n

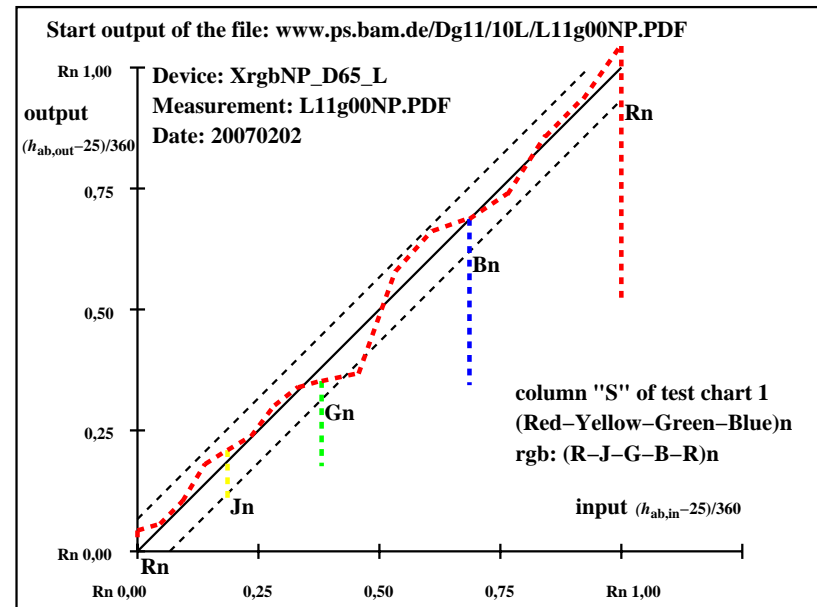
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 15.3$
 $\Delta E^*_{CIELAB} = 16.6$

Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 14.3$
 $\Delta E^*_{CIELAB} = 17.6$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



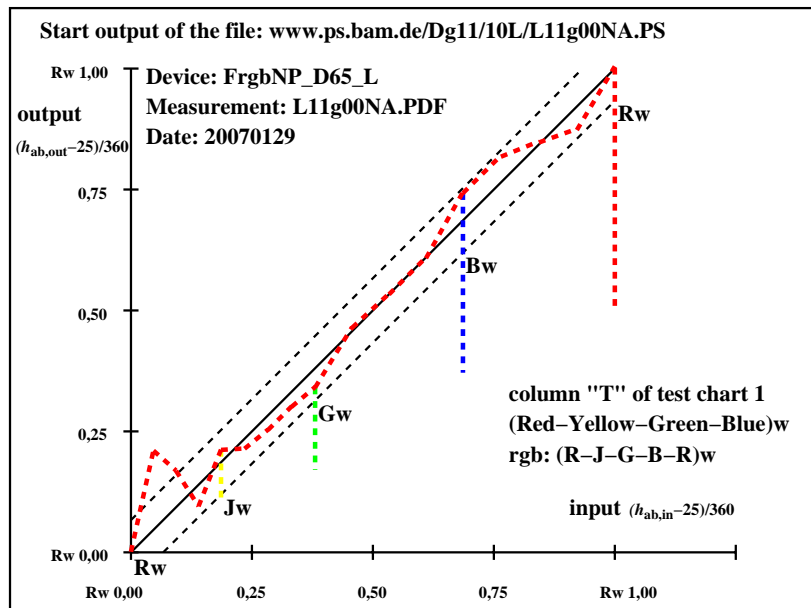
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
Start output S1									
Specification according to									
ISO/IEC 15775:1999 Annex G									
and DIN 33866-1:2000 Annex G									
R	1	64.5	32.1	14.9	25	70.6	25.0	11.9	25
	2	66.2	27.8	24.8	42	90.4	-7.3	39.2	101
	3	72.0	20.0	32.7	59	84.4	2.3	30.8	86
	4	78.7	11.0	41.8	75	77.7	13.1	22.0	59
J	5	88.3	-1.8	54.9	92	90.4	-7.8	39.8	101
	6	79.6	-14.6	41.6	109	90.1	-8.4	39.7	102
	7	73.2	-23.8	31.7	127	86.2	-16.9	34.7	116
	8	68.7	-29.5	21.1	145	80.7	-26.3	28.0	133
G	9	70.3	-24.1	7.9	162	74.9	-33.7	21.4	148
	10	71.7	-19.5	-3.2	190	77.6	-25.1	-5.3	192
C	11	72.7	-15.9	-12.0	217	78.5	-20.5	-15.4	217
	12	70.3	-8.5	-17.9	245	73.2	-10.3	-21.1	244
B	13	65.8	0.7	-21.2	272	60.3	13.5	-32.8	292
	14	58.6	15.5	-26.4	300	68.1	29.4	-25.1	319
M	15	61.8	35.2	-21.4	329	71.2	37.2	-21.4	330
	16	65.1	36.0	-1.9	357	70.5	33.8	-12.7	339
R	17	64.5	32.1	14.9	25	69.4	26.3	12.6	26
R	18	64.5	32.1	14.9	25	70.6	25.0	11.9	25
J	19	88.3	-1.8	54.9	92	90.4	-7.8	39.8	101
G	20	70.3	-24.1	7.9	162	74.9	-33.7	21.4	148
B	21	65.8	0.7	-21.2	272	60.3	13.5	-32.8	292
R	22	64.5	32.1	14.9	25	69.4	26.3	12.6	26
(Red-Yellow-Green-Blue)w									
rgb: (R-J-G-B-R)w									
Mean CIELAB difference (17 steps)									
$\Delta H^*_{CIELAB} = 11.6$									
$\Delta E^*_{CIELAB} = 15.2$									
Mean CIELAB difference (5 steps)									
$\Delta H^*_{CIELAB} = 11.6$									
$\Delta E^*_{CIELAB} = 13.5$									

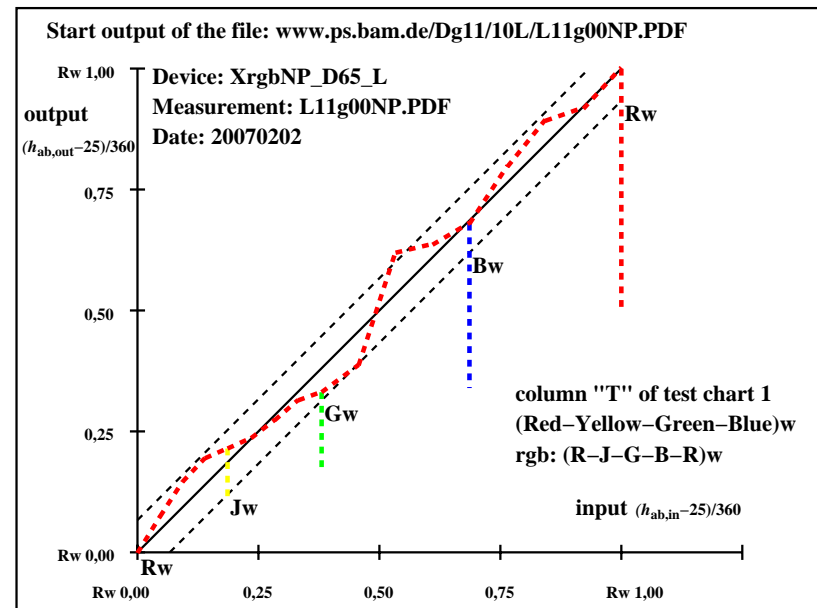
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out-ref	ΔH*	ΔE*	
Start output S1									
Specification according to									
ISO/IEC 15775:1999 Annex G									
and DIN 33866-1:2000 Annex G									
R	1	70.9	31.3	14.6	25	61.7	40.1	18.3	25
	2	73.0	26.4	23.6	42	70.5	23.3	29.4	52
	3	77.4	18.8	30.7	58	78.0	9.4	42.3	77
	4	82.4	10.2	38.7	75	86.6	-4.7	54.9	95
J	5	89.3	-1.6	49.9	92	92.1	-16.1	74.7	102
	6	86.5	-15.8	45.0	110	84.8	-23.4	64.8	110
	7	79.0	-24.2	32.3	127	72.7	-34.2	52.4	123
	8	73.0	-31.0	22.2	145	61.7	-46.1	41.5	138
G	9	71.1	-28.5	9.3	162	56.1	-53.3	38.6	144
	10	71.9	-21.1	-3.4	190	59.5	-43.4	12.4	164
C	11	72.4	-16.0	-12.1	217	60.8	-15.7	-38.9	248
	12	73.0	-10.4	-21.8	245	62.9	-8.2	-28.6	254
B	13	66.9	0.9	-24.5	272	58.8	-0.2	-35.4	270
	14	68.0	10.8	-18.4	300	54.8	23.8	-26.4	312
M	15	69.1	20.5	-12.4	329	61.0	47.4	-11.6	346
	16	70.8	35.4	-1.9	357	59.0	43.8	-3.7	355
R	17	70.9	31.3	14.6	25	63.0	38.0	17.6	25
R	18	70.9	31.3	14.6	25	61.7	40.1	18.3	25
J	19	89.3	-1.6	49.9	92	92.1	-16.1	74.7	102
G	20	71.1	-28.5	9.3	162	56.1	-53.3	38.6	144
B	21	66.9	0.9	-24.5	272	58.8	-0.2	-35.4	270
R	22	70.9	31.3	14.6	25	63.0	38.0	17.6	25
(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)									
$\Delta H^*_{CIELAB} = 17.5$									
$\Delta E^*_{CIELAB} = 19.5$									

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; 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^*
N	1	9.1	0.0	0.2	90	9.1	0.0	0.2
	2	14.4	0.0	0.2	90	14.6	0.3	-1.7
	3	19.6	0.0	0.2	90	21.7	-0.4	-2.7
	4	24.8	0.0	0.2	90	28.4	-1.8	-1.9
	5	30.0	0.0	0.2	90	35.5	-2.1	-2.3
	6	35.3	0.0	0.1	90	41.3	-2.6	-0.4
	7	40.5	0.0	0.1	90	46.8	-2.6	-0.7
	8	45.7	0.0	0.1	90	52.9	-3.7	-0.2
Z	9	51.0	0.0	0.1	90	58.3	-3.7	-0.8
	10	56.2	0.0	0.1	90	63.8	-3.2	-1.2
	11	61.4	0.0	0.1	90	69.8	-1.8	-1.5
	12	66.7	0.0	0.1	90	75.6	-0.8	-1.6
	13	71.9	0.0	0.1	90	81.6	0.0	-1.1
	14	77.1	0.0	0.0	90	87.1	0.0	0.0
	15	82.3	0.0	0.0	90	92.1	-0.6	1.1
	16	87.6	0.0	0.0	90	92.9	0.0	0.0
W	17	92.8	0.0	0.0	0	92.8	0.0	0.0
N	18	9.1	0.0	0.2	90	9.1	0.0	0.2
	19	30.0	0.0	0.2	90	35.5	-2.1	-2.3
Z	20	51.0	0.0	0.1	90	58.3	-3.7	-0.8
	21	71.9	0.0	0.1	90	81.6	0.0	-1.1
W	22	92.8	0.0	0.0	0	92.8	0.0	0.0

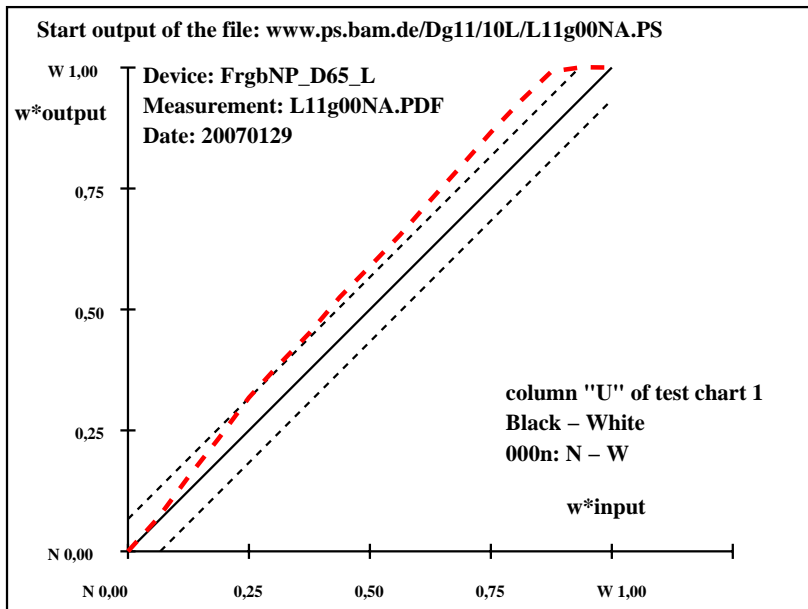
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.81 - 9.12$
Regularity
 $g^* = 42.5$
Lightness gamut relative to offset
 $f^* = 108.1$
Black - White
000n: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 2.1$
 $\Delta E^*_{CIELAB} = 6.3$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 1.7$
 $\Delta E^*_{CIELAB} = 4.9$
Mean colour reproduction index: $R^*_{ab,m} = 72$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

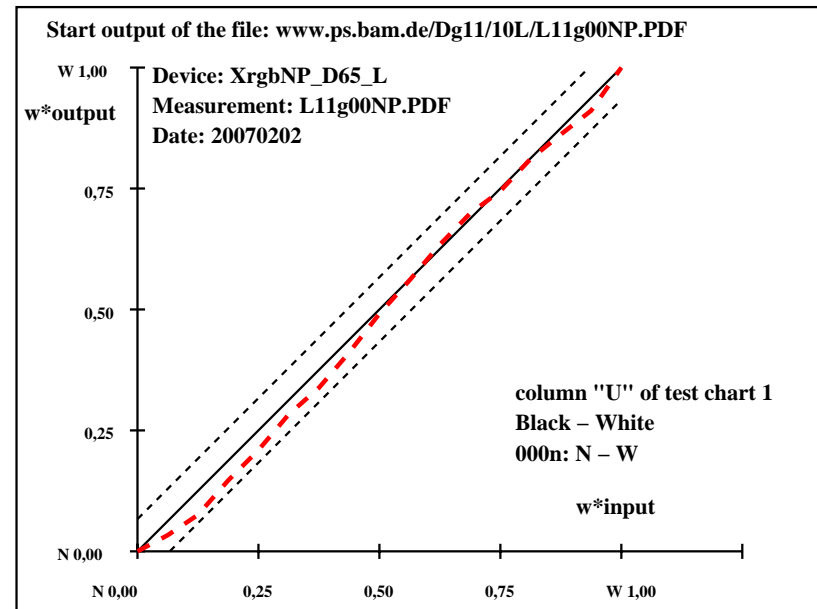
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*
N	1	22.6	0.2	7.1	88	22.6	0.2	7.1
	2	27.2	0.2	6.7	88	25.1	0.3	7.2
	3	31.7	0.2	6.2	88	28.1	0.3	6.9
	4	36.3	0.2	5.8	88	33.3	0.2	6.3
	5	40.8	0.2	5.4	88	37.9	0.2	5.9
	6	45.4	0.1	4.9	88	43.2	0.1	5.3
	7	49.9	0.1	4.5	88	47.2	0.1	4.8
	8	54.5	0.1	4.1	88	52.6	0.1	4.4
Z	9	59.0	0.1	3.7	88	58.4	0.0	3.9
	10	63.6	0.1	3.2	88	63.4	0.1	3.2
	11	68.1	0.1	2.8	88	68.8	0.0	2.7
	12	72.7	0.1	2.4	88	73.5	0.0	2.5
	13	77.2	0.1	1.9	89	76.9	0.1	1.9
	14	81.8	0.0	1.5	89	81.7	0.0	1.6
	15	86.3	0.0	1.1	89	85.4	0.0	1.0
	16	90.9	0.0	0.6	89	88.9	0.0	0.7
W	17	95.4	0.0	0.2	90	95.4	0.0	0.2
N	18	22.6	0.2	7.1	88	22.6	0.2	7.1
	19	40.8	0.2	5.4	88	37.9	0.2	5.9
Z	20	59.0	0.1	3.7	88	58.4	0.0	3.9
	21	77.2	0.1	1.9	89	76.9	0.1	1.9
W	22	95.4	0.0	0.2	90	95.4	0.0	0.2

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.42 - 22.63$
Regularity
 $g^* = 74.4$
Lightness gamut relative to offset
 $f^* = 94.0$
Black - White
000n: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 1.4$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 0.8$
Mean colour reproduction index: $R^*_{ab,m} = 94$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



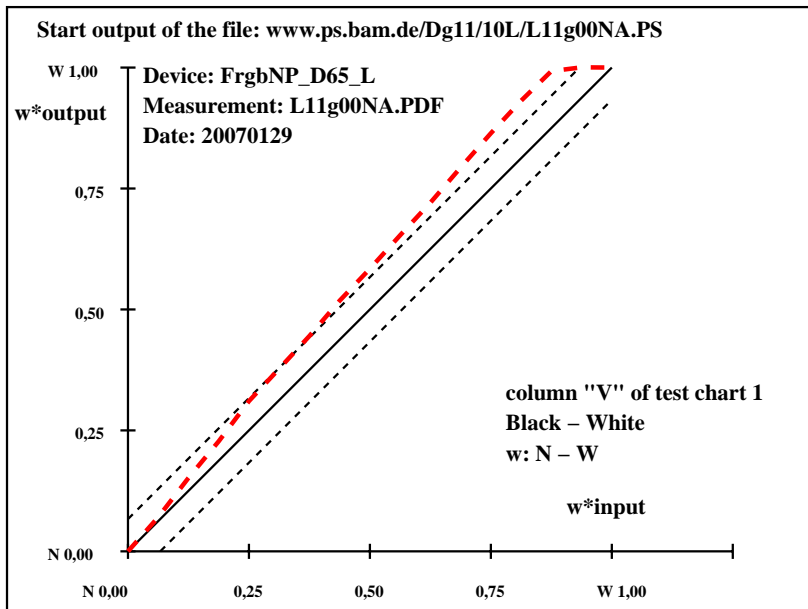
IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	Start output S1						
N	1	8.7	0.0	0.0	0	8.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	Specification according to
	2	13.9	0.0	0.0	0	13.9	0.7	-2.5	285	0.0	0.7	-2.5	2.7	2.7	ISO/IEC 15775:1999 Annex G
	3	19.1	0.0	0.0	0	20.8	-0.2	-3.9	266	1.6	-0.2	-3.9	4.0	4.3	and DIN 33866-1:2000 Annex G
	4	24.4	0.0	0.0	0	27.4	-1.8	-3.0	238	3.0	-1.8	-3.0	3.6	4.7	relative CIELAB data used for "out"
	5	29.6	0.0	0.0	0	34.4	-2.2	-3.4	237	4.7	-2.2	-3.4	4.2	6.3	$\Delta L^* = 92.63 - 8.65$
	6	34.9	0.0	0.0	0	40.2	-2.7	-1.7	213	5.3	-2.7	-1.7	3.3	6.2	Regularity
	7	40.1	0.0	0.0	0	45.9	-3.1	-1.5	207	5.7	-3.1	-1.5	3.6	6.7	$g^* = 44.4$
	8	45.4	0.0	0.0	0	52.0	-3.9	-1.1	197	6.6	-3.9	-1.1	4.2	7.8	
	9	50.6	0.0	0.0	0	57.5	-3.9	-1.5	202	6.9	-3.9	-1.5	4.3	8.1	Lightness gamut relative to offset
	10	55.9	0.0	0.0	0	63.4	-3.1	-1.9	212	7.5	-3.1	-1.9	3.8	8.4	$f^* = 108.5$
Z	11	61.1	0.0	0.0	0	69.1	-1.8	-2.1	229	8.0	-1.8	-2.1	2.9	8.5	
	12	66.4	0.0	0.0	0	75.2	-0.6	-2.1	252	8.9	-0.6	-2.1	2.3	9.1	Black – White
	13	71.6	0.0	0.0	0	81.2	0.1	-1.4	274	9.6	0.1	-1.4	1.5	9.7	w: N – W
	14	76.9	0.0	0.0	0	86.9	0.0	-0.1	270	10.0	0.0	-0.1	0.2	10.0	
	15	82.1	0.0	0.0	0	92.0	-0.7	1.1	126	9.9	-0.7	1.1	1.4	10.0	Mean CIELAB difference (17 steps)
	16	87.4	0.0	0.0	0	92.7	0.0	0.0	0	5.3	0.0	0.0	0.0	5.3	$\Delta H^*_{CIELAB} = 2.5$
	17	92.6	0.0	0.0	0	92.6	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 6.3$
	18	8.7	0.0	0.0	0	8.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	
	19	29.6	0.0	0.0	0	34.4	-2.2	-3.4	237	4.7	-2.2	-3.4	4.2	6.3	
	20	50.6	0.0	0.0	0	57.5	-3.9	-1.5	202	6.9	-3.9	-1.5	4.3	8.1	Mean CIELAB difference (5 steps)
Z	21	71.6	0.0	0.0	0	81.2	0.1	-1.4	274	9.6	0.1	-1.4	1.5	9.7	$\Delta H^*_{CIELAB} = 2.0$
	22	92.6	0.0	0.0	0	92.6	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 4.8$
Mean colour reproduction index:														$R^*_{ab,m} = 72$	

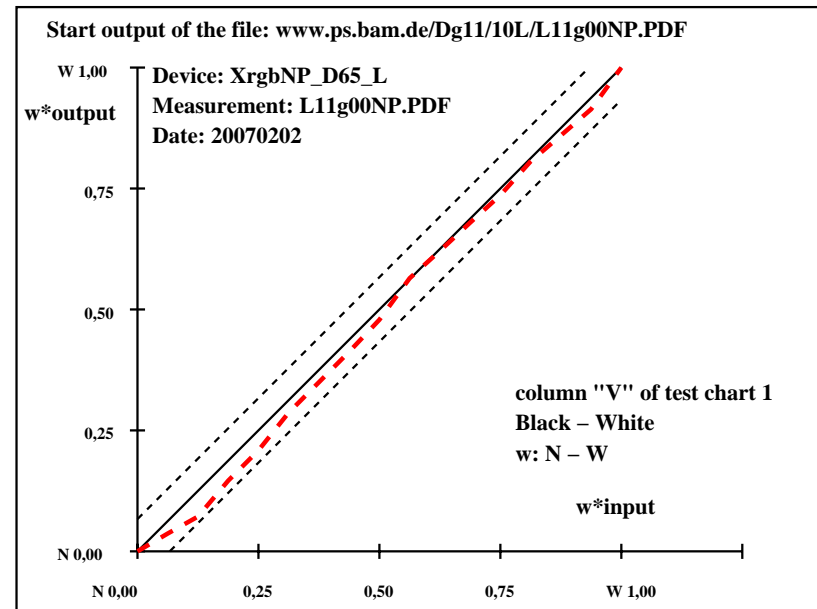
IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

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	0.2	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	$\Delta L^* = 95.51 - 21.27$
	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	
	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
Z	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	0.2	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	$\Delta H^*_{CIELAB} = 0.2$
	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	$\Delta E^*_{CIELAB} = 1.5$
	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	
Z	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	
	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	$\Delta H^*_{CIELAB} = 0.2$
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	$\Delta E^*_{CIELAB} = 1.1$
Mean colour reproduction index: $R^*_{ab,m} = 94$															

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; 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^*	
N	1	9.1	0.0	0.2	90	9.1	0.0	0.2	90
	2	14.4	0.0	0.2	90	14.6	0.3	-1.7	279
	3	19.6	0.0	0.2	90	21.7	-0.4	-2.7	260
	4	24.8	0.0	0.2	90	28.4	-1.8	-1.9	226
	5	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227
	6	35.3	0.0	0.1	90	41.3	-2.6	-0.4	190
	7	40.5	0.0	0.1	90	46.8	-2.6	-0.7	197
	8	45.7	0.0	0.1	90	52.9	-3.7	-0.2	185
Z	9	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193
	10	56.2	0.0	0.1	90	63.8	-3.2	-1.2	202
	11	61.4	0.0	0.1	90	69.8	-1.8	-1.5	220
	12	66.7	0.0	0.1	90	75.6	-0.8	-1.6	242
	13	71.9	0.0	0.1	90	81.6	0.0	-1.1	270
	14	77.1	0.0	0.0	90	87.1	0.0	0.0	270
	15	82.3	0.0	0.0	90	92.1	-0.6	1.1	122
	16	87.6	0.0	0.0	90	92.9	0.0	0.0	0
W	17	92.8	0.0	0.0	0	92.8	0.0	0.0	0
N	18	9.1	0.0	0.2	90	9.1	0.0	0.2	90
	19	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227
Z	20	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193
	21	71.9	0.0	0.1	90	81.6	0.0	-1.1	270
W	22	92.8	0.0	0.0	0	92.8	0.0	0.0	0

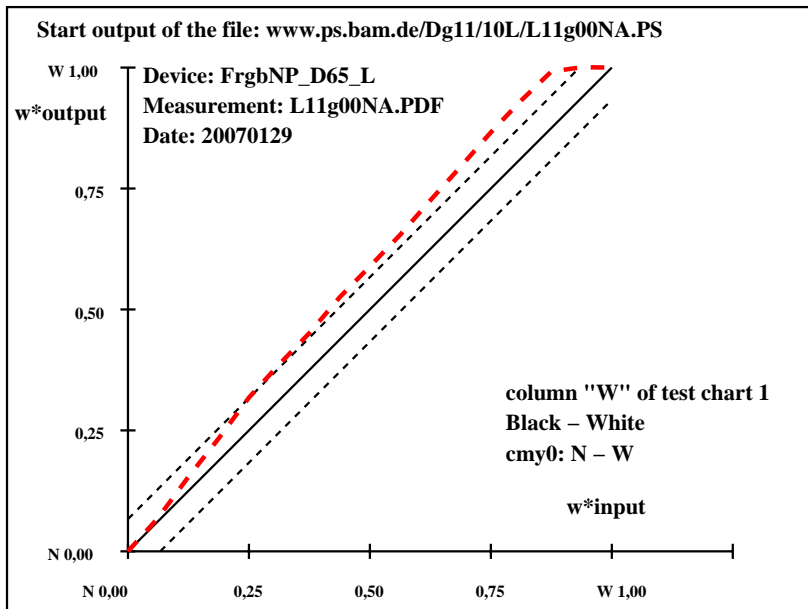
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.81 - 9.12$
Regularity
 $g^* = 42.5$
Lightness gamut relative to offset
 $f^* = 108.1$
Black - White
cmy0: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 2.1$
 $\Delta E^*_{CIELAB} = 6.3$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 1.7$
 $\Delta E^*_{CIELAB} = 4.9$
Mean colour reproduction index: $R^*_{ab,m} = 72$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

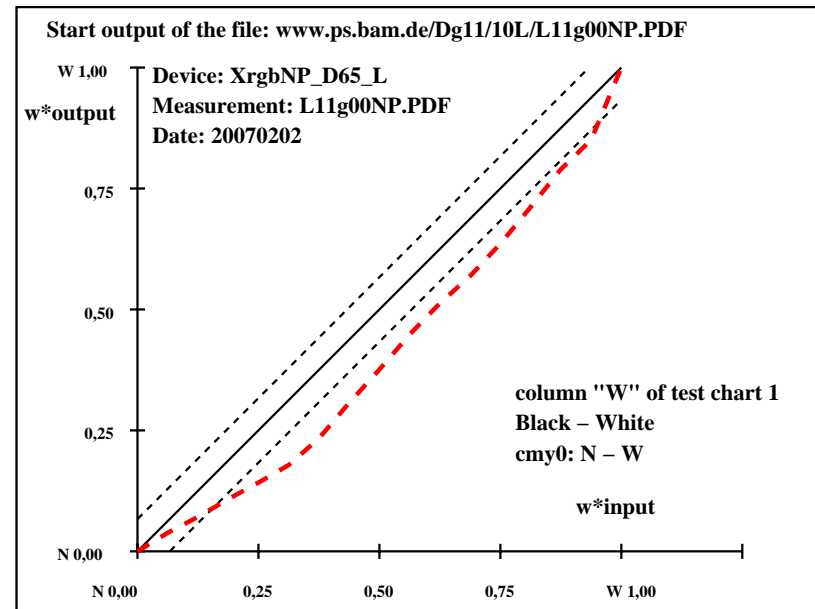
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
N	1	26.9	0.0	0.0	0	26.9	0.0	0.0	0
	2	31.2	0.0	0.0	0	29.2	-0.6	1.1	122
	3	35.5	0.0	0.0	0	31.4	-1.5	1.0	148
	4	39.8	0.0	0.0	0	34.1	-1.7	0.5	164
	5	44.1	0.0	0.0	0	36.2	-1.9	2.0	135
	6	48.3	0.0	0.0	0	38.8	-1.7	2.1	131
	7	52.6	0.0	0.0	0	42.6	-1.3	3.0	115
	8	56.9	0.0	0.0	0	47.3	-2.5	4.6	119
Z	9	61.2	0.0	0.0	0	51.9	-1.7	6.1	106
	10	65.5	0.0	0.0	0	56.7	-1.3	7.2	101
	11	69.7	0.0	0.0	0	61.3	-0.7	7.2	96
	12	74.0	0.0	0.0	0	65.4	-0.8	6.5	98
	13	78.3	0.0	0.0	0	70.0	-0.3	6.3	94
	14	82.6	0.0	0.0	0	75.3	-0.1	5.9	92
	15	86.9	0.0	0.0	0	80.8	-1.2	5.2	104
	16	91.1	0.0	0.0	0	85.1	0.3	1.9	81
W	17	95.4	0.0	0.0	0	95.4	0.0	0.0	0
N	18	26.9	0.0	0.0	0	26.9	0.0	0.0	0
	19	44.1	0.0	0.0	0	36.2	-1.9	2.0	135
Z	20	61.2	0.0	0.0	0	51.9	-1.7	6.1	106
	21	78.3	0.0	0.0	0	70.0	-0.3	6.3	94
W	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.41 - 26.94$
Regularity
 $g^* = 36.6$
Lightness gamut relative to offset
 $f^* = 88.5$
Black - White
cmy0: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 3.9$
 $\Delta E^*_{CIELAB} = 7.7$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 3.1$
 $\Delta E^*_{CIELAB} = 6.0$
Mean colour reproduction index: $R^*_{ab,m} = 66$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; 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^*	
N	1	8.7	0.0	0.0	0	8.7	0.0	0.0	0
	2	13.9	0.0	0.0	0	13.9	0.7	-2.5	285
	3	19.1	0.0	0.0	0	20.8	-0.2	-3.9	266
	4	24.4	0.0	0.0	0	27.4	-1.8	-3.0	238
	5	29.6	0.0	0.0	0	34.4	-2.2	-3.4	237
	6	34.9	0.0	0.0	0	40.2	-2.7	-1.7	213
	7	40.1	0.0	0.0	0	45.9	-3.1	-1.5	207
	8	45.4	0.0	0.0	0	52.0	-3.9	-1.1	197
Z	9	50.6	0.0	0.0	0	57.5	-3.9	-1.5	202
	10	55.9	0.0	0.0	0	63.4	-3.1	-1.9	212
	11	61.1	0.0	0.0	0	69.1	-1.8	-2.1	229
	12	66.4	0.0	0.0	0	75.2	-0.6	-2.1	252
	13	71.6	0.0	0.0	0	81.2	0.1	-1.4	274
	14	76.9	0.0	0.0	0	86.9	0.0	-0.1	270
	15	82.1	0.0	0.0	0	92.0	-0.7	1.1	126
	16	87.4	0.0	0.0	0	92.7	0.0	0.0	0
W	17	92.6	0.0	0.0	0	92.6	0.0	0.0	0
N	18	8.7	0.0	0.0	0	8.7	0.0	0.0	0
	19	29.6	0.0	0.0	0	34.4	-2.2	-3.4	237
Z	20	50.6	0.0	0.0	0	57.5	-3.9	-1.5	202
	21	71.6	0.0	0.0	0	81.2	0.1	-1.4	274
W	22	92.6	0.0	0.0	0	92.6	0.0	0.0	0

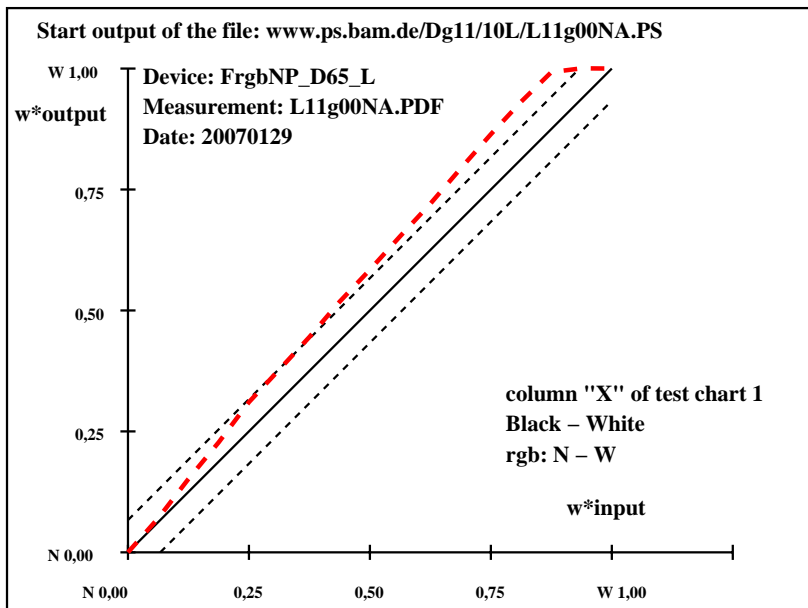
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 92.63 - 8.65$
Regularity
 $g^* = 44.4$
Lightness gamut relative to offset
 $f^* = 108.5$
Black - White
rgb: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 2.5$
 $\Delta E^*_{CIELAB} = 6.3$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 2.0$
 $\Delta E^*_{CIELAB} = 4.8$
Mean colour reproduction index: $R^*_{ab,m} = 72$

IE470-3N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129

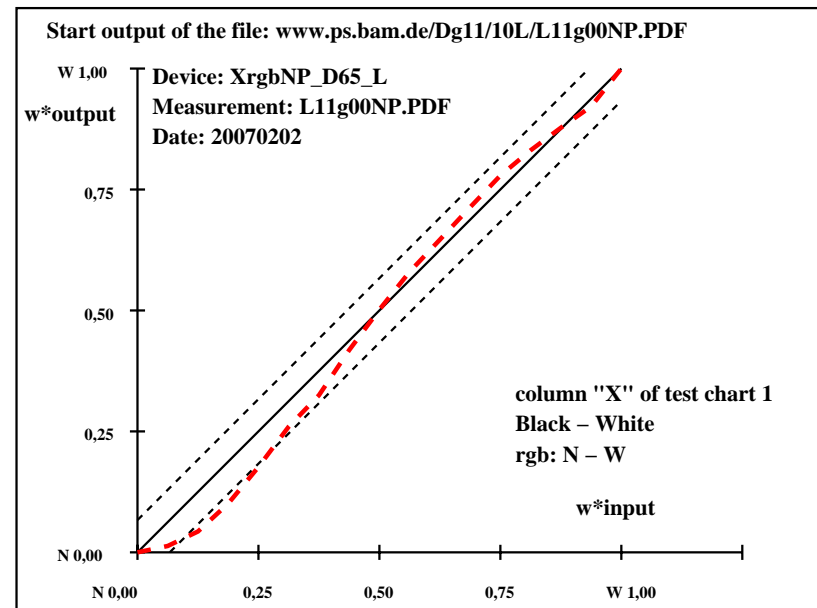
T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH^*	ΔE^*	
N	1	21.7	0.0	0.0	0	21.7	0.0	0.0	0
	2	26.3	0.0	0.0	0	22.6	0.0	0.0	0
	3	30.9	0.0	0.0	0	24.8	0.0	0.1	90
	4	35.5	0.0	0.0	0	29.1	0.0	0.0	0
	5	40.1	0.0	0.0	0	34.7	0.0	0.0	0
	6	44.7	0.0	0.0	0	40.8	0.0	0.0	0
	7	49.3	0.0	0.0	0	45.6	0.0	0.2	90
	8	53.9	0.0	0.0	0	52.5	0.0	0.1	90
Z	9	58.6	0.0	0.0	0	58.7	0.0	0.2	90
	10	63.2	0.0	0.0	0	64.5	0.0	0.2	90
	11	67.8	0.0	0.0	0	69.4	0.0	0.2	90
	12	72.4	0.0	0.0	0	74.3	0.0	0.2	90
	13	77.0	0.0	0.0	0	79.1	0.0	0.1	90
	14	81.6	0.0	0.0	0	83.0	0.0	0.0	0
	15	86.2	0.0	0.0	0	86.4	0.0	0.1	90
	16	90.8	0.0	0.0	0	89.7	0.0	0.2	90
W	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0
N	18	21.7	0.0	0.0	0	21.7	0.0	0.0	0
	19	40.1	0.0	0.0	0	34.7	0.0	0.0	0
Z	20	58.6	0.0	0.0	0	58.7	0.0	0.2	90
	21	77.0	0.0	0.0	0	79.1	0.0	0.1	90
W	22	95.5	0.0	0.0	0	95.5	0.0	0.0	0

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.46 - 21.66$
Regularity
 $g^* = 54.2$
Lightness gamut relative to offset
 $f^* = 95.3$
Black - White
rgb: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 0.1$
 $\Delta E^*_{CIELAB} = 2.4$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 0.1$
 $\Delta E^*_{CIELAB} = 1.6$
Mean colour reproduction index: $R^*_{ab,m} = 90$

IE471-3N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202



IE470-7N, ; Device: FrgbNP_D65_L; Measurement: L11g00NA.PDF; Date: 20070129



IE471-7N, ; Device: XrgbNP_D65_L; Measurement: L11g00NP.PDF; Date: 20070202