

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$	
R <sub>d</sub>	1	35.9	60.7	44.5	36	35.9	60.7	44.5	36
	2	39.5	56.9	41.7	36	40.2	58.0	36.9	32
	3	43.0	53.1	39.0	36	45.1	53.5	29.9	29
	4	46.6	49.3	36.2	36	49.9	48.2	26.2	29
	5	50.1	45.5	33.4	36	54.4	43.2	21.4	26
	6	53.7	41.7	30.6	36	58.0	38.5	20.0	27
	7	57.2	37.9	27.9	36	61.6	34.7	16.8	26
	8	60.8	34.1	25.1	36	65.9	29.7	14.8	26
Z <sub>d</sub>	9	64.3	30.3	22.3	36	69.8	25.4	12.6	26
	10	67.9	26.5	19.5	36	73.7	21.2	10.2	26
	11	71.4	22.7	16.8	36	77.6	17.1	7.5	24
	12	75.0	18.9	14.0	36	81.3	13.1	5.2	22
	13	78.5	15.1	11.2	37	85.0	8.9	3.2	20
	14	82.1	11.3	8.4	37	88.7	4.5	2.1	25
	15	85.6	7.5	5.6	37	92.1	0.0	1.5	90
	16	89.2	3.7	2.9	38	92.6	0.0	0.1	90
W <sub>d</sub>	17	92.7	0.0	0.1	135	92.7	0.0	0.1	135
R <sub>d</sub>	18	35.9	60.7	44.5	36	35.9	60.7	44.5	36
	19	50.1	45.5	33.4	36	54.4	43.2	21.4	26
Z <sub>d</sub>	20	64.3	30.3	22.3	36	69.8	25.4	12.6	26
	21	78.5	15.1	11.2	37	85.0	8.9	3.2	20
W <sub>d</sub>	22	92.7	0.0	0.1	135	92.7	0.0	0.1	135

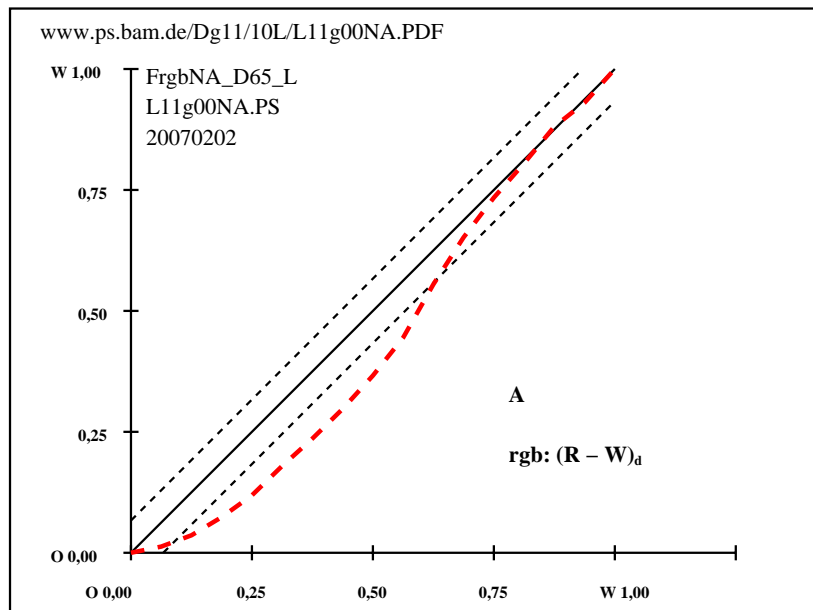
$\Delta L^* = 92.71 - 35.94$   
 $g^* = 41.7$   
 $f^* = 73.3$   
**rgb: (R - W)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 8.6$   
 $\Delta E^*_{CIELAB} = 9.6$   
 $\Delta H^*_{CIELAB} = 6.6$   
 $\Delta E^*_{CIELAB} = 7.4$   
 $R^*_{ab,m} = 58$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

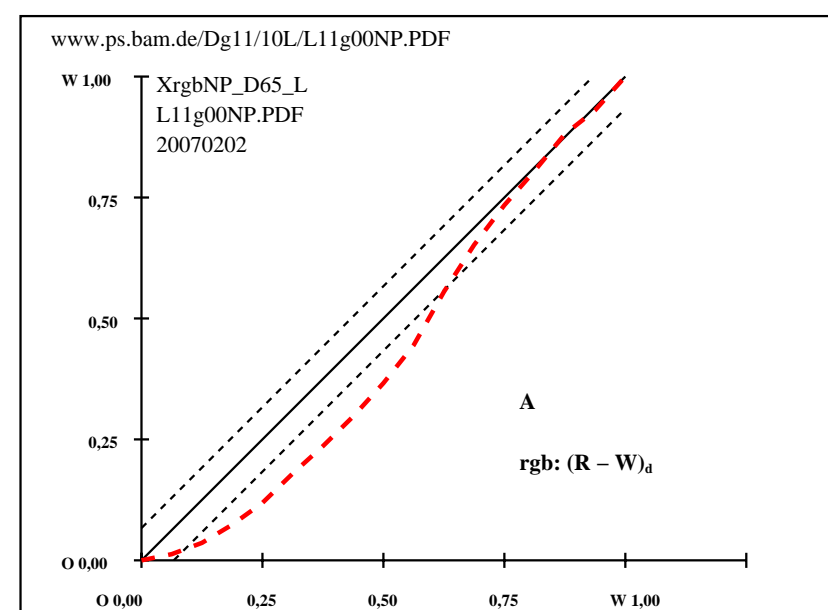
	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$	
R <sub>d</sub>	1	46.3	60.0	40.4	34	46.3	60.0	40.0	0.0
	2	49.4	56.3	37.9	34	46.3	60.2	39.3	33
	3	52.4	52.5	35.4	34	46.2	60.6	37.3	32
	4	55.5	48.8	32.8	34	47.1	60.0	34.0	30
	5	58.6	45.0	30.3	34	48.6	58.4	30.4	27
	6	61.7	41.3	27.8	34	50.7	55.6	26.0	25
	7	64.7	37.5	25.3	34	53.3	51.8	22.8	24
	8	67.8	33.8	22.7	34	56.9	46.7	20.7	24
Z <sub>d</sub>	9	70.9	30.0	20.2	34	60.7	41.1	18.9	25
	10	73.9	26.3	17.7	34	64.9	34.8	17.4	27
	11	77.0	22.5	15.2	34	70.6	27.0	14.4	28
	12	80.1	18.8	12.6	34	75.6	21.2	10.6	27
	13	83.1	15.0	10.1	34	80.1	15.9	8.3	28
	14	86.2	11.3	7.6	34	84.1	11.4	6.3	29
	15	89.3	7.5	5.0	34	88.4	6.7	4.0	31
	16	92.3	3.8	2.5	34	90.0	3.2	1.9	31
W <sub>d</sub>	17	95.4	0.0	0.0	0	95.4	0.0	0.0	0
R <sub>d</sub>	18	46.3	60.0	40.4	34	46.3	60.0	40.4	34
	19	58.6	45.0	30.3	34	48.6	58.4	30.4	27
Z <sub>d</sub>	20	70.9	30.0	20.2	34	60.7	41.1	18.9	25
	21	83.1	15.0	10.1	34	80.1	15.9	8.3	28
W <sub>d</sub>	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0

<

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



A"; rgb1/24



entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
Y <sub>d</sub>	1	84.3	-4.1	110.2	92	84.3	-4.1	110.2	92	0.0	0.0	0.0	0.0	0.0
	2	84.8	-3.8	103.3	92	85.7	-5.9	98.1	93	0.9	-2.0	-5.1	5.6	5.7
	3	85.3	-3.6	96.4	92	86.8	-7.5	85.9	95	1.5	-3.8	-10.4	11.2	11.3
	4	85.8	-3.3	89.5	92	87.5	-8.3	77.2	96	1.7	-4.9	-12.2	13.3	13.4
	5	86.3	-3.0	82.6	92	88.2	-8.6	67.4	97	1.8	-5.5	-15.1	16.2	16.3
	6	86.9	-2.8	75.8	92	88.5	-8.6	61.7	98	1.6	-5.7	-14.0	15.2	15.3
	7	87.4	-2.5	68.9	92	89.0	-8.5	54.3	99	1.6	-5.9	-14.5	15.8	15.8
	8	87.9	-2.3	62.0	92	89.5	-8.1	46.9	100	1.6	-5.7	-15.0	16.2	16.3
Z <sub>d</sub>	9	88.4	-2.0	55.1	92	90.1	-7.8	40.1	101	1.6	-5.7	-14.9	16.1	16.2
	10	88.9	-1.7	48.2	92	90.5	-6.9	33.3	102	1.5	-5.1	-14.8	15.8	15.9
	11	89.5	-1.5	41.3	92	91.0	-6.0	25.6	103	1.5	-4.4	-15.6	16.4	16.4
	12	90.0	-1.2	34.4	92	91.5	-4.7	18.6	104	1.5	-3.4	-15.7	16.2	16.3
	13	90.5	-1.0	27.6	92	91.9	-3.2	12.0	105	1.4	-2.2	-15.5	15.7	15.8
	14	91.0	-0.7	20.7	92	92.2	-1.8	6.5	106	1.2	-1.0	-14.1	14.2	14.3
	15	91.5	-0.4	13.8	92	92.5	-0.6	2.0	109	1.0	-0.1	-11.7	11.8	11.8
	16	92.1	-0.2	6.9	92	92.6	0.0	0.1	90	0.5	0.3	-6.7	6.8	6.8
W <sub>d</sub>	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
Y <sub>d</sub>	18	84.3	-4.1	110.2	92	84.3	-4.1	110.2	92	0.0	0.0	0.0	0.0	0.0
	19	86.3	-3.0	82.6	92	88.2	-8.6	67.4	97	1.8	-5.5	-15.1	16.2	16.3
	20	88.4	-2.0	55.1	92	90.1	-7.8	40.1	101	1.6	-5.7	-14.9	16.1	16.2
Z <sub>d</sub>	21	90.5	-1.0	27.6	92	91.9	-3.2	12.0	105	1.4	-2.2	-15.5	15.7	15.8
	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

$\Delta L^* = 92.58 - 84.27$

$g^* = 18.5$

$f^* = 10.7$

rgb: (Y - W)<sub>d</sub>

$\Delta H^*_{CIELAB} = 12.1$

$\Delta E^*_{CIELAB} = 12.2$

$\Delta H^*_{CIELAB} = 9.6$

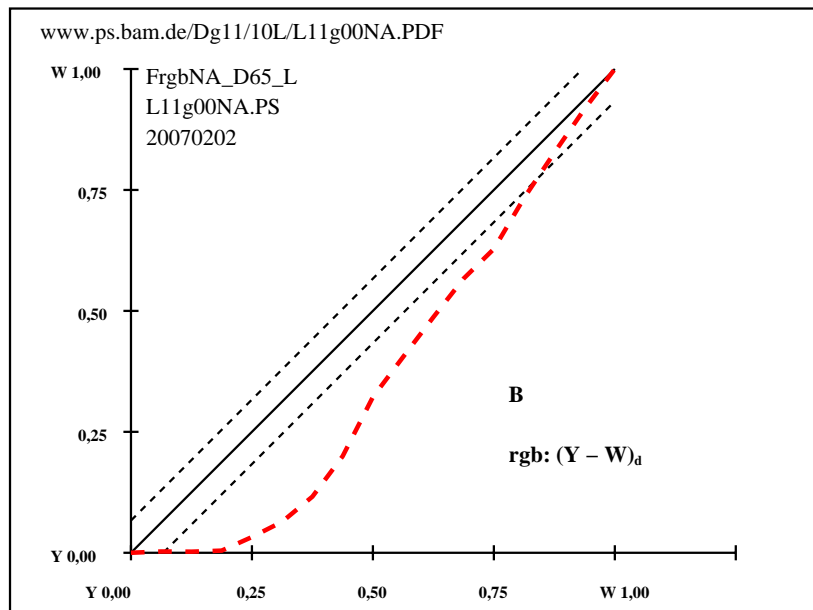
$\Delta E^*_{CIELAB} = 9.7$

$R^*_{ab,m} = 47$

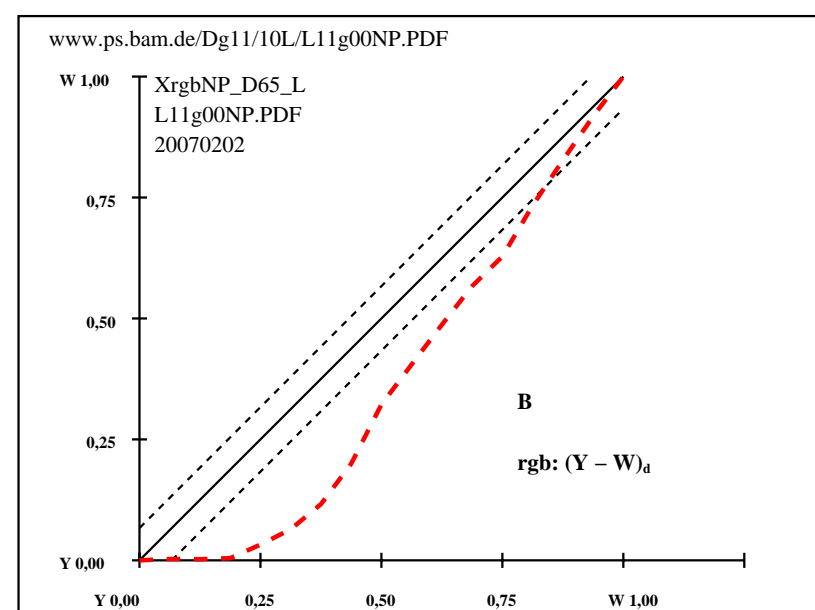
AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

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

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

B"; rgb2/24

vea archivos semejantes: <http://farbe.li.tu-berlin.de/AF82/AF82L0NA.PDF>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmeterik>

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
G <sub>d</sub>	1	44.0-61.7	48.5	142	44.0-61.7	48.5	142	0.0	0.0	0.0	0.0			
	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		
	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		
	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		
	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		
	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		
	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		
	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		
Z <sub>d</sub>	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		
	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		
	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		
	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		
	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
	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
W <sub>d</sub>	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
G <sub>d</sub>	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		
Z <sub>d</sub>	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		
	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		
W <sub>d</sub>	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

$\Delta L^* = 92.64 - 44.04$

$g^* = 27.4$

$f^* = 62.8$

rgb: (G - W)<sub>d</sub>

$\Delta H^*_{CIELAB} = 4.4$

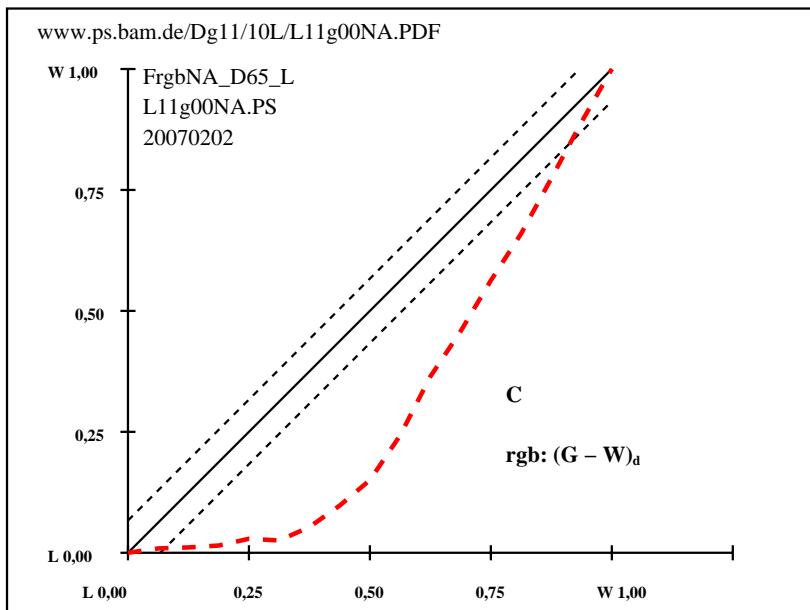
$\Delta E^*_{CIELAB} = 6.6$

$\Delta H^*_{CIELAB} = 3.2$

$\Delta E^*_{CIELAB} = 4.9$

$R^*_{ab,m} = 71$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

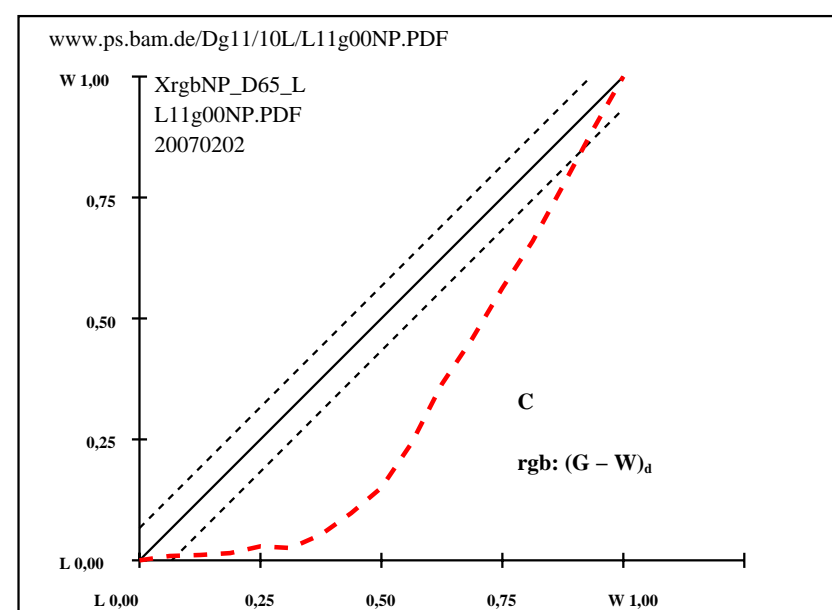


AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

C"; rgb3/24

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$							
G <sub>d</sub>	1	45.7-67.4	36.2	152	45.7-67.4	36.2	152	0.0	0.0	0.0	0.0				
	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			
	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			
	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	<i>CIELAB</i>			
	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	$\Delta L^* = 95.52 - 45.71$			
	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				
	7	64.4-42.1	22.7	152	47.4-63.4	38.4	149	-16.9-21.2	15.7	26.5	31.5	$g^* = 0.6$			
	8	67.5-37.9	20.4	152	49.9-60.0	38.8	147	-17.5-22.0	18.4	28.8	33.7				
Z <sub>d</sub>	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				
	10	73.7-29.4	15.9	152	57.2-49.9	28.9	150	-16.4-20.4	13.0	24.3	29.4	$f^* = 64.4$			
	11	76.8-25.2	13.6	152	62.1-42.0	22.3	152	-14.6-16.7	8.7	18.9	24.0				
	12	80.0-21.0	11.4	152	67.6-35.2	20.9	149	-12.3-14.1	9.5	17.1	21.1				
	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	<b>rgb: (G - W)<sub>d</sub></b>			
	14	86.2-12.6	6.9	152	80.4-21.0	19.7	137	-5.7-8.3	12.8	15.4	16.4				
	15	89.3-8.3	4.6	151	85.8-14.1	12.7	138	-3.4-5.7	8.1	9.9	10.5				
	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	$\Delta H^*_{CIELAB} = 15.0$			
W <sub>d</sub>	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	$\Delta E^*_{CIELAB} = 17.9$
G <sub>d</sub>	18	45.7-67.4	36.2	152	45.7-67.4	36.2	152	0.0	0.0	0.0	0.0	0.0			
	19	58.2-50.5	27.2	152	45.8-65.0	37.3	150	-12.2-14.4	10.1	17.7	21.5				
Z <sub>d</sub>	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				
	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	$\Delta H^*_{CIELAB} = 12.3$			
W <sub>d</sub>	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	$\Delta E^*_{CIELAB} = 14.6$
$R^*_{ab,m} = 21$															

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...  
salida: ->rgb<sub>dd</sub> setrgbcolor

TUB matrícula: 20160501-AF82/AF82L0NA.TXT /.PS  
aplicación para la medida de display output

TUB material: code=rh4ta

T	i	LAB*a.ref	hab.ref	LAB*a.out	hab.out	LAB*a.out/c-ref	$\Delta H^*$	$\Delta E^*$	
C <sub>d</sub>	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
Z <sub>d</sub>	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 <sub>d</sub>	17	92.6	0.0	0.0	0	92.6	0.0	0.0	0
C <sub>d</sub>	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
Z <sub>d</sub>	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 <sub>d</sub>	22	92.6	0.0	0.0	0	92.6	0.0	0.0	0

$\Delta L^* = 92.62 - 53.73$

$g^* = 27.5$

$f^* = 50.2$

rgb: (C - W)<sub>d</sub>

$\Delta H^*_{CIELAB} = 4.0$

$\Delta E^*_{CIELAB} = 5.7$

$\Delta H^*_{CIELAB} = 2.9$

$\Delta E^*_{CIELAB} = 4.3$

$R^*_{ab,m} = 75$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	ΔH* ΔE*	
C <sub>d</sub>	1	51.2-15.7-52.5	253	51.2-15.7-52.5	253	0.0	0.0	0.0
	2	53.9-14.7-49.2	253	51.0-15.5-52.8	254	-2.8	-0.7	-3.5 3.7 4.7
	3	56.7-13.7-45.9	253	50.8-15.2-52.8	254	-5.8	-1.4	-6.8 7.0 9.2
	4	59.5-12.7-42.7	253	51.1-15.3-52.7	254	-8.3	-2.5	-9.9 10.4 13.3
	5	62.2-11.8-39.4	253	51.7-15.6-52.4	253	-10.4	-3.7	-12.9 13.6 17.2
	6	65.0-10.8-36.1	253	52.7-16.2-51.3	252	-12.2	-5.3	-15.1 16.1 20.3
	7	67.7-9.8-32.8	253	55.1-16.2-48.9	252	-12.5	-6.3	-16.0 17.3 21.4
	8	70.5-8.8-29.5	253	57.0-16.3-45.4	250	-13.4	-7.4	-15.8 17.6 22.1
Z <sub>d</sub>	9	73.3-7.8-26.3	253	58.6-15.8-40.9	249	-14.6	-7.9	-14.6 16.7 22.2
	10	76.0-6.8-23.0	253	60.9-15.4-36.7	247	-15.0	-8.5	-13.6 16.2 22.1
	11	78.8-5.8-19.7	253	64.9-13.8-30.9	246	-13.8	-7.9	-11.1 13.8 19.6
	12	81.6-4.8-16.4	253	68.6-12.1-26.3	245	-12.9	-7.2	-9.8 12.3 17.9
	13	84.3-3.9-13.1	253	74.3-10.3-21.2	244	-9.9	-6.4	-8.0 10.3 14.4
	14	87.1-2.9-9.8	253	81.0-8.3-15.4	242	-6.0	-5.3	-5.5 7.8 9.9
	15	89.9-1.9-6.6	253	87.0-5.8-9.9	239	-2.7	-3.8	-3.2 5.2 5.9
	16	92.6-0.9-3.3	254	91.1-3.2-5.5	239	-1.5	-2.2	-2.1 3.2 3.6
W <sub>d</sub>	17	95.4 0.0 0.0	270	95.4 0.0 0.0	270	0.0 0.0 0.0	0.0 0.0 0.0	
C <sub>d</sub>	18	51.2-15.7-52.5	253	51.2-15.7-52.5	253	0.0	0.0	0.0
	19	62.2-11.8-39.4	253	51.7-15.6-52.4	253	-10.4	-3.7	-12.9 13.6 17.2
Z <sub>d</sub>	20	73.3-7.8-26.3	253	58.6-15.8-40.9	249	-14.6	-7.9	-14.6 16.7 22.2
	21	84.3-3.9-13.1	253	74.3-10.3-21.2	244	-9.9	-6.4	-8.0 10.3 14.4
W <sub>d</sub>	22	95.4 0.0 0.0	270	95.4 0.0 0.0	270	0.0 0.0 0.0	0.0 0.0 0.0	

CIELAB

ΔL\* = 95.39 - 51.16

g\* = 2.5

f\* = 57.1

rgb: (C - W)<sub>d</sub>

ΔH\*<sub>CIELAB</sub> = 10.1

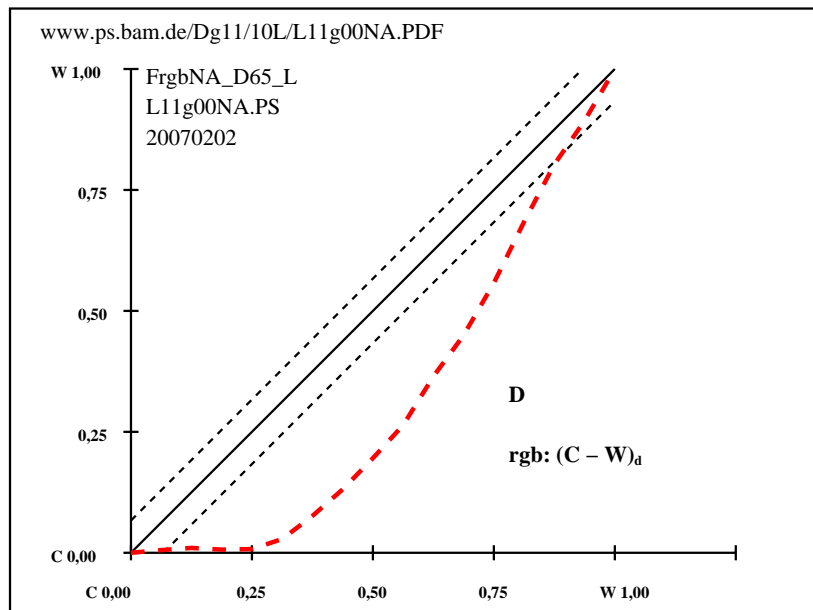
ΔE\*<sub>CIELAB</sub> = 13.2

ΔH\*<sub>CIELAB</sub> = 8.1

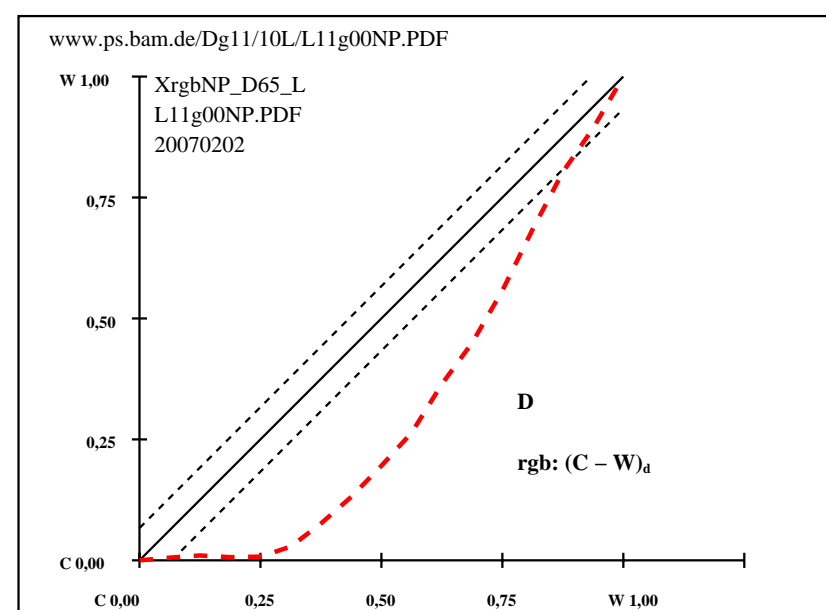
ΔE\*<sub>CIELAB</sub> = 10.8

R\*<sub>ab,m</sub> = 42

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

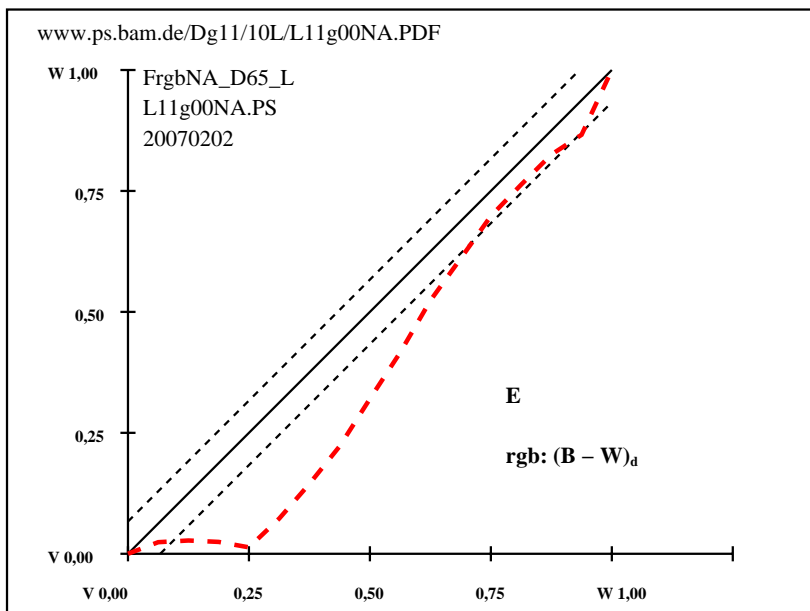
salida: ->rgb<sub>dd</sub> setrgbcolor

D"; rgb4/24

vea archivos semejantes: <http://farbe.li.tu-berlin.de/AF82/AF82.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmtechnik>

T	i	LAB*a <sub>ref</sub>	hab <sub>ref</sub>	LAB*a <sub>out</sub>	hab <sub>out</sub>	LAB*a <sub>out</sub> /c-ref	ΔH* ΔE*								
B <sub>d</sub>	1	14.6	51.7	-60.3	311	14.6	51.7	-60.3	311	0.0	0.0	0.0	0.0	0.0	
	2	19.5	48.5	-56.5	311	20.0	46.6	-59.4	308	0.5	-1.8	-2.8	3.4	3.5	
	3	24.3	45.2	-52.8	311	26.5	39.6	-56.5	305	2.1	-5.5	-3.6	6.8	7.1	
	4	29.2	42.0	-49.0	311	32.8	33.1	-52.8	302	3.6	-8.8	-3.7	9.7	10.3	<i>CIELAB</i>
	5	34.1	38.8	-45.2	311	38.8	28.0	-49.0	300	4.7	-10.7	-3.7	11.4	12.4	ΔL* = 92.7 - 14.57
	6	39.0	35.5	-41.4	311	44.5	23.9	-45.1	298	5.5	-11.5	-3.6	12.2	13.4	
	7	43.9	32.3	-37.7	311	49.3	20.5	-41.4	296	5.4	-11.7	-3.7	12.4	13.5	g* = 44.2
	8	48.8	29.1	-33.9	311	55.0	16.2	-37.0	294	6.2	-12.8	-3.0	13.3	14.6	
	9	53.6	25.9	-30.1	311	60.0	13.0	-33.0	291	6.4	-12.8	-2.8	13.2	14.6	
	10	58.5	22.6	-26.3	311	65.4	10.5	-28.5	290	6.8	-12.0	-2.1	12.3	14.1	f* = 100.9
Z <sub>d</sub>	11	63.4	19.4	-22.6	311	70.9	8.1	-23.5	289	7.4	-11.2	-0.8	11.3	13.6	
	12	68.3	16.2	-18.8	311	76.3	6.2	-18.3	289	8.0	-9.9	0.5	10.0	12.8	
	13	73.2	12.9	-15.0	311	82.0	4.4	-12.4	289	8.8	-8.4	2.6	8.9	12.5	rgb: (B - W) <sub>d</sub>
	14	78.1	9.7	-11.2	311	87.3	2.3	-6.5	289	9.3	-7.3	4.7	8.8	12.8	
	15	82.9	6.5	-7.4	311	91.9	-0.1	-0.5	252	9.0	-6.6	6.9	9.6	13.2	
	16	87.8	3.2	-3.7	311	92.7	0.0	0.0	0	4.9	-3.1	3.8	5.0	7.0	ΔH* <sub>CIELAB</sub> = 8.7
	17	92.7	0.0	0.0	0	92.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* <sub>CIELAB</sub> = 10.3
	18	14.6	51.7	-60.3	311	14.6	51.7	-60.3	311	0.0	0.0	0.0	0.0	0.0	
	19	34.1	38.8	-45.2	311	38.8	28.0	-49.0	300	4.7	-10.7	-3.7	11.4	12.4	
	20	53.6	25.9	-30.1	311	60.0	13.0	-33.0	291	6.4	-12.8	-2.8	13.2	14.6	
Z <sub>d</sub>	21	73.2	12.9	-15.0	311	82.0	4.4	-12.4	289	8.8	-8.4	2.6	8.9	12.5	ΔH* <sub>CIELAB</sub> = 6.7
	22	92.7	0.0	0.0	0	92.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* <sub>CIELAB</sub> = 7.9
															R* <sub>ab,m</sub> = 55

AF820-3N, FrgbNP D65 LL11g00NA.PDF20070129

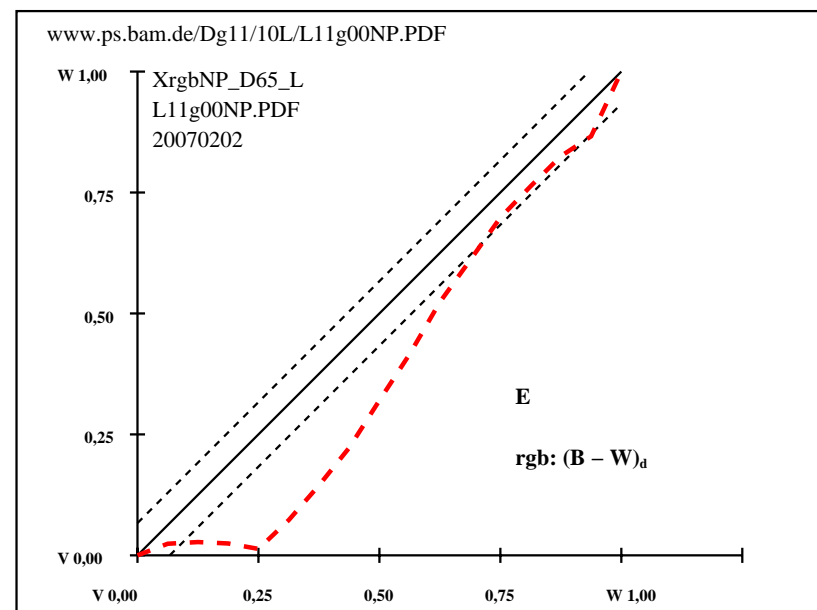


AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

E"; *rgb5/24*

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

AF821-3N, XrgbNP D65 LL11g00NP.PDF2007020



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070203

salida: `->rgbdd setrgbcolor`

TUB matrícula: 20160501-AF82/AF82LON  
+ aplicación para la medida de display output

TUB material: code=rha4ta

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
M <sub>d</sub>	1	38.7	79.2	-34.7	336	38.7	79.2	-34.7	336	0.0	0.0	0.0	0.0	0.0
	2	42.0	74.3	-32.5	336	43.2	75.8	-35.0	335	1.2	1.6	-2.4	2.9	3.1
	3	45.4	69.3	-30.4	336	48.1	70.5	-34.0	334	2.6	1.2	-3.5	3.8	4.7
	4	48.8	64.4	-28.2	336	52.5	64.8	-32.4	333	3.7	0.5	-4.1	4.2	5.6
	5	52.2	59.4	-26.0	336	56.7	58.8	-30.6	332	4.5	-0.5	-4.5	4.6	6.5
	6	55.6	54.5	-23.8	336	60.1	53.8	-28.9	332	4.5	-0.5	-5.0	5.1	6.8
	7	58.9	49.5	-21.7	336	63.4	48.7	-26.8	331	4.5	-0.7	-5.0	5.2	6.9
	8	62.3	44.6	-19.5	336	67.5	42.5	-23.9	331	5.2	-1.9	-4.3	4.9	7.1
Z <sub>d</sub>	9	65.7	39.6	-17.3	336	71.2	36.7	-21.2	330	5.5	-2.8	-3.8	4.9	7.4
	10	69.1	34.6	-15.1	336	75.0	30.7	-18.1	329	5.9	-3.8	-2.9	4.9	7.7
	11	72.4	29.7	-13.0	336	78.6	24.7	-14.9	329	6.2	-4.9	-1.9	5.4	8.2
	12	75.8	24.8	-10.8	336	82.1	18.7	-11.5	328	6.3	-5.9	-0.6	6.1	8.8
	13	79.2	19.8	-8.6	336	85.6	12.7	-8.0	327	6.4	-7.0	0.6	7.1	9.6
	14	82.6	14.8	-6.4	336	89.2	6.5	-4.1	327	6.6	-8.2	2.3	8.7	10.9
	15	85.9	9.9	-4.3	336	92.4	0.5	-0.2	329	6.5	-9.3	4.1	10.2	12.1
	16	89.3	4.9	-2.1	336	92.7	0.0	0.0	0	3.3	-4.8	2.2	5.4	6.4
W <sub>d</sub>	17	92.7	0.0	0.0	0	92.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
M <sub>d</sub>	18	38.7	79.2	-34.7	336	38.7	79.2	-34.7	336	0.0	0.0	0.0	0.0	0.0
	19	52.2	59.4	-26.0	336	56.7	58.8	-30.6	332	4.5	-0.5	-4.5	4.6	6.5
	20	65.7	39.6	-17.3	336	71.2	36.7	-21.2	330	5.5	-2.8	-3.8	4.9	7.4
Z <sub>d</sub>	21	79.2	19.8	-8.6	336	85.6	12.7	-8.0	327	6.4	-7.0	0.6	7.1	9.6
	22	92.7	0.0	0.0	0	92.7	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0

$\Delta L^* = 92.69 - 38.67$

$g^* = 39.4$

$f^* = 69.8$

$rgb: (M - W)_d$

$\Delta H^*_{CIELAB} = 4.9$

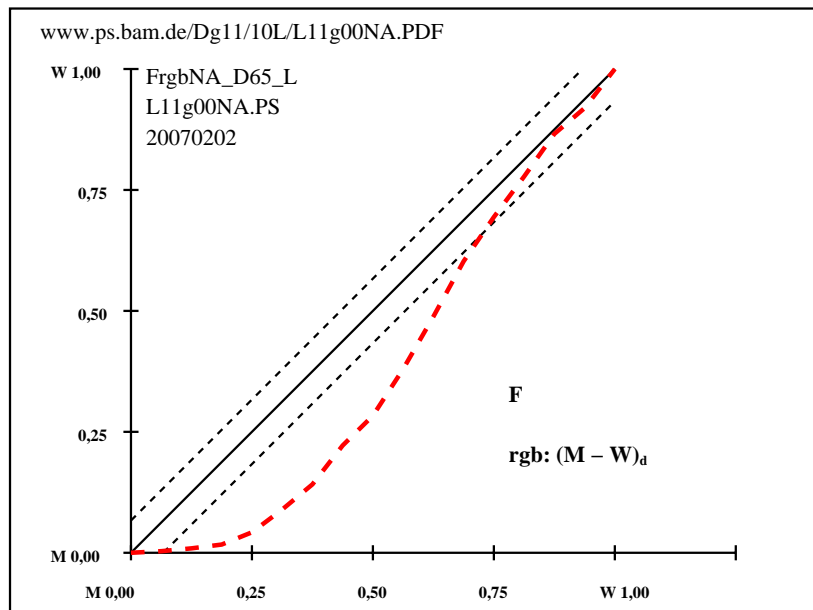
$\Delta E^*_{CIELAB} = 6.6$

$\Delta H^*_{CIELAB} = 3.3$

$\Delta E^*_{CIELAB} = 4.7$

$R^*_{ab,m} = 72$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

F"; rgb6/24

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
M <sub>d</sub>	1	46.1	71.3	-6.3	355	46.1	71.3	-6.3	355	0.0	0.0	0.0	0.0	0.0
	2	49.2	66.8	-5.9	355	46.3	71.4	-6.5	355	-2.8	4.6	-0.5	4.6	5.4
	3	52.3	62.4	-5.5	355	46.7	70.9	-6.7	355	-5.5	8.5	-1.1	8.6	10.3
	4	55.4	57.9	-5.1	355	47.0	70.4	-7.1	354	-8.3	12.5	-1.9	12.6	15.2
	5	58.5	53.5	-4.7	355	47.4	68.7	-8.6	353	-11.0	15.2	-3.8	15.7	19.2
	6	61.5	49.0	-4.3	355	48.8	65.4	-10.6	351	-12.6	16.4	-6.2	17.6	21.7
	7	64.6	44.6	-3.9	355	51.1	61.0	-10.8	350	-13.4	16.4	-6.8	17.8	22.4
	8	67.7	40.1	-3.5	355	55.2	55.1	-11.6	348	-12.5	15.0	-8.0	17.0	21.2
Z <sub>d</sub>	9	70.8	35.7	-3.1	355	58.8	50.7	-11.1	348	-11.9	15.1	-7.9	17.0	20.9
	10	73.9	31.2	-2.7	355	63.9	43.8	-10.6	346	-9.9	12.6	-7.8	14.9	17.9
	11	77.0	26.7	-2.3	355	69.2	35.8	-9.3	345	-7.7	9.1	-6.9	11.5	13.8
	12	80.0	22.3	-1.9	355	74.3	27.2	-8.7	342	-5.7	4.9	-6.7	8.4	10.2
	13	83.1	17.8	-1.5	355	78.1	20.2	-8.4	337	-4.9	2.4	-6.8	7.3	8.8
	14	86.2	13.4	-1.1	355	82.0	14.0	-7.8	331	-4.1	0.6	-6.6	6.7	7.9
	15	89.3	8.9	-0.7	355	86.4	7.7	-6.5	319	-2.8	-1.1	-5.7	5.9	6.6
	16	92.4	4.5	-0.3	355	89.9	4.5	-4.3	316	-2.3	0.0	-3.9	4.0	4.7
W <sub>d</sub>	17	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
M <sub>d</sub>	18	46.1	71.3	-6.3	355	46.1	71.3	-6.3	355	0.0	0.0	0.0	0.0	0.0
	19	58.5	53.5	-4.7	355	47.4	68.7	-8.6	353	-11.0	15.2	-3.8	15.7	19.2
Z <sub>d</sub>	20	70.8	35.7	-3.1	355	58.8	50.7	-11.1	348	-11.9	15.1	-7.9	17.0	20.9
	21	83.1	17.8	-1.5	355	78.1	20.2	-8.4	337	-4.9	2.4	-6.8	7.3	8.8
W <sub>d</sub>	22	95.5	0.0	0.0	0	95.5	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0

$\Delta L^* = 95.45 - 46.14$

$g^* = 6.3$

$f^* = 63.7$

$rgb: (M - W)_d$

$\Delta H^*_{CIELAB} = 10.0$

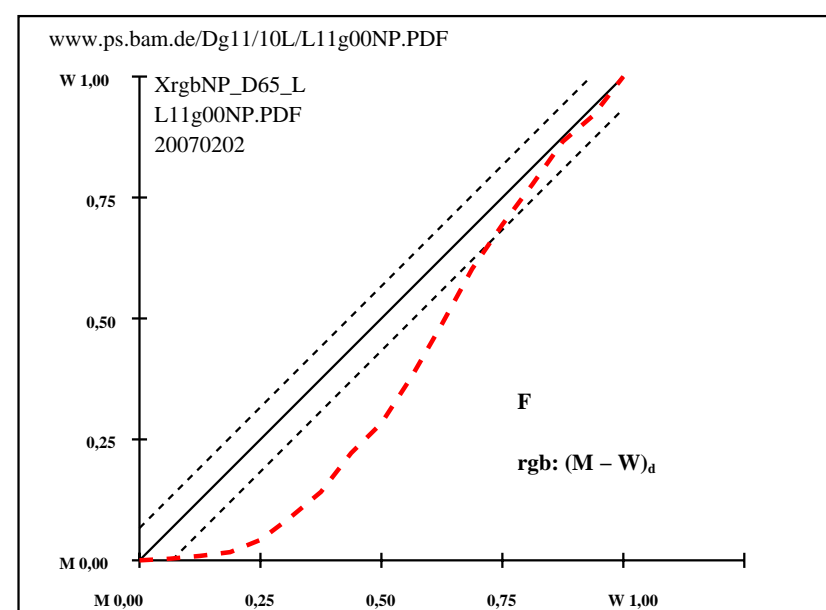
$\Delta E^*_{CIELAB} = 12.1$

$\Delta H^*_{CIELAB} = 8.0$

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

$R^*_{ab,m} = 47$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

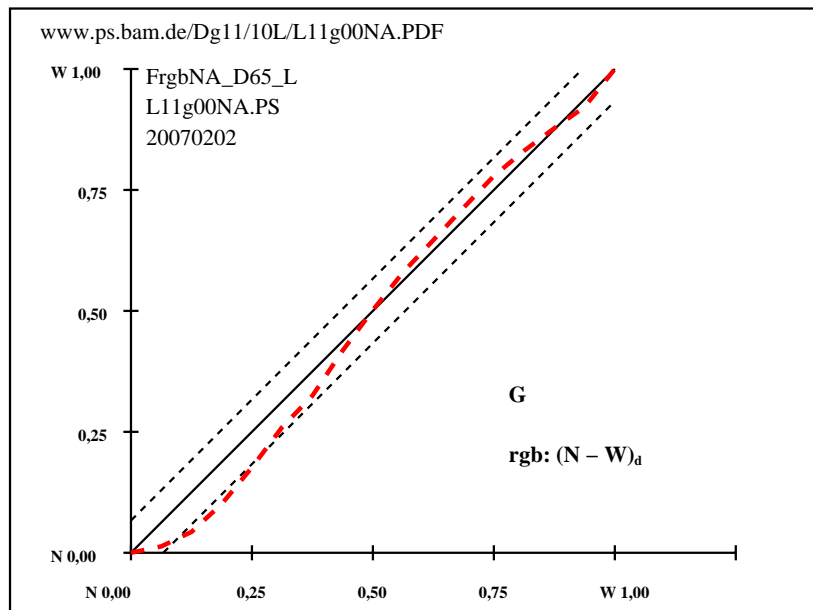


vea archivos semejantes: <http://farbe.li.tu-berlin.de/AF82/AF82L0NA.PDF>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	8.7	0.0	0.0	0	8.7	0.0	0.0
	2	13.9	0.0	0.0	0	13.9	0.7	-2.5
	3	19.1	0.0	0.0	0	20.8	-0.2	-3.9
	4	24.4	0.0	0.0	0	27.4	-1.8	-3.0
	5	29.6	0.0	0.0	0	34.4	-2.2	-3.4
	6	34.9	0.0	0.0	0	40.2	-2.7	-1.7
	7	40.1	0.0	0.0	0	45.9	-3.1	-1.5
	8	45.4	0.0	0.0	0	52.0	-3.9	-1.1
Z <sub>d</sub>	9	50.6	0.0	0.0	0	57.5	-3.9	-1.5
	10	55.9	0.0	0.0	0	63.4	-3.1	-1.9
	11	61.1	0.0	0.0	0	69.1	-1.8	-2.1
	12	66.4	0.0	0.0	0	75.2	-0.6	-2.1
	13	71.6	0.0	0.0	0	81.2	0.1	-1.4
	14	76.9	0.0	0.0	0	86.9	0.0	-0.1
	15	82.1	0.0	0.0	0	92.0	-0.7	1.1
	16	87.4	0.0	0.0	0	92.7	0.0	0.0
W <sub>d</sub>	17	92.6	0.0	0.0	0	92.6	0.0	0.0
N <sub>d</sub>	18	8.7	0.0	0.0	0	8.7	0.0	0.0
	19	29.6	0.0	0.0	0	34.4	-2.2	-3.4
Z <sub>d</sub>	20	50.6	0.0	0.0	0	57.5	-3.9	-1.5
	21	71.6	0.0	0.0	0	81.2	0.1	-1.4
W <sub>d</sub>	22	92.6	0.0	0.0	0	92.6	0.0	0.0

$\Delta L^* = 92.63 - 8.65$   
 $g^* = 44.4$   
 $f^* = 108.5$   
 $\Delta H^*_{CIELAB} = 2.5$   
 $\Delta E^*_{CIELAB} = 6.3$   
 $\Delta H^*_{CIELAB} = 2.0$   
 $\Delta E^*_{CIELAB} = 4.8$   
 $R^*_{ab,m} = 72$   
 $\text{rgb: (N - W)}_d$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129



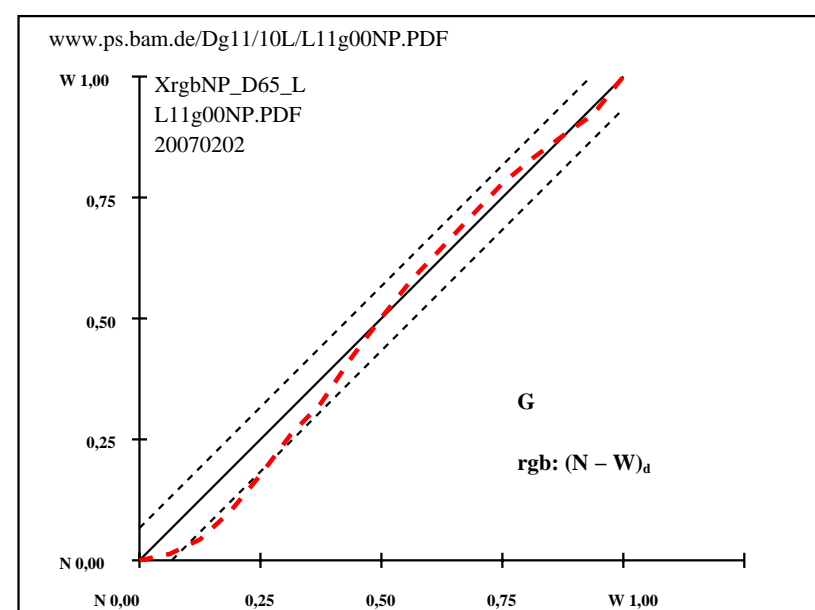
AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

G"; rgb7/24

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

$\Delta L^* = 95.46 - 21.66$   
 $g^* = 54.2$   
 $f^* = 95.3$   
 $\Delta H^*_{CIELAB} = 0.1$   
 $\Delta E^*_{CIELAB} = 2.4$   
 $\Delta H^*_{CIELAB} = 0.1$   
 $\Delta E^*_{CIELAB} = 1.6$   
 $R^*_{ab,m} = 90$   
 $\text{rgb: (N - W)}_d$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...  
salida: ->rgb<sub>dd</sub> setrgbcolor





vea archivos semejantes: <http://farbe.li-tu-berlin.de/AF82/AF82.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmeterik>

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	8.5	0.0	0.0	0	8.5	0.0	0.0
	2	13.2	-0.2	6.9	92	13.2	-2.5	6.5
	3	18.0	-0.4	13.9	92	19.3	-6.1	15.0
	4	22.7	-0.7	20.8	92	25.2	-9.1	23.7
	5	27.4	-0.9	27.7	92	31.5	-11.0	31.9
	6	32.1	-1.2	34.7	92	37.0	-11.8	40.1
	7	36.9	-1.4	41.6	92	42.2	-12.9	47.8
	8	41.6	-1.7	48.5	92	48.4	-14.0	56.5
	9	46.3	-1.9	55.5	92	53.8	-14.5	64.3
	10	51.0	-2.2	62.4	92	59.1	-14.2	72.7
	11	55.7	-2.4	69.3	92	64.6	-12.7	80.6
	12	60.5	-2.7	76.2	92	70.0	-10.3	89.2
	13	65.2	-2.9	83.2	92	75.4	-7.4	97.4
	14	69.9	-3.2	90.1	92	80.0	-5.4	104.5
	15	74.6	-3.4	97.0	92	83.6	-4.4	110.3
	16	79.3	-3.7	104.0	92	83.9	-4.0	110.9
Y <sub>d</sub>	17	84.1	-3.9	110.9	92	84.1	-3.9	110.9
N <sub>d</sub>	18	8.5	0.0	0.0	0	8.5	0.0	0.0
	19	27.4	-0.9	27.7	92	31.5	-11.0	31.9
	20	46.3	-1.9	55.5	92	53.8	-14.5	64.3
	21	65.2	-2.9	83.2	92	75.4	-7.4	97.4
Y <sub>d</sub>	22	84.1	-3.9	110.9	92	84.1	-3.9	110.9

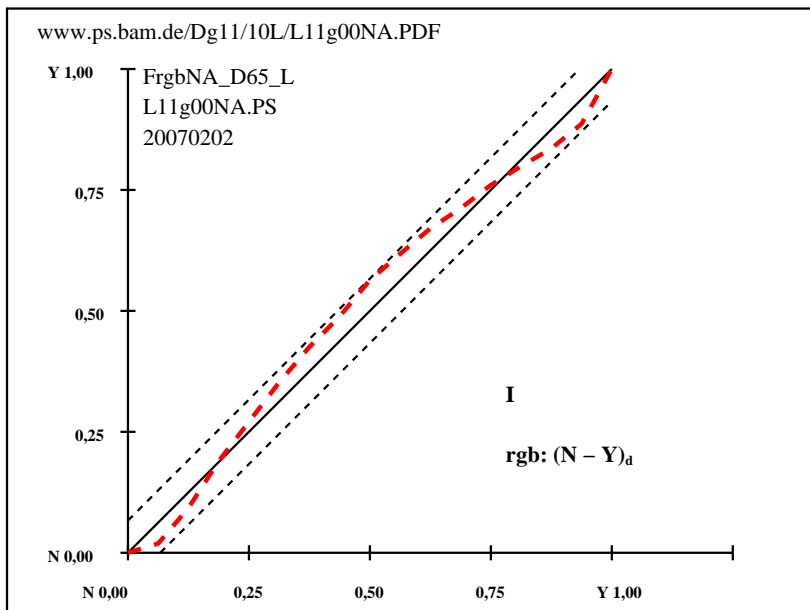
**CIELAB**  
 $\Delta L^* = 84.07 - 8.52$   
 $g^* = 37.7$   
 $f^* = 97.6$   
**rgb: (N - Y)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 10.5$   
 $\Delta E^*_{CIELAB} = 12.0$   
 $R^*_{ab,m} = 48$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

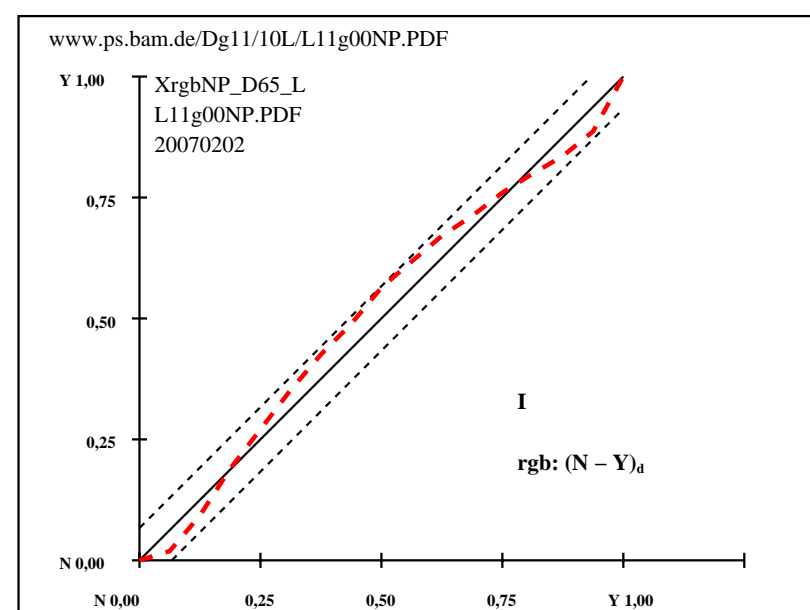
i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	22.0	0.0	0.0	0	22.0	0.0
	2	26.3	-1.0	7.0	99	22.2	-0.7
	3	30.6	-2.1	14.0	99	26.2	-3.4
	4	34.9	-3.1	20.9	99	32.4	-5.1
	5	39.2	-4.2	27.9	99	38.0	-6.9
	6	43.5	-5.3	34.9	99	43.4	-8.6
	7	47.8	-6.4	41.9	99	48.4	-9.6
	8	52.1	-7.4	48.9	99	53.3	-10.5
	9	56.4	-8.5	55.9	99	58.7	-11.6
	10	60.7	-9.6	62.8	99	62.6	-12.3
	11	65.0	-10.7	69.8	99	66.5	-12.9
	12	69.3	-11.7	76.8	99	69.6	-14.0
	13	73.6	-12.8	83.8	99	73.2	-14.2
	14	77.9	-13.9	90.8	99	76.2	-14.7
	15	82.3	-15.0	97.7	99	79.0	-15.4
	16	86.6	-16.0	104.7	99	82.7	-15.7
Y <sub>d</sub>	17	90.9	-17.1	111.7	99	90.9	-17.1
N <sub>d</sub>	18	22.0	0.0	0.0	0	22.0	0.0
	19	39.2	-4.2	27.9	99	38.0	-6.9
	20	56.4	-8.5	55.9	99	58.7	-11.6
	21	73.6	-12.8	83.8	99	73.2	-14.2
Y <sub>d</sub>	22	90.9	-17.1	111.7	99	90.9	-17.1

**CIELAB**  
 $\Delta L^* = 90.87 - 21.96$   
 $g^* = 70.1$   
 $f^* = 89.0$   
**rgb: (N - Y)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 4.5$   
 $\Delta E^*_{CIELAB} = 5.0$   
 $R^*_{ab,m} = 79$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

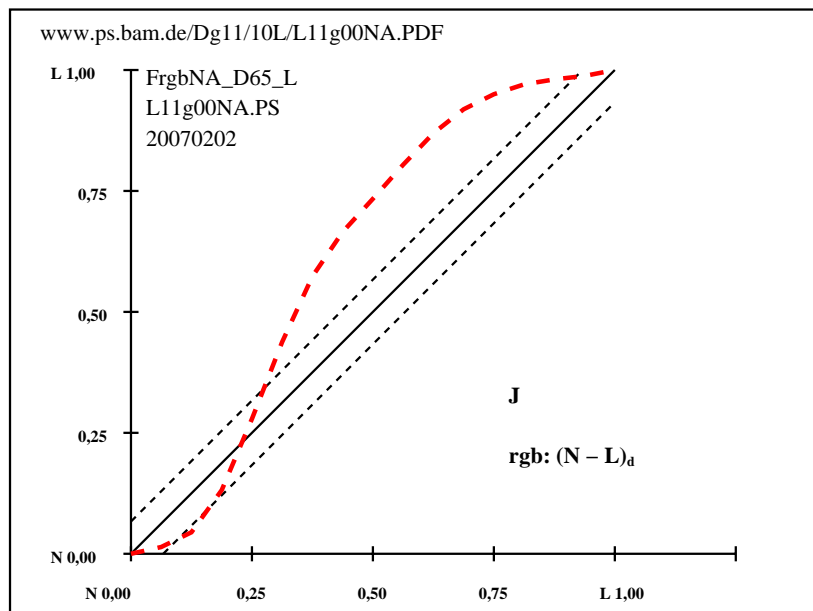
entrada: **rgb/cmy0/000n/w set...**  
salida: **->rgb<sub>dd</sub> setrgbcolor**

TUB matrícula: 20160501-AF82/AF82L0NA.TXT /.PS  
aplicación para la medida de display output

TUB material: code=rh4ta

	T	i	LAB*a.ref	hab.ref	LAB*a.out	hab.out	LAB*a.out/c-ref-ΔH* ΔE*									
N <sub>d</sub>	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		
	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		
	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		
	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	<i>CIELAB</i>	
	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		
	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		
	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		
	d	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	$f^* = 45.5$
	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		
	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	<i>rgb: (N - L)<sub>d</sub></i>	
	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		
	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	$\Delta H^*_{CIELAB} = 13.5$	
	G <sub>d</sub>	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 <sub>d</sub>	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	
	d	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	
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	$\Delta H^*_{CIELAB} = 11.0$	
G <sub>d</sub>	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	$\Delta E^*_{CIELAB} = 12.0$	
															$R^*_{ab,m} = 36$	

AF820-3N, FrgbNP D65 LL11g00NA.PDF20070129



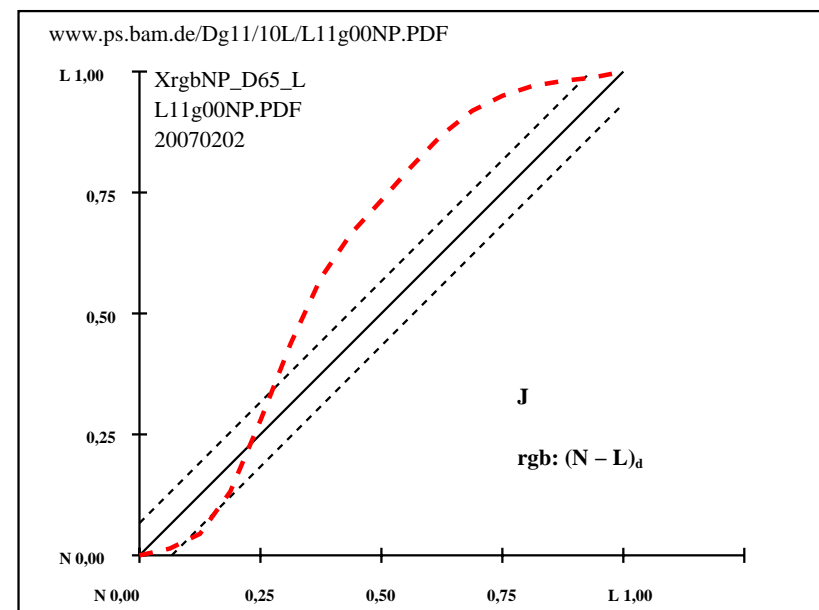
AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

J"; *rgb10/24*

	i	LAB*a <sub>1</sub> ref			hab,ref LAB*a <sub>1</sub> out			hab,ref LAB*a <sub>1</sub> out/c-ref			ΔH* ΔE*				
N <sub>d</sub>	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	
	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	
	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	
	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	
	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	
	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	
	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	
	8	32.5	-29.3	15.8	152	36.1	-45.1	24.2	152	3.7	-15.7	8.5	17.9	18.3	
	9	34.0	-33.5	18.0	152	38.2	-49.8	26.2	152	4.3	-16.2	8.2	18.2	18.7	
	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	
d	11	37.0	-41.9	22.5	152	41.8	-59.0	30.7	153	4.8	-17.0	8.2	19.0	19.6	
	12	38.5	-46.1	24.8	152	42.6	-62.8	31.8	153	4.1	-16.6	7.0	18.1	18.6	
	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	
	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	
	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	
	G <sub>d</sub>	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
	N <sub>d</sub>	18	21.9	0.0	0.0	0	21.9	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
		19	27.9	-16.7	9.0	152	28.7	-17.2	12.3	145	0.8	-0.4	3.3	3.3	3.4
	d	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	
G <sub>d</sub>	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	

</

AF821-3N, XrgbNP D65 LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

```

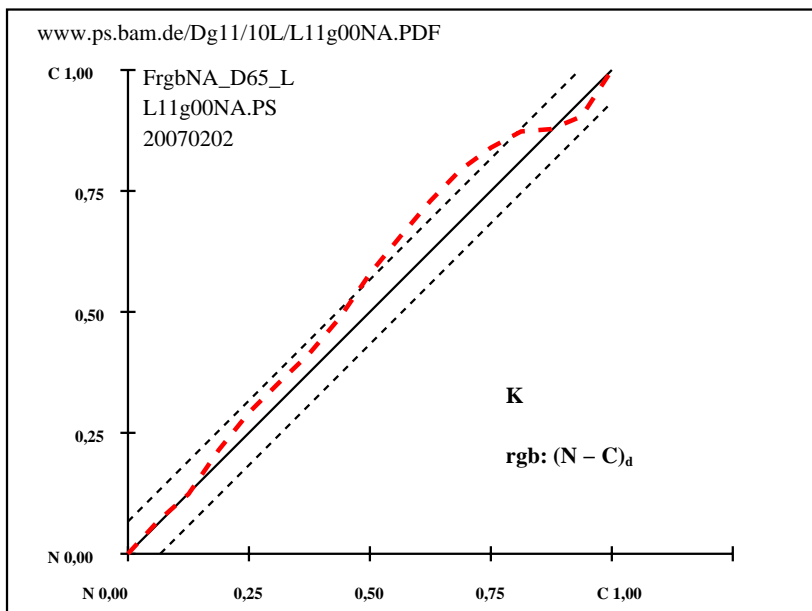
entrada: rgb/cmy0/000n/w set...
salida: ->rgbdd setrgbcolor

```

vea archivos semejantes: <http://farbe.li.tu-berlin.de/AF82/AF82.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

T	i	LAB*a <sub>ref</sub>			hab <sub>ref</sub>	LAB*a <sub>out</sub>			hab <sub>out</sub>	LAB*a <sub>out</sub> /c-ref				ΔH* ΔE*		
N <sub>d</sub>	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		
	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		
	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		
	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	<i>CIELAB</i>	
	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	ΔL* = 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		
	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		
	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	f* = 57.8	
d	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		
	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) <sub>d</sub>	
	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		
	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	ΔH* <sub>CIELAB</sub> = 7.9	
	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	ΔE* <sub>CIELAB</sub> = 9.8	
	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		
	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		
	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		
d	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	ΔH* <sub>CIELAB</sub> = 6.3	
	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	ΔE* <sub>CIELAB</sub> = 7.9	
C <sub>d</sub>															R* <sub>abm</sub> = 57	

AF820-3N, FrgbNP D65 LL11g00NA.PDF20070129

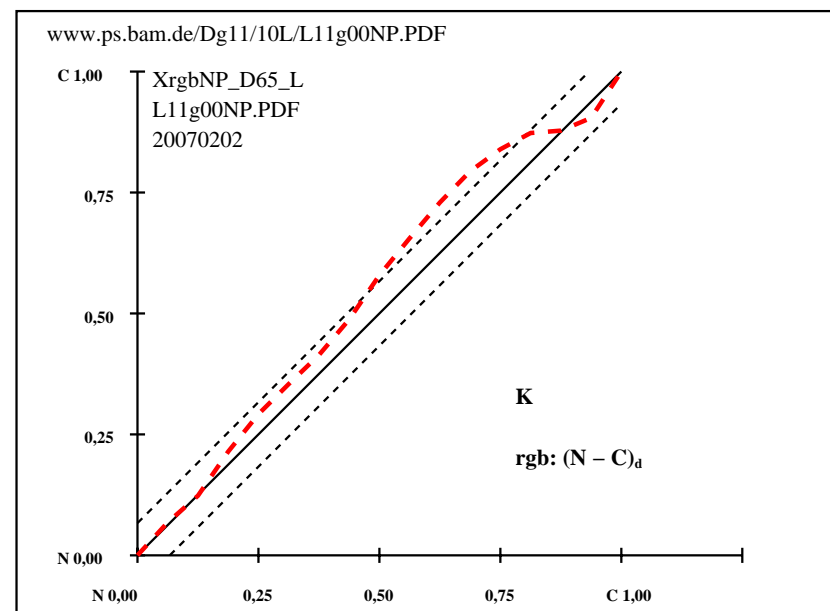


AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

K"; *rgb11/24*

	i	LAB*a <sub>1</sub> ref	hab,ref	LAB*a <sub>2</sub> out	hab,out	LAB*a <sub>2</sub> out/c-ref	ΔH* ΔE*									
N <sub>d</sub>	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		
	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		
	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		
	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	<b>CIELAB</b>	
	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	<b>ΔL* = 50.86 - 20.66</b>	
	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		
	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	<b>g* = 38.2</b>	
d	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		
	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	<b>f* = 39.0</b>	
	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		
	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	<b>rgb: (N - C)<sub>d</sub></b>	
	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		
C <sub>d</sub>	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		
	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	<b>ΔH*<sup>CIELAB</sup> = 8.1</b>	
	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	<b>ΔE*<sup>CIELAB</sup> = 8.6</b>	
	N <sub>d</sub>	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	
	d	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	<b>ΔH*<sup>CIELAB</sup> = 6.0</b>
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	<b>ΔE*<sup>CIELAB</sup> = 6.2</b>	
C <sub>d</sub>															<b>R*<sub>ab,m</sub> = 63</b>	

AF821-3N, XrgbNP D65 LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

```

entrada: rgb/cmy0/000n/w set...
salida: ->rgbdd setrgbcolor

```

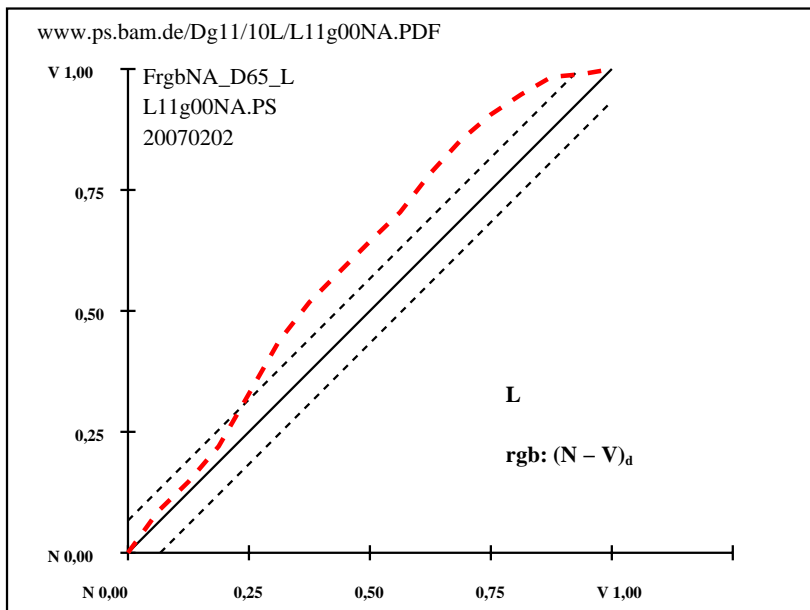
TUB matrícula: 20160501-AF82/AF82L0N  
+ aplicación para la medida de display output

TUB material: code=rha4ta

vea archivos semejantes: <http://farbe.li-tu-berlin.de/AF82/AF82L0NA.PDF>  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmeterik>

T	i	LAB*a,ref				hab,ref				LAB*a,out				hab,out				LAB*a,out/c-ref				$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	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	0.0	0.0	0.0	0.0	0.0	0.0		
	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	5.0	5.0	5.0	5.0	5.0	5.0		
	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	9.9	9.9	9.9	9.9	9.9	9.9		
	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	11.9	11.9	11.9	11.9	11.9	11.9		
	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	13.8	13.8	13.8	13.8	13.8	13.8		
	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	14.8	14.8	14.8	14.8	14.8	14.8		
	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	15.4	15.4	15.4	15.4	15.4	15.4		
	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	16.2	16.2	16.2	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	16.2	16.2	16.2	16.2	16.2	16.2		
	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	16.9	16.9	16.9	16.9	16.9	16.9		
	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	17.1	17.1	17.1	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	16.3	16.3	16.3	16.3	16.3	16.3		
	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	14.0	14.0	14.0	14.0	14.0	14.0		
	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	11.6	11.6	11.6	11.6	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	8.9	8.9	8.9	8.9	8.9	8.9		
	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	4.8	4.8	4.8	4.8	4.8	4.8		
B <sub>d</sub>	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	0.0	0.0	0.0	0.0	0.0			
N <sub>d</sub>	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	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	13.8	13.8	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	16.2	16.2	16.2	16.2	16.2			
	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	14.0	14.0	14.0	14.0	14.0			
B <sub>d</sub>	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	0.0	0.0	0.0	0.0	0.0			
<b>R*<sub>ab,m</sub> = 50</b>																							

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

L"; rgb12/24

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
N <sub>d</sub>	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
	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
	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
	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
	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
	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	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	28.4	0.5	-21.6	271	27.0	0.9	-29.9	272	-1.4	0.4	-8.2	8.3	8.4
	9	29.6	0.6	-24.7	271	27.9	1.8	-33.0	273	-1.5	1.3	-8.2	8.4	8.6
	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
	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
	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
	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
	14	35.4	1.0	-40.0	271	35.0	5.3	-47.3	276	-0.3	4.3	-7.2	8.5	8.5
	15	36.5	1.0	-43.1	271	36.6	4.2	-48.9	275	0.1	3.2	-5.7	6.6	6.6
	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
B <sub>d</sub>	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
	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
N <sub>d</sub>	19	25.0	0.2	-12.5	271	22.1	-1.1	-17.3	266	-2.8	-1.3	-4.7	5.1	5.8
	20	29.6	0.6	-24.7	271	27.9	1.8	-33.0	273	-1.5	1.3	-8.2	8.4	8.6
	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
	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
B <sub>d</sub>														

**CIE LAB**

$\Delta L^* = 38.83 - 20.35$

$g^* = 28.9$

$f^* = 23.9$

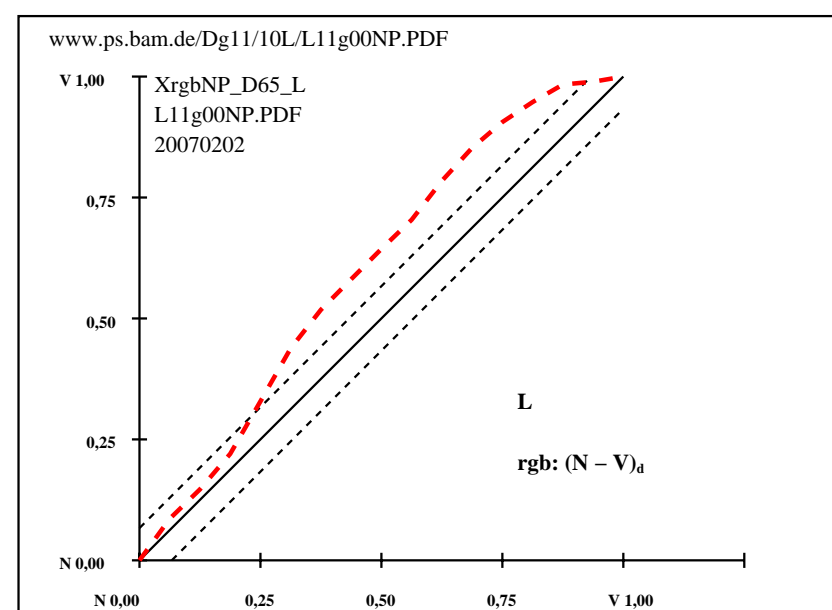
**rgb: (N - V)<sub>d</sub>**

$\Delta H^*_{CIE LAB} = 5.8$

$\Delta E^*_{CIE LAB} = 6.2$

$R^*_{ab,m} = 73$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...  
 salida: ->rgb<sub>dd</sub> setrgbcolor

TUB matrícula: 20160501-AF82/AF82L0NA.TXT /.PS  
 aplicación para la medida de display output

TUB material: code=rh4ta

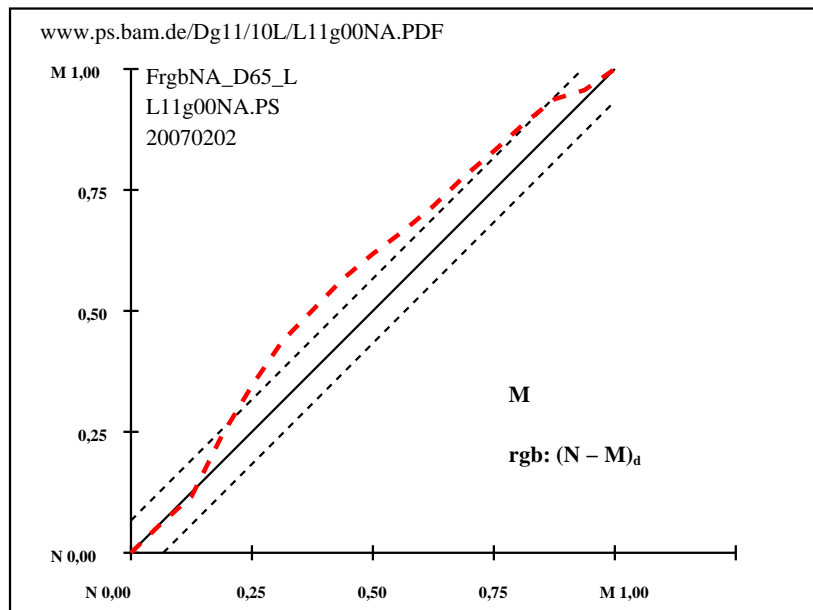
T	i	LAB*a,ref				hab.ref				LAB*a,out				hab,out				LAB*a,out/c-ref				$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	8.9	0.0	0.2	90	8.9	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	2	10.7	5.0	-1.9	338	10.6	8.1	-6.4	321	0.0	3.1	-4.4	5.5	5.5	5.5								
	3	12.6	10.0	-4.1	337	12.8	16.4	-12.6	322	0.2	6.4	-8.4	10.7	10.7									
	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							<b>CIELAB</b>		
	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									
	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									
d	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							$f^* = 37.9$		
	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									
	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							<b>rgb: (N - M)<sub>d</sub></b>		
	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									
	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									
d	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									
	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							$\Delta H^*_{CIELAB} = 10.2$		
M <sub>d</sub>	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							$\Delta E^*_{CIELAB} = 10.3$		
																						$R^*_{ab,m} = 43$	

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

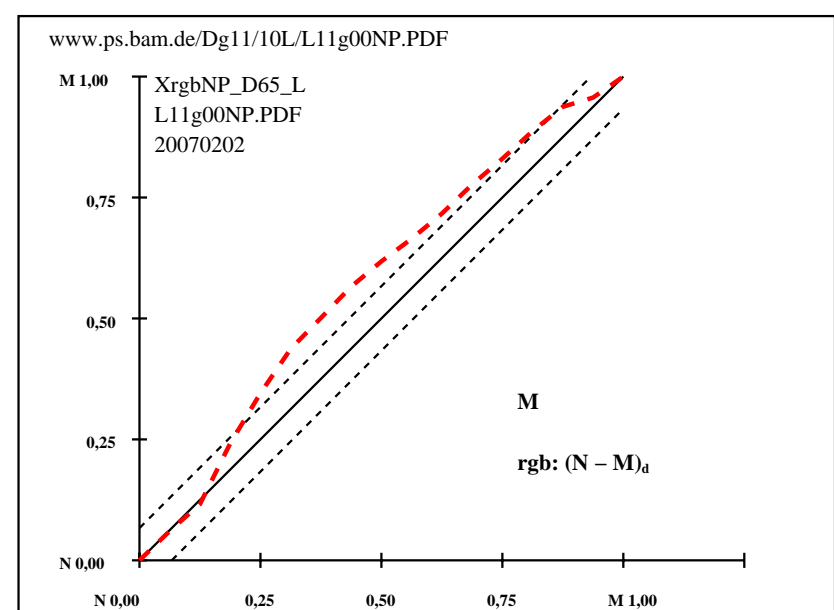
	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
N <sub>d</sub>	1	20.8	0.0	-0.2	252	20.8	0.0	-0.2	252	0.0	0.0	0.0	0.0	0.0
	2	22.3	4.4	-0.6	351	19.5	2.0	-4.1	295	-2.8	-2.3	-3.4	4.2	5.1
	3	23.9	8.8	-1.0	353	19.9	6.6	-5.9	318	-3.9	-2.1	-4.9	5.4	6.8
	4	25.5	13.3	-1.3	354	21.8	15.4	-10.0	327	-3.6	2.1	-8.6	8.9	9.7
	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
	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
	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
	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
	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
d	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
	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
	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
	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
	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
	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
d	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
	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

**CIELAB**  
 $\Delta L^* = 46.19 - 20.76$   
 $g^* = 34.3$   
 $f^* = 32.9$   
**rgb: (N - M)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 10.0$   
 $\Delta E^*_{CIELAB} = 10.2$   
 $R^*_{ab,m} = 55$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: **rgb/cmy0/000n/w set...**salida: **->rgb<sub>dd</sub> setrgbcolor**M"; **rgb13/24**

T	i	LAB*a,ref			hab,ref	LAB*a,out			hab,out	LAB*a,out/c-ref-ΔH* ΔE*				
N <sub>d</sub>	1	9.1	0.0	0.2	90	9.1	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0
	2	14.4	0.0	0.2	90	14.6	0.3	-1.7	279	0.2	0.3	-1.9	2.0	2.0
	3	19.6	0.0	0.2	90	21.7	-0.4	-2.7	260	2.1	-0.4	-2.9	3.0	3.7
	4	24.8	0.0	0.2	90	28.4	-1.8	-1.9	226	3.6	-1.8	-2.1	2.9	4.6
	5	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227	5.5	-2.1	-2.5	3.4	6.4
	6	35.3	0.0	0.1	90	41.3	-2.6	-0.4	190	6.1	-2.6	-0.5	2.8	6.7
	7	40.5	0.0	0.1	90	46.8	-2.6	-0.7	197	6.3	-2.6	-0.8	2.9	6.9
	8	45.7	0.0	0.1	90	52.9	-3.7	-0.2	185	7.2	-3.7	-0.3	3.8	8.1
Z <sub>d</sub>	9	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193	7.3	-3.7	-0.9	3.9	8.3
	10	56.2	0.0	0.1	90	63.8	-3.2	-1.2	202	7.6	-3.2	-1.3	3.6	8.4
	11	61.4	0.0	0.1	90	69.8	-1.8	-1.5	220	8.4	-1.8	-1.6	2.5	8.7
	12	66.7	0.0	0.1	90	75.6	-0.8	-1.6	242	9.0	-0.8	-1.7	2.0	9.2
	13	71.9	0.0	0.1	90	81.6	0.0	-1.1	270	9.7	0.0	-1.2	1.3	9.8
	14	77.1	0.0	0.0	90	87.1	0.0	0.0	270	10.0	0.0	0.0	0.1	10.0
	15	82.3	0.0	0.0	90	92.1	-0.6	1.1	122	9.8	-0.6	1.1	1.3	9.8
	16	87.6	0.0	0.0	90	92.9	0.0	0.0	0	5.3	0.0	0.0	0.0	5.3
W <sub>d</sub>	17	92.8	0.0	0.0	0	92.8	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
N <sub>d</sub>	18	9.1	0.0	0.2	90	9.1	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0
	19	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227	5.5	-2.1	-2.5	3.4	6.4
Z <sub>d</sub>	20	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193	7.3	-3.7	-0.9	3.9	8.3
	21	71.9	0.0	0.1	90	81.6	0.0	-1.1	270	9.7	0.0	-1.2	1.3	9.8
W <sub>d</sub>	22	92.8	0.0	0.0	0	92.8	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
R* <sub>ab,m</sub> = 72														

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
N <sub>d</sub>	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
	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
	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
	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
	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
	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
	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
	8	53.8	0.0	0.0	228	51.9	0.0	0.1	90	-1.8	0.1	0.2	0.2	1.9
Z <sub>d</sub>	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
	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
	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
	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
	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
	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
W <sub>d</sub>	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
N <sub>d</sub>	18	21.3	0.0	-0.1	243	21.3	0.0	-0.1	243	0.0	0.0	0.0	0.0	0.0
	19	39.8	0.0	-0.1	236	36.8	0.0	0.1	90	-3.0	0.1	0.3	0.3	3.1
Z <sub>d</sub>	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
	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
W <sub>d</sub>	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

$\Delta H^*_{CIELAB} = 0.2$

$\Delta E^*_{CIELAB} = 1.5$

$g^* = 77.3$

$f^* = 95.9$

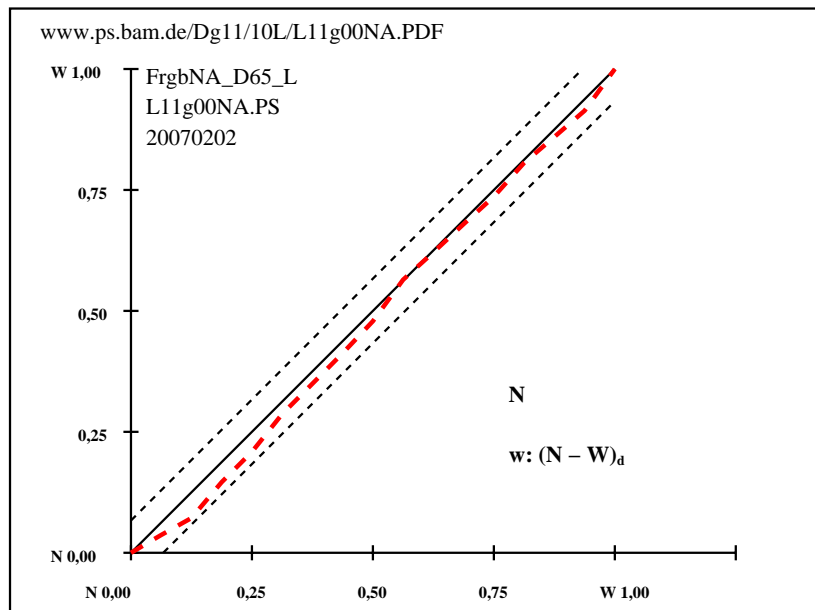
$w: (N - W)_d$

$\Delta H^*_{CIELAB} = 0.2$

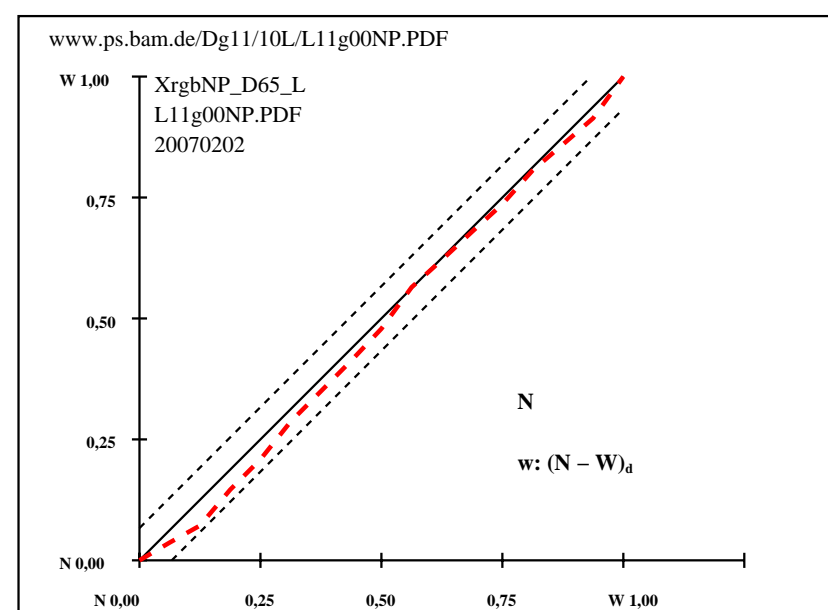
$\Delta E^*_{CIELAB} = 1.1$

$R^*_{ab,m} = 94$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

N"; rgb14/24



T	i	LAB*a,ref				hab,ref				LAB*a,out				hab,out				LAB*a,out/c-ref				$\Delta H^*$	$\Delta E^*$
R <sub>d</sub>	1	36.2	60.8	44.5	36	36.2	60.8	44.5	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	2	39.0	52.7	38.9	36	40.5	57.8	37.0	33	1.6	5.1	-1.8	5.5	5.7									
	3	41.7	44.6	33.3	37	45.2	52.5	29.8	30	3.5	7.9	-3.4	8.7	9.3									
	4	44.4	36.5	27.7	37	48.6	44.3	24.8	29	4.2	7.8	-2.8	8.4	9.3									
	5	47.2	28.4	22.1	38	51.3	34.4	17.9	27	4.1	6.1	-4.1	7.4	8.4									
	6	49.9	20.2	16.5	39	52.7	24.0	13.8	30	2.7	3.8	-2.6	4.6	5.4									
	7	52.7	12.1	10.9	42	54.1	14.1	8.2	30	1.4	2.0	-2.6	3.3	3.6	$g^* = 36.1$								
	8	55.4	4.0	5.3	53	56.4	4.0	4.0	45	1.0	0.0	-1.2	1.3	1.6									
Z <sub>d</sub>	9	58.2	-4.0	-0.2	184	58.2	-4.0	-0.2	184	0.0	0.0	0.0	0.0	0.0									
	10	57.6	-7.1	-4.1	210	60.1	-10.4	-5.2	207	2.5	-3.2	-1.0	3.4	4.3									
	11	57.1	-10.3	-8.1	218	61.7	-15.9	-10.1	213	4.6	-5.5	-1.9	6.0	7.6									
	12	56.6	-13.4	-12.0	222	63.1	-20.3	-14.9	216	6.5	-6.8	-2.8	7.5	10.0									
	13	56.0	-16.5	-15.9	224	63.6	-24.4	-19.3	218	7.6	-7.8	-3.3	8.6	11.4	$rgb: (R - Z - C)_d$								
	14	55.5	-19.6	-19.8	225	63.1	-27.7	-23.3	220	7.6	-8.0	-3.4	8.8	11.6									
	15	55.0	-22.8	-23.8	226	61.6	-29.8	-26.8	222	6.6	-6.9	-2.9	7.7	10.1									
	16	54.5	-25.9	-27.7	227	58.1	-29.5	-29.7	225	3.6	-3.5	-1.9	4.2	5.5	$\Delta H^{*}_{CIELAB} = 5.0$								
C <sub>d</sub>	17	53.9	-29.0	-31.6	227	53.9	-29.0	-31.6	227	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 6.1$								
	R <sub>d</sub>	18	36.2	60.8	44.5	36	36.2	60.8	44.5	36	0.0	0.0	0.0	0.0	0.0								
Z <sub>d</sub>	19	47.2	28.4	22.1	38	51.3	34.4	17.9	27	4.1	6.1	-4.1	7.4	8.4									
	20	58.2	-4.0	-0.2	184	58.2	-4.0	-0.2	184	0.0	0.0	0.0	0.0	0.0									
	21	56.0	-16.5	-15.9	224	63.6	-24.4	-19.3	218	7.6	-7.8	-3.3	8.6	11.4	$\Delta H^{*}_{CIELAB} = 3.2$								
C <sub>d</sub>	22	53.9	-29.0	-31.6	227	53.9	-29.0	-31.6	227	0.0	0.0	0.0	0.0	0.0	$\Delta E^{*}_{CIELAB} = 4.0$								

 $g^* = 36.1$ rgb: (R - Z - C)<sub>d</sub> $\Delta H^*_{CIE\text{LAB}} = 5.0$  $\Delta E^*_{CIE\text{LAB}} = 6.1$ 

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
R <sub>d</sub>	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
	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
	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
	4	50.8	37.6	25.0	34	43.6	50.4	23.8	25	-7.2	12.8	-1.1	12.8	14.7
	5	52.3	30.1	20.0	34	44.6	43.7	18.6	23	-7.6	13.6	-1.3	13.7	15.7
	6	53.8	22.6	15.0	34	46.1	32.9	13.8	23	-7.6	10.3	-1.1	10.4	13.0
	7	55.3	15.1	10.0	34	49.6	19.9	9.5	26	-5.6	4.9	-0.4	4.9	7.5
	8	56.8	7.5	5.1	34	55.4	7.8	2.8	20	-1.3	0.3	-2.2	2.3	2.7
Z <sub>d</sub>	9	58.4	0.0	0.1	90	58.4	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0
	10	57.3	-1.7	-6.5	255	57.3	-8.2	-8.0	224	0.1	-6.4	-1.4	6.7	6.7
	11	56.2	-3.4	-13.2	255	50.7	-15.3	-17.9	229	-5.4	-11.8	-4.6	12.8	13.9
	12	55.1	-5.2	-19.9	255	47.3	-19.9	-26.5	233	-7.7	-14.6	-6.5	16.1	17.9
	13	54.0	-7.0	-26.6	255	46.5	-22.0	-35.0	238	-7.4	-15.0	-8.3	17.2	18.8
	14	52.9	-8.7	-33.3	255	48.0	-23.4	-40.1	240	-4.8	-14.6	-6.7	16.2	16.9
	15	51.8	-10.5	-40.0	255	47.4	-20.5	-43.4	245	-4.4	-9.9	-3.3	10.6	11.5
	16	50.7	-12.2	-46.7	255	47.9	-20.1	-45.0	246	-2.7	-7.8	1.7	8.0	8.5
C <sub>d</sub>	17	49.6	-14.0	-53.4	255	49.6	-14.0	-53.4	255	0.0	0.0	0.0	0.0	0.0
	18	46.3	60.2	39.9	34	46.3	60.2	39.9	34	0.0	0.0	0.0	0.0	0.0
R <sub>d</sub>	19	52.3	30.1	20.0	34	44.6	43.7	18.6	23	-7.6	13.6	-1.3	13.7	15.7
	20	58.4	0.0	0.1	90	58.4	0.0	0.1	90	0.0	0.0	0.0	0.0	0.0
Z <sub>d</sub>	21	54.0	-7.0	-26.6	255	46.5	-22.0	-35.0	238	-7.4	-15.0	-8.3	17.2	18.8
	22	49.6	-14.0	-53.4	255	49.6	-14.0	-53.4	255	0.0	0.0	0.0	0.0	0.0

$g^* = 12.5$

$rgb: (R - Z - C)_d$

$\Delta H^*_{CIELAB} = 8.7$

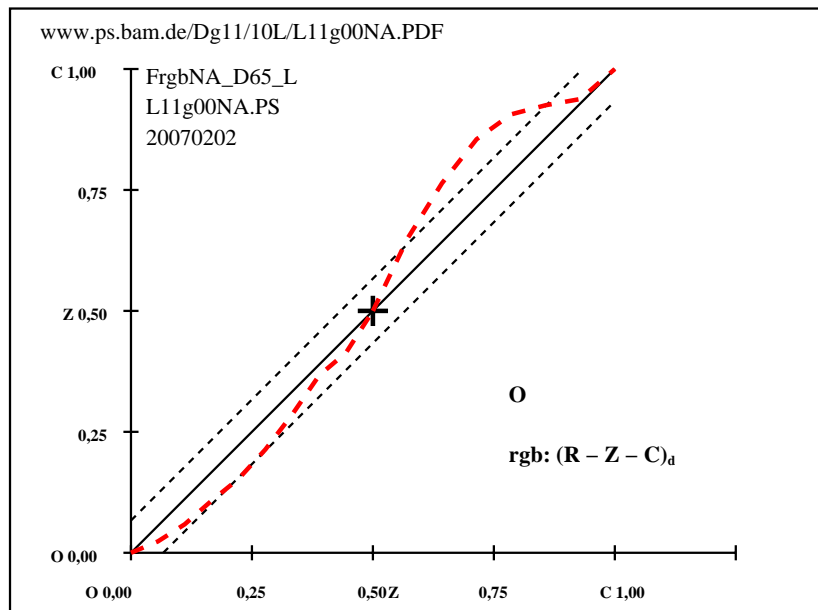
$\Delta E^*_{CIELAB} = 9.7$

$\Delta H^*_{CIELAB} = 6.2$

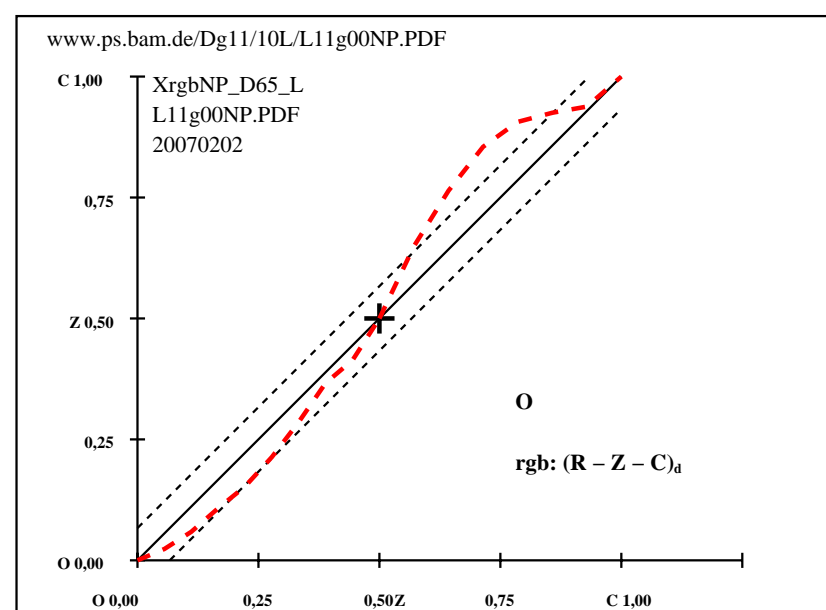
$\Delta E^*_{CIELAB} = 6.9$

 $g^* = 12.5$ rgb: (R - Z - C)<sub>d</sub> $\Delta H^*_{CIE\text{LAB}} = 8.7$  $\Delta E^*_{CIE\text{LAB}} = 9.7$ 

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

vea archivos semejantes: <http://farbe.li-tu-berlin.de/AF82/AF82L0NA.PDF> / .PS; comience salida, página 16/24

información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmeterik>

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
Y <sub>d</sub>	1	84.6	-3.8	110.3	92	84.6	-3.8	110.3	92	0.0	0.0	0.0	0.0	0.0
	2	81.3	-3.8	96.5	92	85.8	-5.7	98.3	93	4.5	-1.8	1.8	2.7	5.2
	3	78.1	-3.8	82.6	93	86.5	-7.6	85.7	95	8.4	-3.7	3.1	4.9	9.7
	4	74.8	-3.8	68.8	93	83.1	-8.8	71.0	97	8.3	-4.9	2.3	5.5	10.0
	5	71.5	-3.8	54.9	94	78.6	-9.8	54.5	100	7.1	-5.9	-0.3	6.1	9.3
	6	68.2	-3.7	41.1	95	73.4	-10.4	41.2	104	5.2	-6.6	0.1	6.7	8.5
	7	65.0	-3.7	27.2	98	68.5	-10.0	26.6	111	3.5	-6.2	-0.5	6.3	7.2
	8	61.7	-3.7	13.3	106	63.3	-7.9	12.7	122	1.6	-4.1	-0.5	4.2	4.5
Z <sub>d</sub>	9	58.4	-3.7	-0.4	187	58.4	-3.7	-0.4	187	0.0	0.0	0.0	0.0	0.0
	10	52.9	3.2	-7.9	292	53.3	1.9	-13.0	278	0.3	-1.2	-5.0	5.3	5.3
	11	47.4	10.2	-15.4	303	48.4	9.6	-25.1	291	1.0	-0.5	-9.7	9.8	9.8
	12	41.9	17.2	-22.8	307	43.6	16.9	-35.1	296	1.7	-0.2	-12.2	12.3	12.4
	13	36.4	24.2	-30.3	309	38.5	24.2	-43.6	299	2.2	0.0	-13.2	13.3	13.5
	14	30.9	31.2	-37.8	309	32.5	31.8	-50.7	302	1.6	0.6	-12.8	12.9	13.0
	15	25.3	38.2	-45.3	310	26.2	39.7	-56.1	305	0.9	1.5	-10.8	11.0	11.0
	16	19.8	45.2	-52.7	311	19.8	47.1	-59.4	308	0.0	1.9	-6.6	6.9	6.9
B <sub>d</sub>	17	14.3	52.2	-60.2	311	14.3	52.2	-60.2	311	0.0	0.0	0.0	0.0	0.0
Y <sub>d</sub>	18	84.6	-3.8	110.3	92	84.6	-3.8	110.3	92	0.0	0.0	0.0	0.0	0.0
	19	71.5	-3.8	54.9	94	78.6	-9.8	54.5	100	7.1	-5.9	-0.3	6.1	9.3
Z <sub>d</sub>	20	58.4	-3.7	-0.4	187	58.4	-3.7	-0.4	187	0.0	0.0	0.0	0.0	0.0
	21	36.4	24.2	-30.3	309	38.5	24.2	-43.6	299	2.2	0.0	-13.2	13.3	13.5
B <sub>d</sub>	22	14.3	52.2	-60.2	311	14.3	52.2	-60.2	311	0.0	0.0	0.0	0.0	0.0

$g^* = 24.8$

$rgb: (Y - Z - V)_d$

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

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

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

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

$g^* = 24.8$

rgb: (Y - Z - V)<sub>d</sub>

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

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

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

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

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
Y <sub>d</sub>	1	90.8	-16.9	112.2	99	90.8	-16.9	112.2	99	0.0	0.0	0.0	0.0	
	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
	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
	4	78.3	-10.5	70.1	99	78.4	-14.6	84.6	100	0.0	-4.0	14.5	15.0	15.0
	5	74.2	-8.4	56.1	99	75.0	-13.7	70.5	101	0.8	-5.2	14.4	15.3	15.4
	6	70.0	-6.3	42.1	99	72.2	-11.7	52.0	103	2.2	-5.3	9.9	11.3	11.5
	7	65.9	-4.2	28.1	99	68.1	-9.2	34.7	105	2.2	-5.0	6.6	8.4	8.6
	8	61.7	-2.0	14.0	99	65.1	-5.6	18.7	107	3.4	-3.5	4.7	5.9	6.8
Z <sub>d</sub>	9	57.6	0.0	0.0	0	57.6	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
	10	55.1	0.2	-6.1	272	53.9	-0.1	-13.2	269	-1.1	-0.3	-7.0	7.1	7.2
	11	52.7	0.4	-12.3	272	49.2	-1.6	-23.5	266	-3.4	-2.0	-11.1	11.4	11.9
	12	50.3	0.6	-18.5	272	42.6	-0.2	-33.5	269	-7.6	-0.8	-14.9	15.0	16.9
	13	47.9	0.8	-24.7	272	36.8	2.9	-41.4	274	-11.0	2.1	-16.6	16.8	20.2
	14	45.5	1.0	-30.9	272	34.5	5.3	-45.8	277	-10.9	4.3	-14.8	15.5	19.0
	15	43.1	1.2	-37.1	272	35.2	5.7	-48.2	277	-7.8	4.5	-11.0	12.0	14.3
	16	40.6	1.4	-43.3	272	36.5	4.2	-48.7	275	-4.1	2.8	-5.3	6.1	7.4
B <sub>d</sub>	17	38.2	1.6	-49.5	272	38.2	1.6	-49.5	272	0.0	0.0	0.0	0.0	0.0
	18	90.8	-16.9	112.2	99	90.8	-16.9	112.2	99	0.0	0.0	0.0	0.0	0.0
Y <sub>d</sub>	19	74.2	-8.4	56.1	99	75.0	-13.7	70.5	101	0.8	-5.2	14.4	15.3	15.4
	20	57.6	0.0	0.0	0	57.6	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
Z <sub>d</sub>	21	47.9	0.8	-24.7	272	36.8	2.9	-41.4	274	-11.0	2.1	-16.6	16.8	20.2
	22	38.2	1.6	-49.5	272	38.2	1.6	-49.5	272	0.0	0.0	0.0	0.0	0.0

<

$g^* = 6.9$

rgb: (Y - Z - V)<sub>d</sub>

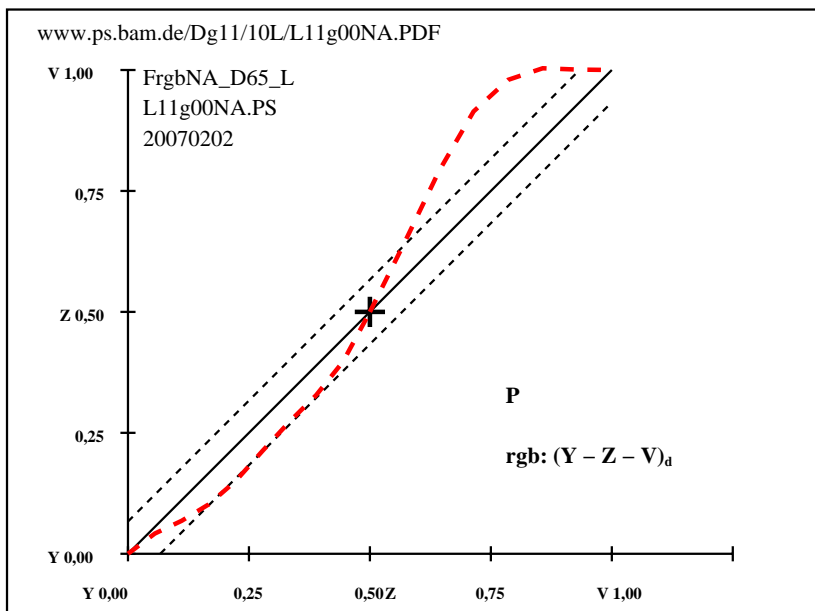
$\Delta H^*_{CIELAB} = 9.1$

$\Delta E^*_{CIELAB} = 10.0$

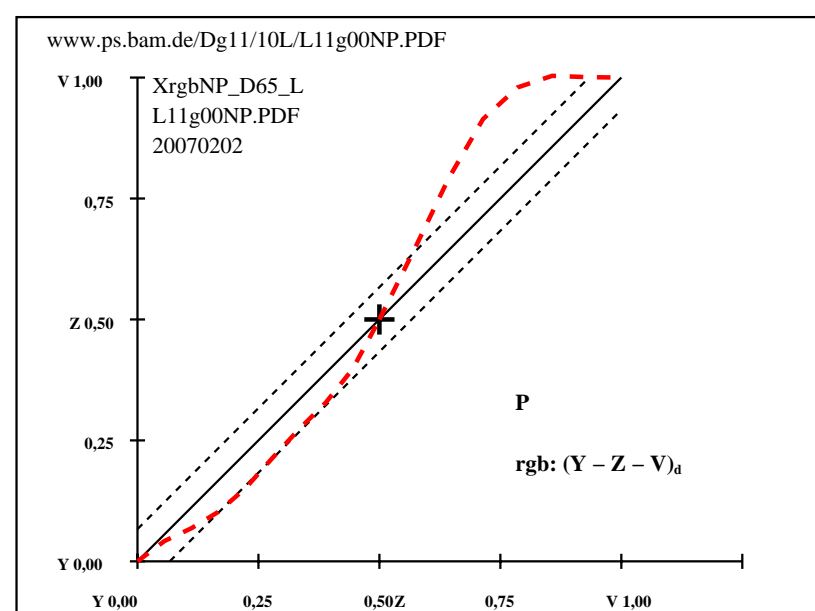
$\Delta H^*_{CIELAB} = 6.4$

$\Delta E^*_{CIELAB} = 7.1$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

TUB matrícula: 20160501-AF82/AF82L0NA.TXT /.PS

TUB material: code=rh4ta

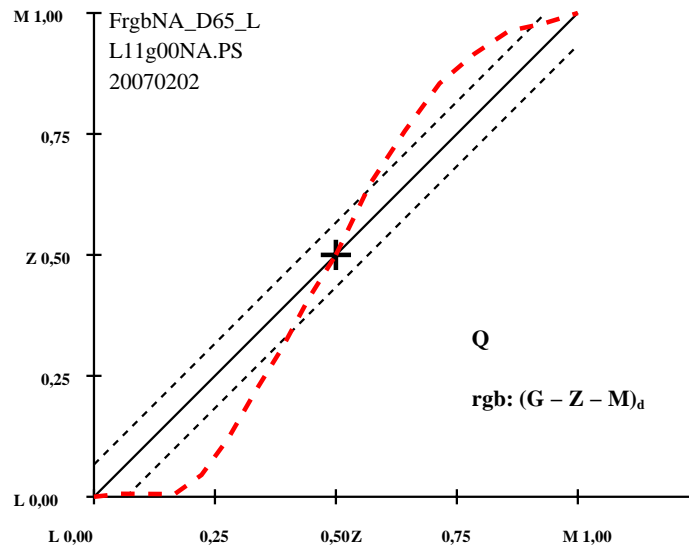
P"; rgb16/24

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$
G <sub>d</sub>	1	44.9-61.5	49.0	141	44.9-61.5	49.0	141	0.0 0.0 0.0 0.0 0.0
	2	46.6-54.3	42.8	142	49.7-59.8	45.3	143	3.0 -5.4 2.5 6.0 6.8
	3	48.3-47.1	36.6	142	54.3-56.7	40.4	145	5.9 -9.5 3.8 10.3 11.9
	4	50.0-39.9	30.4	143	57.3-51.4	35.8	145	7.3 -11.4 5.4 12.7 14.6
	5	51.8-32.7	24.3	144	59.6-43.8	29.2	146	7.8 -11.0 5.0 12.2 14.5
	6	53.5-25.5	18.1	145	60.3-35.8	24.2	146	6.8 -10.2 6.1 12.0 13.8
	7	55.2-18.3	11.9	147	60.3-26.4	16.3	148	5.1 -8.0 4.4 9.2 10.6
	8	56.9-11.1	5.7	153	59.7-15.7	8.1	153	2.8 -4.5 2.4 5.2 5.9
Z <sub>d</sub>	9	58.6 -3.9	-0.4	187	58.6 -3.9	-0.4	187	0.0 0.0 0.0 0.0 0.0
	10	56.1 6.5	-4.7	324	57.3 9.3	-9.2	315	1.2 2.8 -4.5 5.4 5.5
	11	53.5 16.9	-8.9	332	55.7 23.8	-17.3	324	2.1 6.9 -8.3 10.9 11.1
	12	51.0 27.4	-13.2	334	54.5 37.0	-23.7	327	3.4 9.6 -10.4 14.3 14.7
	13	48.5 37.9	-17.4	335	53.1 49.6	-28.3	330	4.6 11.8 -10.8 16.0 16.7
	14	46.0 48.3	-21.7	336	50.9 60.9	-31.6	333	4.9 12.6 -9.9 16.0 16.8
	15	43.5 58.8	-25.9	336	47.7 70.0	-33.8	334	4.2 11.2 -7.8 13.7 14.3
	16	41.0 69.2	-30.2	336	43.0 76.2	-35.0	335	2.0 7.0 -4.7 8.5 8.7
M <sub>d</sub>	17	38.5 79.7	-34.4	337	38.5 79.7	-34.4	337	0.0 0.0 0.0 0.0 0.0
G <sub>d</sub>	18	44.9-61.5	49.0	141	44.9-61.5	49.0	141	0.0 0.0 0.0 0.0 0.0
	19	51.8-32.7	24.3	144	59.6-43.8	29.2	146	7.8 -11.0 5.0 12.2 14.5
Z <sub>d</sub>	20	58.6 -3.9	-0.4	187	58.6 -3.9	-0.4	187	0.0 0.0 0.0 0.0 0.0
	21	48.5 37.9	-17.4	335	53.1 49.6	-28.3	330	4.6 11.8 -10.8 16.0 16.7
M <sub>d</sub>	22	38.5 79.7	-34.4	337	38.5 79.7	-34.4	337	0.0 0.0 0.0 0.0 0.0

 $g^* = 6.8$ rgb: (G - Z - M)<sub>d</sub> $\Delta H^*_{CIELAB} = 9.0$  $\Delta E^*_{CIELAB} = 9.8$  $\Delta H^*_{CIELAB} = 5.6$  $\Delta E^*_{CIELAB} = 6.2$ 

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

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AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

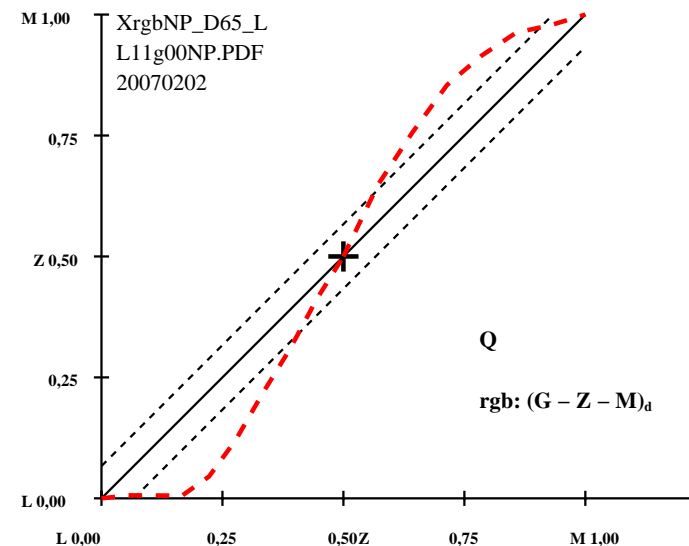
Q"; rgb17/24

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

 $g^* = 8.5$ rgb: (G - Z - M)<sub>d</sub> $\Delta H^*_{CIELAB} = 14.5$  $\Delta E^*_{CIELAB} = 15.3$  $\Delta H^*_{CIELAB} = 10.2$  $\Delta E^*_{CIELAB} = 10.8$ 

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202

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AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

T	i	LAB*a,ref			hab,ref			LAB*a,out			hab,out			LAB*a,out-ref			$\Delta H^* \Delta E^*$	
R	1	36.4	64.1	29.9	25	36.6	60.6	43.8	36	0.2	-3.4	13.9	14.3	14.3				
	2	39.7	55.6	49.6	42	80.1	2.0	103.6	89	40.4	-53.5	54.0	76.1	86.1				
	3	51.3	40.1	65.4	59	68.2	18.3	86.4	78	16.8	-21.7	21.0	30.3	34.6				
	4	64.7	22.0	83.7	75	53.2	39.5	66.1	59	-11.4	17.5	-17.5	24.8	27.3				
J	5	84.0	-3.7	109.8	92	84.4	-3.9	110.0	92	0.4	-0.1	0.2	0.2	0.4				
	6	66.6	-29.3	83.2	109	80.3	-12.7	104.2	97	13.7	16.6	21.0	26.8	30.1				
	7	53.8	-47.7	63.5	127	68.5	-33.4	85.6	111	14.7	14.3	22.1	26.4	30.2				
	8	44.8	-59.1	42.3	145	57.9	-48.4	69.3	125	13.1	10.7	27.0	29.1	31.9				
G	9	48.0	-48.3	15.7	162	44.2	-61.5	48.9	142	-3.7	-13.1	33.2	35.7	35.9				
	10	50.7	-39.2	-6.5	190	50.6	-48.4	-3.7	184	0.0	-9.1	2.8	9.6	9.6				
C'	11	52.8	-32.0	-24.1	217	53.9	-29.1	-31.5	227	1.1	2.9	-7.3	8.0	8.0				
	12	48.0	-17.0	-35.8	245	43.5	-6.9	-41.4	260	-4.4	10.1	-5.5	11.6	12.4				
B	13	38.9	1.5	-42.4	272	14.2	52.2	-60.3	311	-24.6	50.7	-17.8	53.8	59.2	rgb: (R-J-G-B-R) <sub>d</sub>			
	14	24.7	30.9	-52.9	300	27.8	65.1	-48.7	323	3.2	34.2	4.2	34.4	34.6				
M'	15	30.9	70.3	-43.0	329	38.7	79.5	-34.4	337	7.8	9.2	8.6	12.6	14.8				
	16	37.6	72.0	-4.0	357	37.6	71.9	-15.5	348	0.0	0.0	-11.4	11.5	11.5	$\Delta H^*_{CIELAB} = 23.8$			
R	17	36.4	64.1	29.9	25	35.8	61.1	45.0	36	-0.5	-2.9	15.1	15.4	15.4	$\Delta E^*_{CIELAB} = 26.9$			
R	18	36.4	64.1	29.9	25	36.6	60.6	43.8	36	0.2	-3.4	13.9	14.3	14.3				
J	19	84.0	-3.7	109.8	92	84.4	-3.9	110.0	92	0.4	-0.1	0.2	0.2	0.4				
G	20	48.0	-48.3	15.7	162	44.2	-61.5	48.9	142	-3.7	-13.1	33.2	35.7	35.9				
B	21	38.9	1.5	-42.4	272	14.2	52.2	-60.3	311	-24.6	50.7	-17.8	53.8	59.2	$\Delta H^*_{CIELAB} = 20.8$			
R	22	36.4	64.1	29.9	25	35.8	61.1	45.0	36	-0.5	-2.9	15.1	15.4	15.4	$\Delta E^*_{CIELAB} = 25.1$			

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

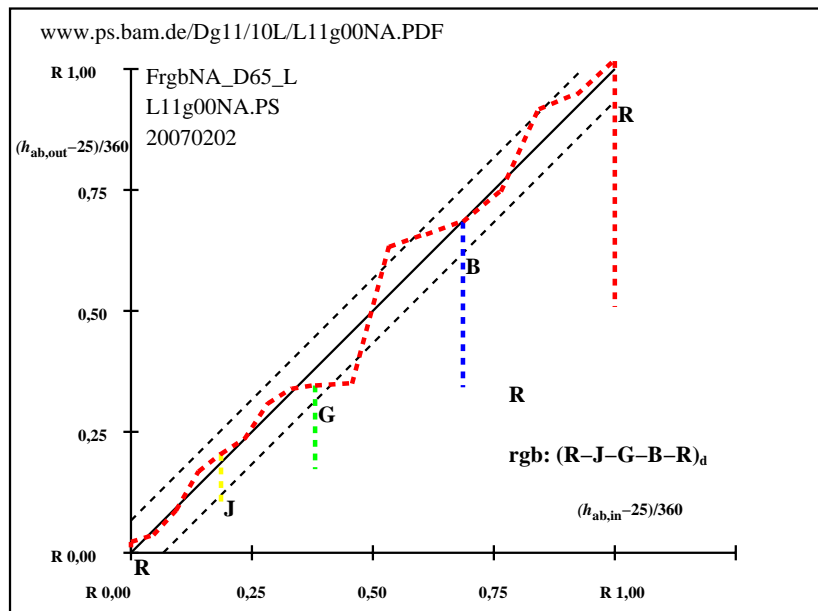
T	i	LAB*a <sub>ref</sub>				hab <sub>ref</sub> LAB*a <sub>out</sub>				hab <sub>out</sub> LAB*a <sub>out-ref</sub>				ΔH* ΔE*			
R	1	46.3	62.7	29.2	25	46.2	60.2	39.2	33	0.0	-2.4	10.0	10.3	10.3			
	2	50.5	52.8	47.1	42	47.0	58.3	45.9	38	-3.4	5.5	-1.1	5.6	6.6			
	3	59.3	37.6	61.3	58	56.4	41.7	62.8	56	-2.8	4.1	1.5	4.4	5.2			
	4	69.2	20.4	77.4	75	75.9	7.2	90.6	85	6.7	-13.1	13.2	18.6	19.8			
J	5	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99	7.7	-13.3	12.6	18.4	20.0			
	6	77.6	-31.8	90.0	110	76.6	-31.4	88.0	110	-0.9	0.4	-1.9	2.0	2.2			
	7	62.6	-48.6	64.6	127	55.6	-54.4	52.3	136	-6.9	-5.7	-12.2	13.6	15.3			
	8	50.5	-62.0	44.3	145	48.6	-63.3	41.1	147	-1.8	-1.2	-3.1	3.5	3.9			
G	9	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149	0.6	-7.7	19.8	21.3	21.3			
	10	48.4	-42.2	-7.0	190	48.2	-64.4	35.9	151	0.0	-22.1	43.0	48.4	48.4			
	C'	11	49.4	-32.2	-24.2	217	52.1	-16.3	-52.3	253	2.6	15.9	-28.0	32.3	32.4		
		12	50.6	-20.8	-43.7	245	46.0	-7.1	-50.1	262	-4.5	13.7	-6.3	15.1	15.8		
B		13	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271	0.7	-0.5	0.0	0.6	1.0		
		14	40.5	21.6	-36.9	300	33.5	19.1	-43.3	294	-6.9	-2.4	-6.3	6.8	9.8		
	M'	15	42.7	41.0	-25.0	329	46.2	71.5	-6.1	355	3.5	30.5	18.9	35.9	36.1		
		16	46.1	70.7	-3.9	357	46.0	67.5	7.0	6	0.0	-3.1	11.0	11.5	11.5		
R		17	46.3	62.7	29.2	25	46.2	60.8	36.4	31	0.0	-1.8	7.2	7.4	7.4		
		18	46.3	62.7	29.2	25	46.2	60.2	39.2	33	0.0	-2.4	10.0	10.3	10.3		
	J	19	83.1	-3.4	99.8	92	90.8	-16.8	112.4	99	7.7	-13.3	12.6	18.4	20.0		
		20	46.8	-57.2	18.6	162	47.3	-65.0	38.4	149	0.6	-7.7	19.8	21.3	21.3		
G		21	38.4	1.7	-49.1	272	39.2	1.1	-49.2	271	0.7	-0.5	0.0	0.6	1.0		
		22	46.3	62.7	29.2	25	46.2	60.8	36.4	31	0.0	-1.8	7.2	7.4	7.4		

rgb: (R-J-G-B-R)<sub>d</sub>

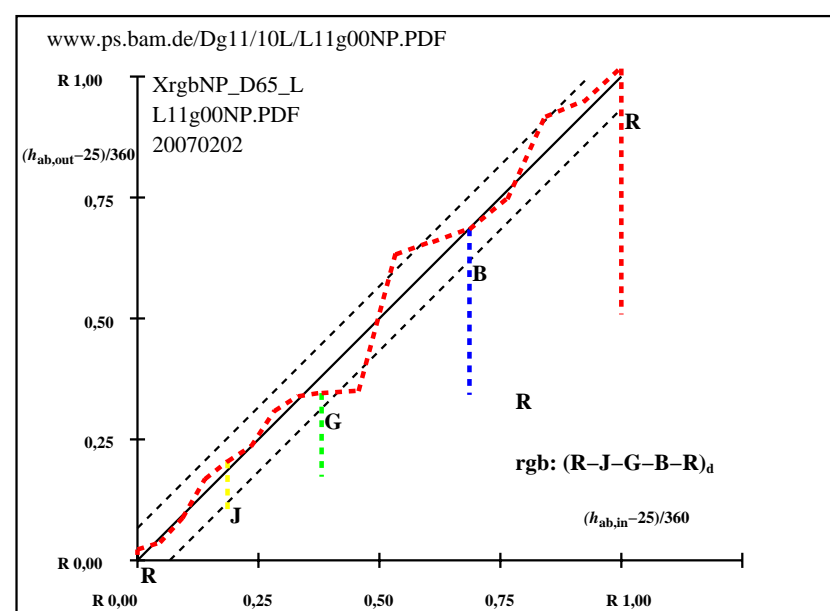
$\Delta H^*_{CIELAB} = 14.6$   
 $\Delta E^*_{CIELAB} = 15.7$

$\Delta H^*_{CIELAB} = 10.1$   
 $\Delta E^*_{CIELAB} = 12.0$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

R"; rgb18/24

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	1.7	3.7	9.6	10.3 10.4
	2	24.2	27.8	24.8	42	47.6	-2.3	55.8	92	23.4	-30.1	31.0	43.3 49.2
	3	30.0	20.0	32.7	59	40.4	9.2	45.9	79	10.4	-10.7	13.2	17.1 20.0
	4	36.7	11.0	41.8	75	31.9	23.1	34.8	56	-4.7	12.1	-6.9	14.0 14.8
J	5	46.3	-1.8	54.9	92	54.9	-14.0	66.1	102	8.6	-12.1	11.2	16.5 18.6
	6	37.6	-14.6	41.6	109	50.9	-23.6	59.8	112	13.3	-8.9	18.2	20.3 24.3
	7	31.2	-23.8	31.7	127	46.5	-32.8	53.0	122	15.3	-8.9	21.3	23.1 27.7
	8	26.7	-29.5	21.1	145	41.8	-42.0	45.4	133	15.1	-12.4	24.3	27.3 31.2
G	9	28.3	-24.1	7.9	162	36.2	-49.6	37.9	143	7.9	-25.4	30.0	39.4 40.2
	10	29.7	-19.5	-3.2	190	38.9	-41.3	5.4	173	9.2	-21.7	8.7	23.4 25.2
C'	11	30.7	-15.9	-12.0	217	40.8	-28.6	-15.6	209	10.1	-12.6	-3.5	13.2 16.6
	12	28.3	-8.5	-17.9	245	28.3	-1.5	-29.7	267	0.0	7.0	-11.7	13.7 13.7
B	13	23.8	0.7	-21.2	272	11.9	34.7	-43.9	308	-11.8	34.0	-22.6	40.9 42.6
	14	16.7	15.5	-26.4	300	18.8	42.6	-38.8	318	2.1	27.1	-12.3	29.8 29.9
M'	15	19.8	35.2	-21.4	329	26.0	52.6	-29.9	330	6.3	17.4	-8.4	19.4 20.4
	16	23.1	36.0	-1.9	357	24.5	43.6	-10.0	347	1.3	7.6	-8.0	11.1 11.1
R	17	22.5	32.1	14.9	25	23.0	35.3	23.8	34	0.4	3.2	8.9	9.4 9.4
R	18	22.5	32.1	14.9	25	24.2	35.8	24.5	34	1.7	3.7	9.6	10.3 10.4
J	19	46.3	-1.8	54.9	92	54.9	-14.0	66.1	102	8.6	-12.1	11.2	16.5 18.6
G	20	28.3	-24.1	7.9	162	36.2	-49.6	37.9	143	7.9	-25.4	30.0	39.4 40.2
B	21	23.8	0.7	-21.2	272	11.9	34.7	-43.9	308	-11.8	34.0	-22.6	40.9 42.6
R	22	22.5	32.1	14.9	25	23.0	35.3	23.8	34	0.4	3.2	8.9	9.4 9.4

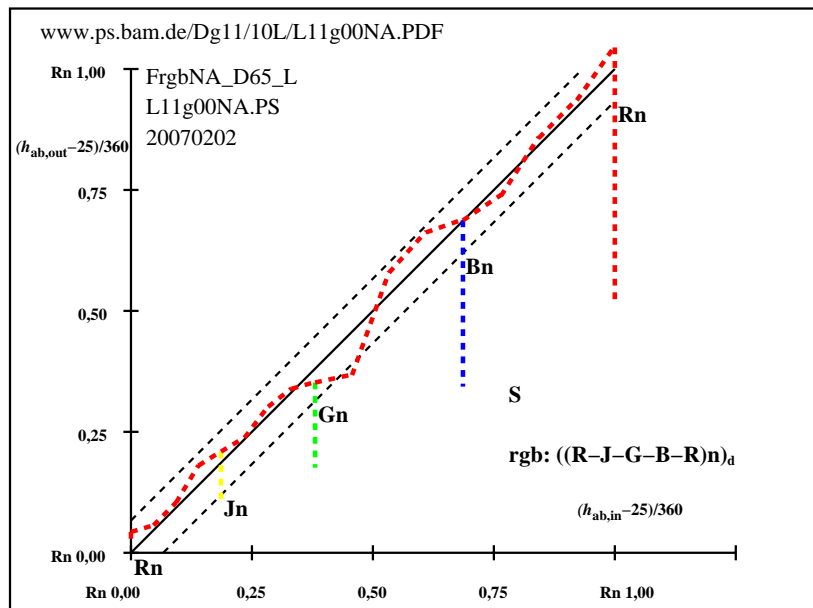
rgb: ((R-J-G-B-R)n)<sub>d</sub>

ΔH\*<sub>CIELAB</sub> = 21.3  
ΔE\*<sub>CIELAB</sub> = 23.8

ΔH\*<sub>CIELAB</sub> = 21.4  
ΔE\*<sub>CIELAB</sub> = 24.2

rgb: ((R-J-G-B-R)n)<sub>d</sub>ΔH\*<sub>CIELAB</sub> = 21.3ΔE\*<sub>CIELAB</sub> = 23.8ΔH\*<sub>CIELAB</sub> = 21.4ΔE\*<sub>CIELAB</sub> = 24.2

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

S"; rgb19/24

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	1.9 3.1 14.8 15.1 15.2
	2	36.1	26.4	23.6	42	36.9 30.7 31.1 45	0.8 4.3 7.5 8.7 8.7
	3	40.5	18.8	30.7	58	41.3 20.1 38.2 62	0.8 1.3 7.5 7.6 7.7
	4	45.5	10.2	38.7	75	51.7 0.1 54.2 90	6.2-10.0 15.5 18.5 19.5
J	5	52.4	-1.6	49.9	92	59.6-11.9 66.0 100	7.3-10.2 16.1 19.1 20.4
	6	49.6	-15.8	45.0	110	55.0-21.3 57.0 111	5.4 -5.4 12.0 13.2 14.2
	7	42.1	-24.2	32.3	127	45.6-37.7 39.7 134	3.5-13.4 7.4 15.4 15.7
	8	36.1	-31.0	22.2	145	40.7-47.2 30.7 147	4.6-16.1 8.5 18.3 18.9
G	9	34.2	-28.5	9.3	162	38.5-49.9 26.9 152	4.2-21.3 17.6 27.7 28.0
	10	35.0	-21.1	-3.4	190	33.8-38.0 16.0 157	-1.1-16.8 19.5 25.9 25.9
C'	11	35.5	-16.0	-12.1	217	37.0-19.8-26.7 233	1.4 -3.7-14.5 15.1 15.2
	12	36.1	-10.4	-21.8	245	32.2 -4.0-35.3 263	-3.9 6.4-13.4 14.9 15.4
B	13	30.0	0.9	-24.5	272	28.4 1.4-34.1 272	-1.5 0.5 -9.5 9.6 9.8
	14	31.1	10.8	-18.4	300	26.0 15.0-40.0 291	-4.9 4.2-21.5 22.0 22.6
M'	15	32.2	20.5	-12.4	329	30.4 41.8-20.6 334	-1.7 21.3 -8.1 22.8 22.9
	16	33.9	35.4	-1.9	357	31.8 40.2 1.2 2	-2.0 4.8 3.2 5.8 6.2
R	17	34.0	31.3	14.6	25	36.1 34.0 29.6 41	2.2 2.7 15.0 15.2 15.4
	18	34.0	31.3	14.6	25	35.8 34.4 29.4 41	1.9 3.1 14.8 15.1 15.2
J	19	52.4	-1.6	49.9	92	59.6-11.9 66.0 100	7.3-10.2 16.1 19.1 20.4
	20	34.2	-28.5	9.3	162	38.5-49.9 26.9 152	4.2-21.3 17.6 27.7 28.0
G	21	30.0	0.9	-24.5	272	28.4 1.4-34.1 272	-1.5 0.5 -9.5 9.6 9.8
	22	34.0	31.3	14.6	25	36.1 34.0 29.6 41	2.2 2.7 15.0 15.2 15.4

rgb: ((R-J-G-B-R)n)<sub>d</sub>

ΔH\*<sub>CIELAB</sub> = 15.3

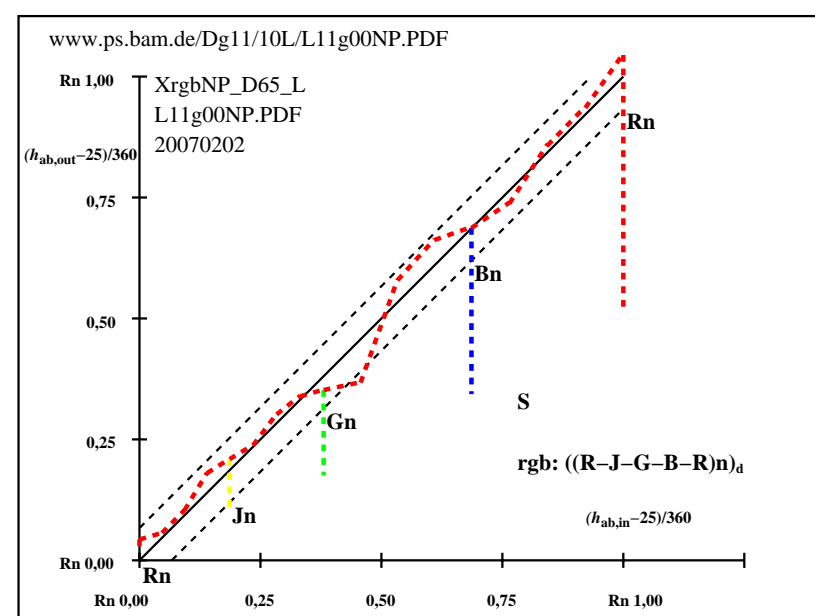
ΔE\*<sub>CIELAB</sub> = 16.6

ΔH\*<sub>CIELAB</sub> = 14.3

ΔE\*<sub>CIELAB</sub> = 17.6

rgb: ((R-J-G-B-R)n)<sub>d</sub>ΔH\*<sub>CIELAB</sub> = 15.3ΔE\*<sub>CIELAB</sub> = 16.6ΔH\*<sub>CIELAB</sub> = 14.3ΔE\*<sub>CIELAB</sub> = 17.6

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

T	i	LAB*a,ref		hab,ref		LAB*a,out		hab,out		LAB*a,out-ref		ΔH* ΔE*		
R	1	64.5	32.1	14.9	25	70.6	25.0	11.9	25	6.0	-7.0	-2.9	7.7	9.8
	2	66.2	27.8	24.8	42	90.4	-7.3	39.2	101	24.2	-35.1	14.4	38.0	45.1
	3	72.0	20.0	32.7	59	84.4	2.3	30.8	86	12.4	-17.6	-1.8	17.8	21.7
	4	78.7	11.0	41.8	75	77.7	13.1	22.0	59	-0.9	2.1	-19.7	19.9	20.0
J	5	88.3	-1.8	54.9	92	90.4	-7.8	39.8	101	2.1	-5.9	-15.0	16.3	16.4
	6	79.6	-14.6	41.6	109	90.1	-8.4	39.7	102	10.4	6.2	-1.8	6.5	12.3
	7	73.2	-23.8	31.7	127	86.2	-16.9	34.7	116	13.0	6.9	3.0	7.5	15.0
	8	68.7	-29.5	21.1	145	80.7	-26.3	28.0	133	12.0	3.2	6.9	7.6	14.2
G	9	70.3	-24.1	7.9	162	74.9	-33.7	21.4	148	4.6	-9.5	13.5	16.6	17.2
	10	71.7	-19.5	-3.2	190	77.6	-25.1	-5.3	192	5.9	-5.5	-2.0	5.9	8.4
C'	11	72.7	-15.9	-12.0	217	78.5	-20.5	-15.4	217	5.8	-4.5	-3.3	5.7	8.1
	12	70.3	-8.5	-17.9	245	73.2	-10.3	-21.1	244	2.9	-1.7	-3.1	3.7	4.7
B	13	65.8	0.7	-21.2	272	60.3	13.5	-32.8	292	-5.4	12.8	-11.5	17.3	18.1
	14	58.6	15.5	-26.4	300	68.1	29.4	-25.1	319	9.4	13.9	1.3	14.0	16.9
M'	15	61.8	35.2	-21.4	329	71.2	37.2	-21.4	330	9.5	2.0	0.0	2.0	9.7
	16	65.1	36.0	-1.9	357	70.5	33.8	-12.7	339	5.3	-2.1	-10.7	11.0	12.2
R	17	64.5	32.1	14.9	25	69.4	26.3	12.6	26	4.9	-5.7	-2.2	6.2	7.9
R	18	64.5	32.1	14.9	25	70.6	25.0	11.9	25	6.0	-7.0	-2.9	7.7	9.8
J	19	88.3	-1.8	54.9	92	90.4	-7.8	39.8	101	2.1	-5.9	-15.0	16.3	16.4
G	20	70.3	-24.1	7.9	162	74.9	-33.7	21.4	148	4.6	-9.5	13.5	16.6	17.2
B	21	65.8	0.7	-21.2	272	60.3	13.5	-32.8	292	-5.4	12.8	-11.5	17.3	18.1
R	22	64.5	32.1	14.9	25	69.4	26.3	12.6	26	4.9	-5.7	-2.2	6.2	7.9

rgb: ((R-J-G-B-R)w)<sub>d</sub>

ΔH\*<sub>CIELAB</sub> = 11.6

ΔE\*<sub>CIELAB</sub> = 15.2

ΔH\*<sub>CIELAB</sub> = 11.6

ΔE\*<sub>CIELAB</sub> = 13.5

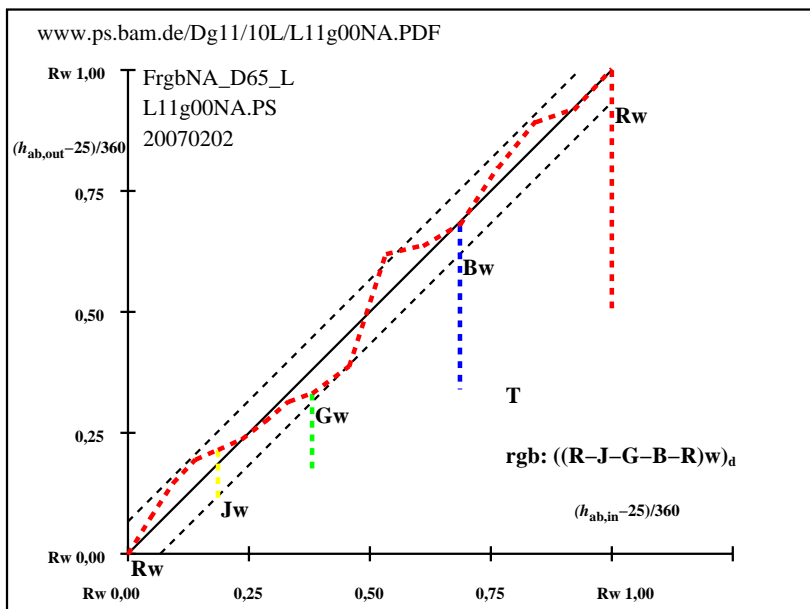
rgb: ((R-J-G-B-R)w)<sub>d</sub>ΔH\*<sub>CIELAB</sub> = 11.6ΔE\*<sub>CIELAB</sub> = 15.2

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

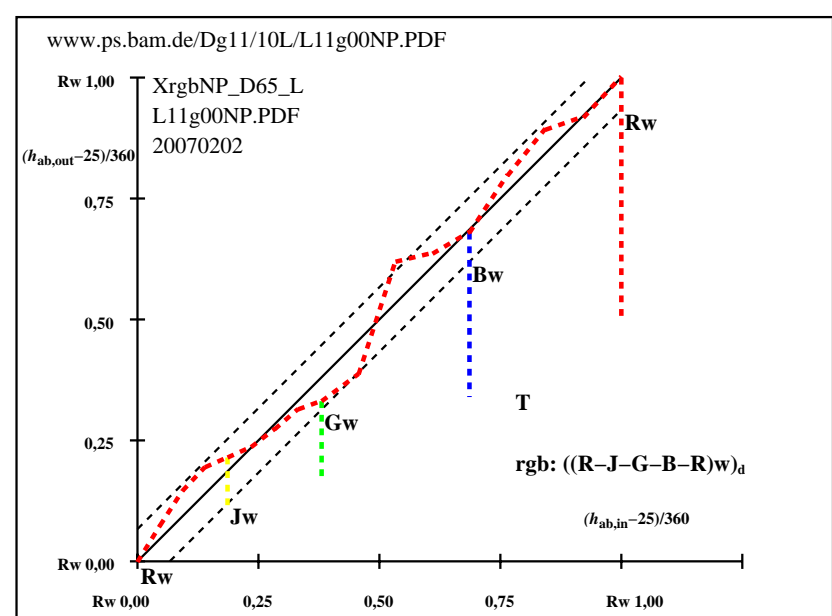
T	i	LAB*a <sub>ref</sub>				LAB*a <sub>out</sub>				LAB*a <sub>out-ref</sub>				ΔH* ΔE*	
R	1	70.9	31.3	14.6	25	61.7	40.1	18.3	25	-9.1	8.8	3.7	9.5	13.2	
	2	73.0	26.4	23.6	42	70.5	23.3	29.4	52	-2.4	-3.0	5.8	6.6	7.1	
	3	77.4	18.8	30.7	58	78.0	9.4	42.3	77	0.6	-9.3	11.6	14.9	15.0	
	4	82.4	10.2	38.7	75	86.6	-4.7	54.9	95	4.2	-14.9	16.2	22.1	22.5	
J	5	89.3	-1.6	49.9	92	92.1	-16.1	74.7	102	2.9	-14.4	24.8	28.7	28.9	
	6	86.5	-15.8	45.0	110	84.8	-23.4	64.8	110	-1.6	-7.5	19.8	21.2	21.3	
	7	79.0	-24.2	32.3	127	72.7	-34.2	52.4	123	-6.2	-9.9	20.1	22.4	23.3	
	8	73.0	-31.0	22.2	145	61.7	-46.1	41.5	138	-11.2	-15.0	19.3	24.6	27.0	
G	9	71.1	-28.5	9.3	162	56.1	-53.3	38.6	144	-14.9	-24.7	29.3	38.4	41.2	
	10	71.9	-21.1	-3.4	190	59.5	-43.4	12.4	164	-12.3	-22.2	15.9	27.5	30.1	
	C' 11	72.4	-16.0	-12.1	217	60.8	-15.7	-38.9	248	-11.5	0.3	-26.7	26.8	29.3	
	12	73.0	-10.4	-21.8	245	62.9	-8.2	-28.6	254	-10.0	2.2	-6.7	7.1	12.4	
B	13	66.9	0.9	-24.5	272	58.8	-0.2	-35.4	270	-8.0	-1.1	-10.8	11.0	13.7	rgb: ((R-J-G-B-R)w) <sub>d</sub>
	14	68.0	10.8	-18.4	300	54.8	23.8	-26.4	312	-13.1	13.0	-7.9	15.3	20.2	
	M' 15	69.1	20.5	-12.4	329	61.0	47.4	-11.6	346	-7.9	26.9	0.8	26.9	28.1	
	16	70.8	35.4	-1.9	357	59.0	43.8	-3.7	355	-11.7	8.4	-1.7	8.6	14.7	
R	17	70.9	31.3	14.6	25	63.0	38.0	17.6	25	-7.8	6.7	3.0	7.3	10.8	ΔH* <sub>CIELAB</sub> = 18.3
	18	70.9	31.3	14.6	25	61.7	40.1	18.3	25	-9.1	8.8	3.7	9.5	13.2	ΔE* <sub>CIELAB</sub> = 21.1
	J 19	89.3	-1.6	49.9	92	92.1	-16.1	74.7	102	2.9	-14.4	24.8	28.7	28.9	
	G 20	71.1	-28.5	9.3	162	56.1	-53.3	38.6	144	-14.9	-24.7	29.3	38.4	41.2	
B	21	66.9	0.9	-24.5	272	58.8	-0.2	-35.4	270	-8.0	-1.1	-10.8	11.0	13.7	ΔH* <sub>CIELAB</sub> = 17.5
	22	70.9	31.3	14.6	25	63.0	38.0	17.6	25	-7.8	6.7	3.0	7.3	10.8	ΔE* <sub>CIELAB</sub> = 19.5

rgb: ((R-J-G-B-R)w)<sub>d</sub>ΔH\*<sub>CIELAB</sub> = 18.3ΔE\*<sub>CIELAB</sub> = 21.1

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...

salida: ->rgb<sub>dd</sub> setrgbcolor

T"; rgb20/24



T	i	LAB*a,ref			hab,ref	LAB*a,out			hab,out	LAB*a,out/c-ref				$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	9.1	0.0	0.2	90	9.1	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	
	2	14.4	0.0	0.2	90	14.6	0.3	-1.7	279	0.2	0.3	-1.9	2.0	2.0	
	3	19.6	0.0	0.2	90	21.7	-0.4	-2.7	260	2.1	-0.4	-2.9	3.0	3.7	
	4	24.8	0.0	0.2	90	28.4	-1.8	-1.9	226	3.6	-1.8	-2.1	2.9	4.6	<i>CIELAB</i>
	5	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227	5.5	-2.1	-2.5	3.4	6.4	$\Delta L^* = 92.81 - 9.12$
	6	35.3	0.0	0.1	90	41.3	-2.6	-0.4	190	6.1	-2.6	-0.5	2.8	6.7	
	7	40.5	0.0	0.1	90	46.8	-2.6	-0.7	197	6.3	-2.6	-0.8	2.9	6.9	$g^* = 42.5$
	8	45.7	0.0	0.1	90	52.9	-3.7	-0.2	185	7.2	-3.7	-0.3	3.8	8.1	
Z <sub>d</sub>	9	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193	7.3	-3.7	-0.9	3.9	8.3	
	10	56.2	0.0	0.1	90	63.8	-3.2	-1.2	202	7.6	-3.2	-1.3	3.6	8.4	$f^* = 108.1$
	11	61.4	0.0	0.1	90	69.8	-1.8	-1.5	220	8.4	-1.8	-1.6	2.5	8.7	
	12	66.7	0.0	0.1	90	75.6	-0.8	-1.6	242	9.0	-0.8	-1.7	2.0	9.2	
	13	71.9	0.0	0.1	90	81.6	0.0	-1.1	270	9.7	0.0	-1.2	1.3	9.8	<b>000n: (N - W)<sub>d</sub></b>
	14	77.1	0.0	0.0	90	87.1	0.0	0.0	270	10.0	0.0	0.0	0.1	10.0	
	15	82.3	0.0	0.0	90	92.1	-0.6	1.1	122	9.8	-0.6	1.1	1.3	9.8	
	16	87.6	0.0	0.0	90	92.9	0.0	0.0	0	5.3	0.0	0.0	0.0	5.3	$\Delta H^*_{CIELAB} = 2.1$
W <sub>d</sub>	17	92.8	0.0	0.0	0	92.8	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 6.3$
N <sub>d</sub>	18	9.1	0.0	0.2	90	9.1	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	
	19	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227	5.5	-2.1	-2.5	3.4	6.4	
	20	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193	7.3	-3.7	-0.9	3.9	8.3	
Z <sub>d</sub>	21	71.9	0.0	0.1	90	81.6	0.0	-1.1	270	9.7	0.0	-1.2	1.3	9.8	$\Delta H^*_{CIELAB} = 1.7$
	22	92.8	0.0	0.0	0	92.8	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	$\Delta E^*_{CIELAB} = 4.9$
$R^*_{ab,m} = 72$															

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$						
N <sub>d</sub>	1	22.6	0.2	7.1	88	22.6	0.2	7.1	88	0.0	0.0	0.0	0.0	0.0
	2	27.2	0.2	6.7	88	25.1	0.3	7.2	88	-2.0	0.1	0.5	0.5	2.2
	3	31.7	0.2	6.2	88	28.1	0.3	6.9	88	-3.5	0.1	0.7	0.7	3.7
	4	36.3	0.2	5.8	88	33.3	0.2	6.3	88	-2.9	0.0	0.5	0.5	3.0
	5	40.8	0.2	5.4	88	37.9	0.2	5.9	88	-2.8	0.1	0.5	0.5	3.0
	6	45.4	0.1	4.9	88	43.2	0.1	5.3	89	-2.0	0.0	0.4	0.4	2.2
	7	49.9	0.1	4.5	88	47.2	0.1	4.8	89	-2.6	0.0	0.3	0.3	2.7
	8	54.5	0.1	4.1	88	52.6	0.1	4.4	89	-1.8	0.0	0.3	0.3	1.9
Z <sub>d</sub>	9	59.0	0.1	3.7	88	58.4	0.0	3.9	90	-0.5	0.0	0.3	0.3	0.7
	10	63.6	0.1	3.2	88	63.4	0.1	3.2	88	0.0	0.0	0.0	0.0	0.1
	11	68.1	0.1	2.8	88	68.8	0.0	2.7	90	0.7	0.0	0.0	0.1	0.7
	12	72.7	0.1	2.4	88	73.5	0.0	2.5	90	0.8	0.0	0.1	0.2	0.8
	13	77.2	0.1	1.9	89	76.9	0.1	1.9	87	-0.3	0.1	0.0	0.1	0.4
	14	81.8	0.0	1.5	89	81.7	0.0	1.6	90	0.0	0.0	0.1	0.1	0.1
	15	86.3	0.0	1.1	89	85.4	0.0	1.0	90	-0.9	0.0	0.0	0.1	1.0
	16	90.9	0.0	0.6	89	88.9	0.0	0.7	90	-1.9	0.0	0.1	0.1	2.0
W <sub>d</sub>	17	95.4	0.0	0.2	90	95.4	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0
N <sub>d</sub>	18	22.6	0.2	7.1	88	22.6	0.2	7.1	88	0.0	0.0	0.0	0.0	0.0
	19	40.8	0.2	5.4	88	37.9	0.2	5.9	88	-2.8	0.1	0.5	0.5	3.0
Z <sub>d</sub>	20	59.0	0.1	3.7	88	58.4	0.0	3.9	90	-0.5	0.0	0.3	0.3	0.7
	21	77.2	0.1	1.9	89	76.9	0.1	1.9	87	-0.3	0.1	0.0	0.1	0.4
W <sub>d</sub>	22	95.4	0.0	0.2	90	95.4	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0

$\Delta H^*_{CIELAB} = 0.2$

$\Delta E^*_{CIELAB} = 1.4$

$g^* = 74.4$

$f^* = 94.0$

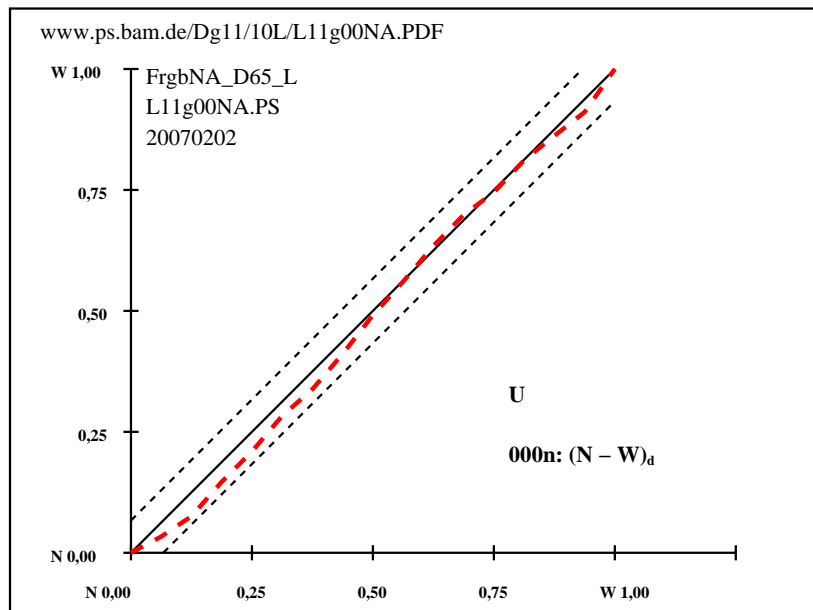
**000n: (N - W)<sub>d</sub>**

$\Delta H^*_{CIELAB} = 0.2$

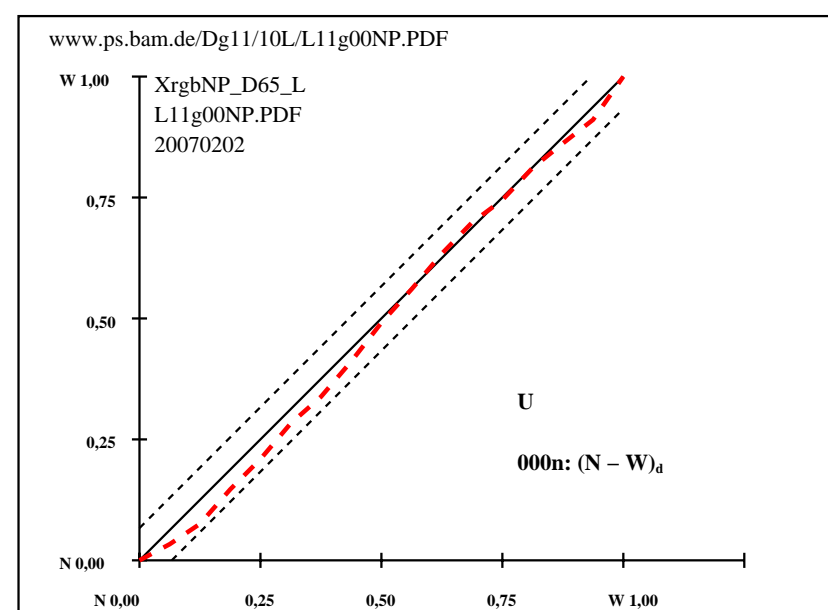
$\Delta E^*_{CIELAB} = 0.8$

$R^*_{ab,m} = 94$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: *rgb/cmy0/000n/w set...*  
 salida: *->rgb<sub>dd</sub> setrgbcolor*

U"; rgb21/24

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	8.7	0.0	0.0	0	8.7	0.0	0.0
	2	13.9	0.0	0.0	0	13.9	0.7	-2.5
	3	19.1	0.0	0.0	0	20.8	-0.2	-3.9
	4	24.4	0.0	0.0	0	27.4	-1.8	-3.0
	5	29.6	0.0	0.0	0	34.4	-2.2	-3.4
	6	34.9	0.0	0.0	0	40.2	-2.7	-1.7
	7	40.1	0.0	0.0	0	45.9	-3.1	-1.5
	8	45.4	0.0	0.0	0	52.0	-3.9	-1.1
Z <sub>d</sub>	9	50.6	0.0	0.0	0	57.5	-3.9	-1.5
	10	55.9	0.0	0.0	0	63.4	-3.1	-1.9
	11	61.1	0.0	0.0	0	69.1	-1.8	-2.1
	12	66.4	0.0	0.0	0	75.2	-0.6	-2.1
	13	71.6	0.0	0.0	0	81.2	0.1	-1.4
	14	76.9	0.0	0.0	0	86.9	0.0	-0.1
	15	82.1	0.0	0.0	0	92.0	-0.7	1.1
	16	87.4	0.0	0.0	0	92.7	0.0	0.0
W <sub>d</sub>	17	92.6	0.0	0.0	0	92.6	0.0	0.0
N <sub>d</sub>	18	8.7	0.0	0.0	0	8.7	0.0	0.0
	19	29.6	0.0	0.0	0	34.4	-2.2	-3.4
Z <sub>d</sub>	20	50.6	0.0	0.0	0	57.5	-3.9	-1.5
	21	71.6	0.0	0.0	0	81.2	0.1	-1.4
W <sub>d</sub>	22	92.6	0.0	0.0	0	92.6	0.0	0.0

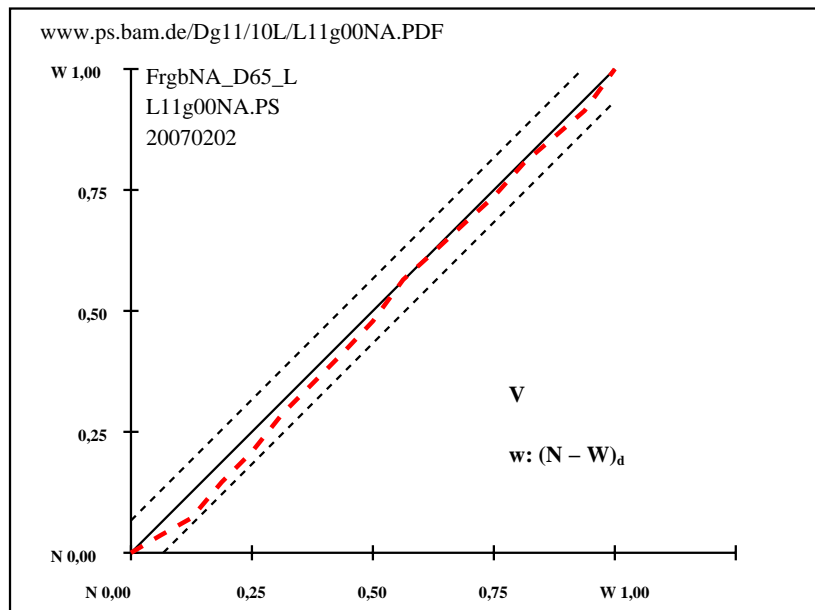
**CIELAB**  
 $\Delta L^* = 92.63 - 8.65$   
 $g^* = 44.4$   
 $f^* = 108.5$   
**w: (N - W)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 2.5$   
 $\Delta E^*_{CIELAB} = 6.3$   
 $\Delta H^*_{CIELAB} = 2.0$   
 $\Delta E^*_{CIELAB} = 4.8$   
 $R^*_{ab,m} = 72$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129

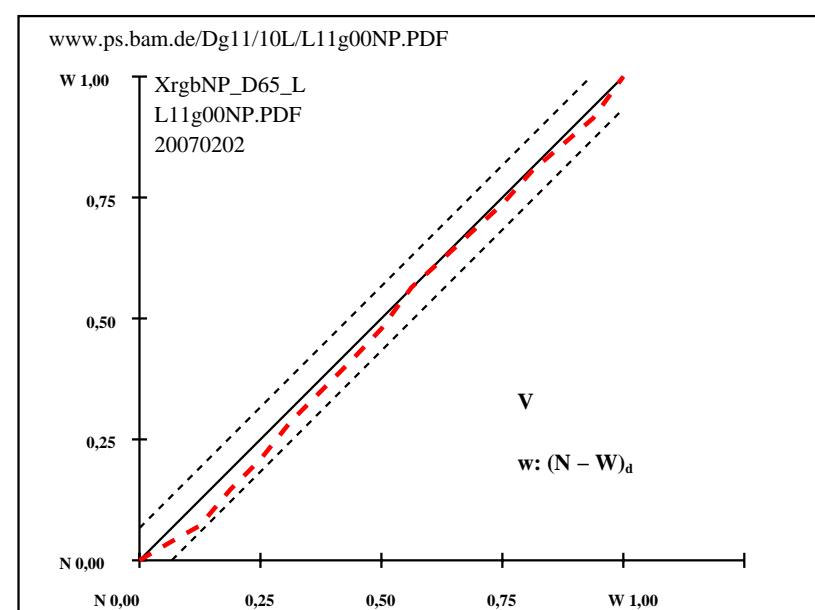
i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	21.3	0.0	-0.1	243	21.3	0.0
	2	25.9	0.0	-0.1	242	24.0	0.0
	3	30.6	0.0	-0.1	240	26.6	0.0
	4	35.2	0.0	-0.1	238	32.1	0.0
	5	39.8	0.0	-0.1	236	36.8	0.0
	6	44.5	0.0	0.0	234	42.6	0.0
	7	49.1	0.0	0.0	231	47.2	0.0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

**CIELAB**  
 $\Delta L^* = 95.51 - 21.27$   
 $g^* = 77.3$   
 $f^* = 95.9$   
**w: (N - W)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 0.2$   
 $\Delta E^*_{CIELAB} = 1.5$   
 $\Delta H^*_{CIELAB} = 0.2$   
 $\Delta E^*_{CIELAB} = 1.1$   
 $R^*_{ab,m} = 94$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

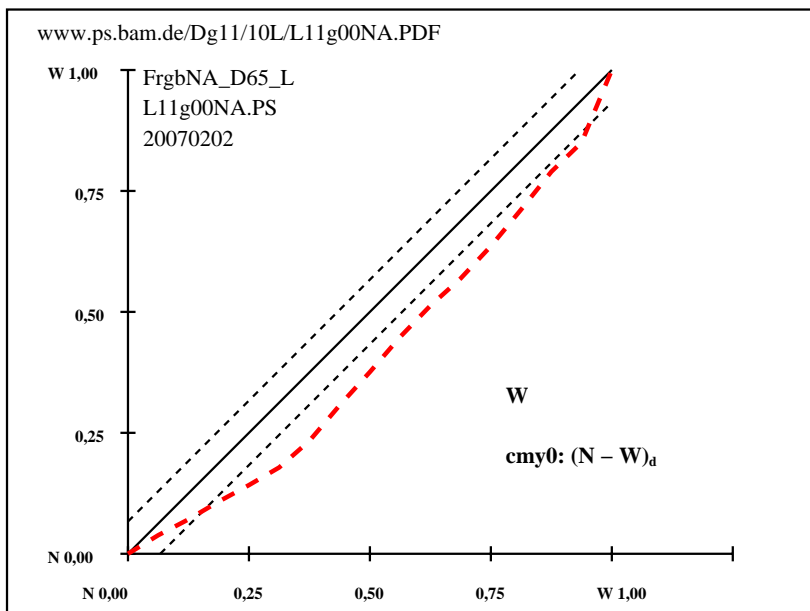
entrada: rgb/cmy0/000n/w set...  
salida: ->rgb<sub>dd</sub> setrgbcolor

V"; rgb22/24

vea archivos semejantes: <http://farbe.li.tu-berlin.de/AF82/AF82.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

T	i	LAB*a <sub>ref</sub>			hab <sub>ref</sub>	LAB*a <sub>out</sub>			hab <sub>out</sub>	LAB*a <sub>out</sub> /c-ref ΔH* ΔE*					
N <sub>d</sub>	1	9.1	0.0	0.2	90	9.1	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	
	2	14.4	0.0	0.2	90	14.6	0.3	-1.7	279	0.2	0.3	-1.9	2.0	2.0	
	3	19.6	0.0	0.2	90	21.7	-0.4	-2.7	260	2.1	-0.4	-2.9	3.0	3.7	
	4	24.8	0.0	0.2	90	28.4	-1.8	-1.9	226	3.6	-1.8	-2.1	2.9	4.6	<i>CIELAB</i>
	5	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227	5.5	-2.1	-2.5	3.4	6.4	ΔL* = 92.81 - 9.12
	6	35.3	0.0	0.1	90	41.3	-2.6	-0.4	190	6.1	-2.6	-0.5	2.8	6.7	
	7	40.5	0.0	0.1	90	46.8	-2.6	-0.7	197	6.3	-2.6	-0.8	2.9	6.9	g* = 42.5
Z <sub>d</sub>	8	45.7	0.0	0.1	90	52.9	-3.7	-0.2	185	7.2	-3.7	-0.3	3.8	8.1	
	9	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193	7.3	-3.7	-0.9	3.9	8.3	
	10	56.2	0.0	0.1	90	63.8	-3.2	-1.2	202	7.6	-3.2	-1.3	3.6	8.4	f* = 108.1
	11	61.4	0.0	0.1	90	69.8	-1.8	-1.5	220	8.4	-1.8	-1.6	2.5	8.7	
	12	66.7	0.0	0.1	90	75.6	-0.8	-1.6	242	9.0	-0.8	-1.7	2.0	9.2	
	13	71.9	0.0	0.1	90	81.6	0.0	-1.1	270	9.7	0.0	-1.2	1.3	9.8	cmy0: (N - W) <sub>d</sub>
	14	77.1	0.0	0.0	90	87.1	0.0	0.0	270	10.0	0.0	0.0	0.0	10.0	
W <sub>d</sub>	15	82.3	0.0	0.0	90	92.1	-0.6	1.1	122	9.8	-0.6	1.1	1.3	9.8	
	16	87.6	0.0	0.0	90	92.9	0.0	0.0	0	5.3	0.0	0.0	0.0	5.3	ΔH* <sub>CIELAB</sub> = 2.1
	17	92.8	0.0	0.0	0	92.8	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* <sub>CIELAB</sub> = 6.3
N <sub>d</sub>	18	9.1	0.0	0.2	90	9.1	0.0	0.2	90	0.0	0.0	0.0	0.0	0.0	
	19	30.0	0.0	0.2	90	35.5	-2.1	-2.3	227	5.5	-2.1	-2.5	3.4	6.4	
Z <sub>d</sub>	20	51.0	0.0	0.1	90	58.3	-3.7	-0.8	193	7.3	-3.7	-0.9	3.9	8.3	
	21	71.9	0.0	0.1	90	81.6	0.0	-1.1	270	9.7	0.0	-1.2	1.3	9.8	ΔH* <sub>CIELAB</sub> = 1.7
W <sub>d</sub>	22	92.8	0.0	0.0	0	92.8	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	ΔE* <sub>CIELAB</sub> = 4.9
R* <sub>ab,m</sub> = 72															

AF820-3N, FrgbNP D65 LL11g00NA.PDF20070129

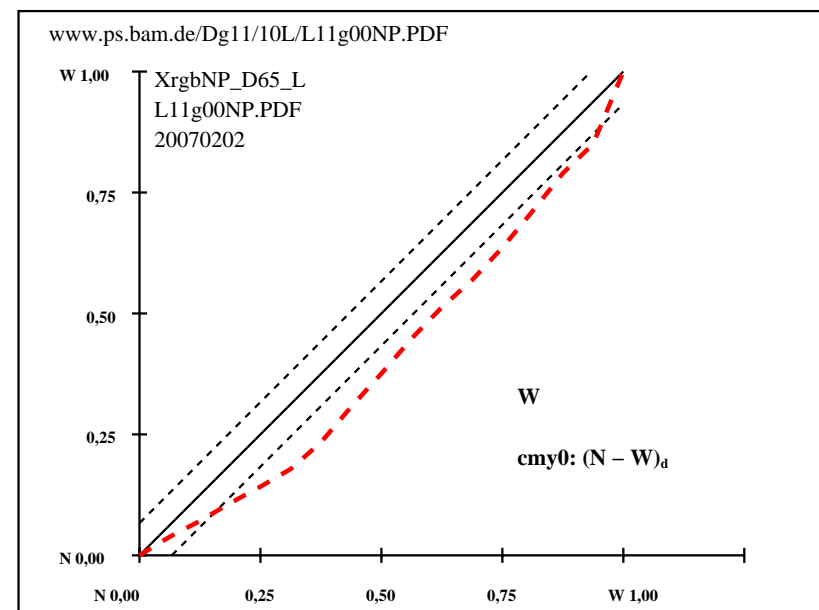


AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

$$W''; rgb23/24$$

	i	LAB*a <sub>ref</sub>	hab <sub>ref</sub>	LAB*a <sub>out</sub>	hab <sub>out</sub>	LAB*a <sub>out</sub> /c-ref	ΔH* ΔE*						
N <sub>d</sub>	1	26.9	0.0	0.0	0	26.9	0.0	0.0	0.0	0.0	0.0	0.0	
	2	31.2	0.0	0.0	0	29.2	-0.6	1.1	122	-1.9	-0.6	1.1	1.3 2.4
	3	35.5	0.0	0.0	0	31.4	-1.5	1.0	148	-4.0	-1.5	1.0	1.9 4.5
	4	39.8	0.0	0.0	0	34.1	-1.7	0.5	164	-5.6	-1.7	0.5	1.9 6.0 <i>CIELAB</i>
	5	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8 8.3 <i>ΔL*</i> = 95.41 - 26.94
	6	48.3	0.0	0.0	0	38.8	-1.7	2.1	131	-9.4	-1.7	2.1	2.8 9.9
	7	52.6	0.0	0.0	0	42.6	-1.3	3.0	115	-9.9	-1.3	3.0	3.3 10.6 <i>g*</i> = 36.6
	8	56.9	0.0	0.0	0	47.3	-2.5	4.6	119	-9.5	-2.5	4.6	5.3 11.0
Z <sub>d</sub>	9	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4 11.3
	10	65.5	0.0	0.0	0	56.7	-1.3	7.2	101	-8.6	-1.3	7.2	7.3 11.4 <i>f*</i> = 88.5
	11	69.7	0.0	0.0	0	61.3	-0.7	7.2	96	-8.3	-0.7	7.2	7.2 11.1
	12	74.0	0.0	0.0	0	65.4	-0.8	6.5	98	-8.6	-0.8	6.5	6.6 10.9
	13	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3 10.4 <i>cmY</i> 0: (N - W) <sub>d</sub>
	14	82.6	0.0	0.0	0	75.3	-0.1	5.9	92	-7.2	-0.1	5.9	5.9 9.4
	15	86.9	0.0	0.0	0	80.8	-1.2	5.2	104	-6.0	-1.2	5.2	5.4 8.1
	16	91.1	0.0	0.0	0	85.1	0.3	1.9	81	-5.9	0.3	1.9	1.9 6.3 <i>ΔH*</i> <sub>CIELAB</sub> = 3.9
W <sub>d</sub>	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 <i>ΔE*</i> <sub>CIELAB</sub> = 7.7
N <sub>d</sub>	18	26.9	0.0	0.0	0	26.9	0.0	0.0	0	0.0	0.0	0.0	0.0 0.0
	19	44.1	0.0	0.0	0	36.2	-1.9	2.0	135	-7.7	-1.9	2.0	2.8 8.3
Z <sub>d</sub>	20	61.2	0.0	0.0	0	51.9	-1.7	6.1	106	-9.2	-1.7	6.1	6.4 11.3
	21	78.3	0.0	0.0	0	70.0	-0.3	6.3	94	-8.2	-0.3	6.3	6.3 10.4 <i>ΔH*</i> <sub>CIELAB</sub> = 3.1
W <sub>d</sub>	22	95.4	0.0	0.0	0	95.4	0.0	0.0	0	0.0	0.0	0.0	0.0 0.0 <i>ΔE*</i> <sub>CIELAB</sub> = 6.0
													<i>R*</i> <sub>ab,m</sub> = 66

AF821-3N, XrgbNP D65 LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

```

entrada: rgb/cmy0/000n/w set...
salida: ->rgbdd setrgbcolor

```

TUB matrícula: 20160501-AF82/AF82L0N  
aplicación para la medida de display output

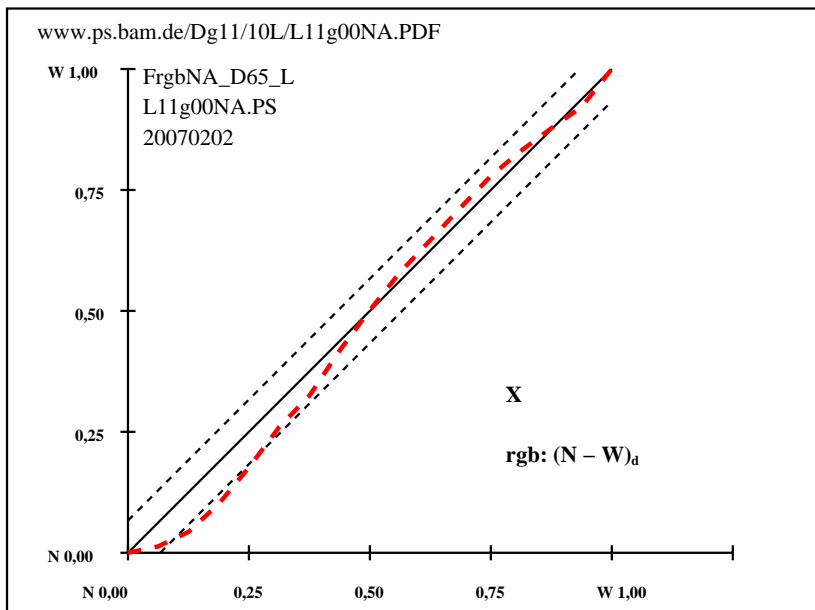
TUB material: code=rha4ta

vea archivos semejantes: <http://farbe.li.tu-berlin.de/AF82/AF82L0NA.PDF>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

T	i	LAB*a,ref	hab,ref	LAB*a,out	hab,out	LAB*a,out/c-ref	$\Delta H^*$	$\Delta E^*$
N <sub>d</sub>	1	8.7	0.0	0.0	0	8.7	0.0	0.0
	2	13.9	0.0	0.0	0	13.9	0.7	-2.5
	3	19.1	0.0	0.0	0	20.8	-0.2	-3.9
	4	24.4	0.0	0.0	0	27.4	-1.8	-3.0
	5	29.6	0.0	0.0	0	34.4	-2.2	-3.4
	6	34.9	0.0	0.0	0	40.2	-2.7	-1.7
	7	40.1	0.0	0.0	0	45.9	-3.1	-1.5
	8	45.4	0.0	0.0	0	52.0	-3.9	-1.1
Z <sub>d</sub>	9	50.6	0.0	0.0	0	57.5	-3.9	-1.5
	10	55.9	0.0	0.0	0	63.4	-3.1	-1.9
	11	61.1	0.0	0.0	0	69.1	-1.8	-2.1
	12	66.4	0.0	0.0	0	75.2	-0.6	-2.1
	13	71.6	0.0	0.0	0	81.2	0.1	-1.4
	14	76.9	0.0	0.0	0	86.9	0.0	-0.1
	15	82.1	0.0	0.0	0	92.0	-0.7	1.1
	16	87.4	0.0	0.0	0	92.7	0.0	0.0
W <sub>d</sub>	17	92.6	0.0	0.0	0	92.6	0.0	0.0
N <sub>d</sub>	18	8.7	0.0	0.0	0	8.7	0.0	0.0
	19	29.6	0.0	0.0	0	34.4	-2.2	-3.4
Z <sub>d</sub>	20	50.6	0.0	0.0	0	57.5	-3.9	-1.5
	21	71.6	0.0	0.0	0	81.2	0.1	-1.4
W <sub>d</sub>	22	92.6	0.0	0.0	0	92.6	0.0	0.0

$\Delta L^* = 92.63 - 8.65$   
 $g^* = 44.4$   
 $f^* = 108.5$   
**rgb: (N - W)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 2.5$   
 $\Delta E^*_{CIELAB} = 6.3$   
 $\Delta H^*_{CIELAB} = 2.0$   
 $\Delta E^*_{CIELAB} = 4.8$   
 $R^*_{ab,m} = 72$

AF820-3N, FrgbNP\_D65\_LL11g00NA.PDF20070129



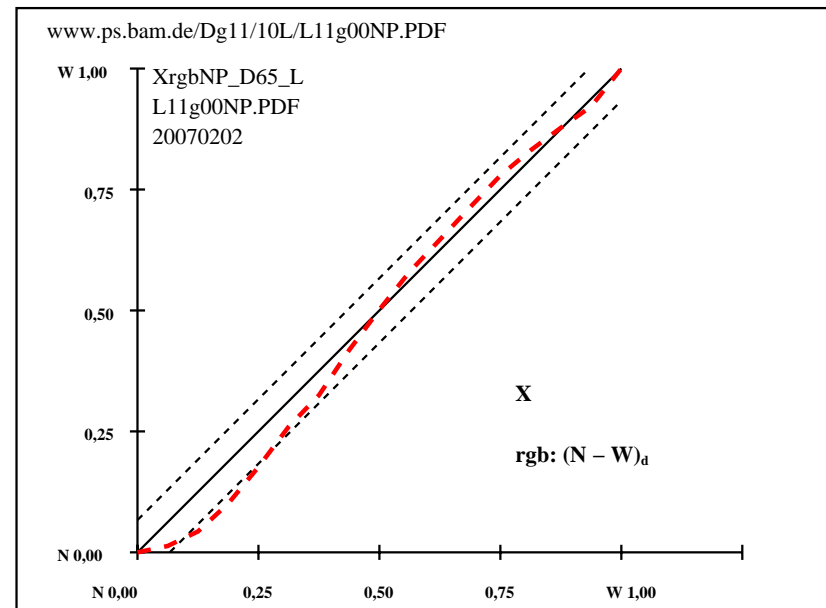
AF820-7N, FrgbNA\_D65\_LL11g00NA.PS20070202

X"; rgb24/24

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

$\Delta L^* = 95.46 - 21.66$   
 $g^* = 54.2$   
 $f^* = 95.3$   
**rgb: (N - W)<sub>d</sub>**  
 $\Delta H^*_{CIELAB} = 0.1$   
 $\Delta E^*_{CIELAB} = 2.4$   
 $\Delta H^*_{CIELAB} = 0.1$   
 $\Delta E^*_{CIELAB} = 1.6$   
 $R^*_{ab,m} = 90$

AF821-3N, XrgbNP\_D65\_LL11g00NP.PDF20070202



AF821-7N, XrgbNP\_D65\_LL11g00NP.PDF20070202

entrada: rgb/cmy0/000n/w set...  
salida: ->rgb<sub>dd</sub> setrgbcolor