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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
0	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
0	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=0

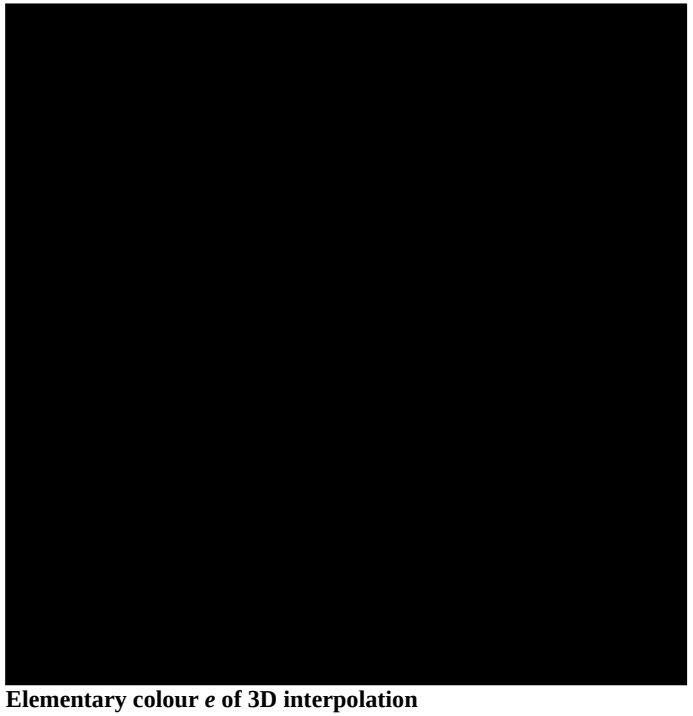
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.2	19.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	0.2	0.2	**3D−it:**	0.2	0.2	

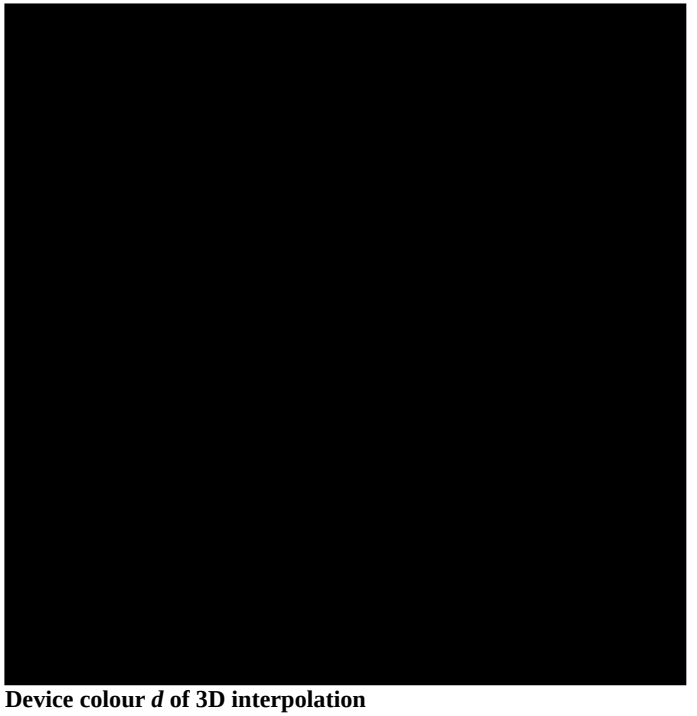
3 Colours no. *j*=0

output of the device colour *d*:

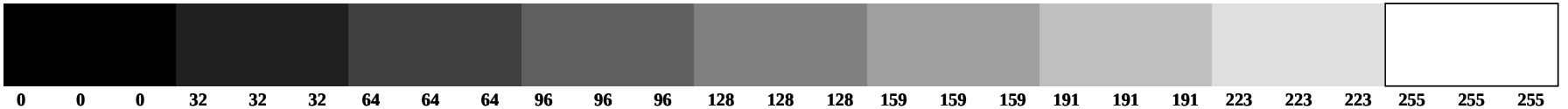
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.2	19.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	0.2	0.2	**3D−in:**	0.0	0.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
1	0.0	0.0	0.125	270.0	60.4	57.4	271.8	1.8	−57.2	23.0	7.2	271.8	0.2	−7.1	0.875	0.125	b00r	c39v		0.0	0.613	1.0	0.0	0.077	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
1	0.0	0.0	0.125	270.0	44.2	113.3	304.1	63.5	−93.7	21.0	14.2	304.1	7.9	−11.6	0.875	0.125	b28r	v00m		0.569	0.0	1.0	0.071	0.0	0.125

3 Colours no. *j*=1

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.125	0.0	0.077	0.125	0.052	0.102	0.142
$rgb^*_{Fa,\ 8bit}$	0	0	32	0	20	32	13	26	36
L^*, C^*_{ab}, h_{ab}	18.3	13.3	293.0	23.0	7.2	271.8	24.6	2.0	288.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−it:	5.5	5.5	

3 Colours no. *j*=1

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.125	0.071	0.0	0.125	0.082	0.036	0.15
$olv^*_{Fa,\ 8bit}$	0	0	32	18	0	32	21	9	38
L^*, C^*_{ab}, h_{ab}	18.3	13.3	293.0	21.0	14.2	304.1	22.1	14.5	321.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.9	7.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
2	0.0	0.0	0.25	270.0	60.4	57.3	271.8	1.8	−57.2	28.4	14.3	271.8	0.4	−14.2	0.75	0.25	b00r	c39v		0.0	0.613	1.0	0.0	0.153	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
2	0.0	0.0	0.25	270.0	44.2	113.3	304.1	63.5	−93.7	24.3	28.3	304.1	15.9	−23.4	0.75	0.25	b28r	v00m		0.569	0.0	1.0	0.142	0.0	0.25

3 Colours no. *j*=2

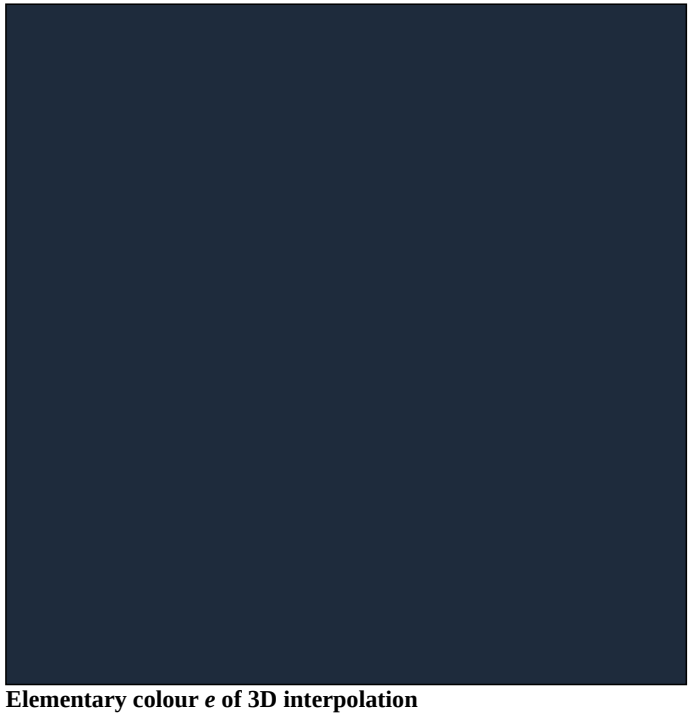
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.25	0.0	0.153	0.25	0.118	0.169	0.237
$rgb^*_{Fa,\ 8bit}$	0	0	64	0	39	64	30	43	61
L^*, C^*_{ab}, h_{ab}	19.6	34.6	297.8	28.4	14.3	271.8	36.8	13.2	302.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	24.3	24.3	3D−it:	11.2	11.2	

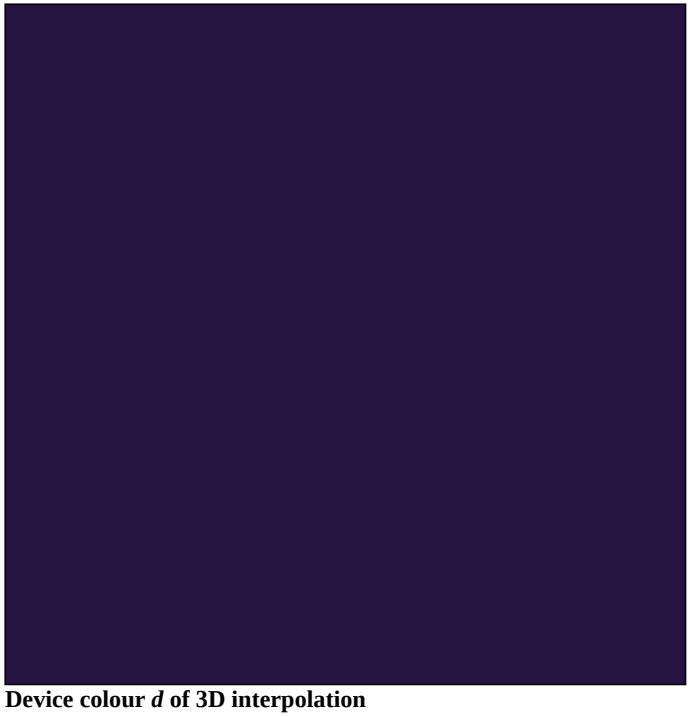
3 Colours no. *j*=2

output of the device colour *d*:

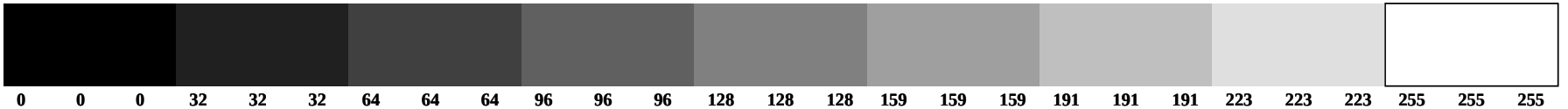
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.25	0.142	0.0	0.25	0.145	0.073	0.258
$olv^*_{Fa,\ 8bit}$	0	0	64	36	0	64	37	19	66
L^*, C^*_{ab}, h_{ab}	19.6	34.6	297.8	24.3	28.3	304.1	25.6	30.3	317.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−in:	13.2	13.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
3	0.0	0.0	0.375	270.0	60.4	57.3	271.8	1.8	−57.2	33.7	21.5	271.8	0.7	−21.4	0.625	0.375	b00r	c39v		0.0	0.613	1.0	0.0	0.23	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
3	0.0	0.0	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	27.6	42.5	304.1	23.8	−35.1	0.625	0.375	b28r	v00m		0.569	0.0	1.0	0.213	0.0	0.375

3 Colours no. *j*=3

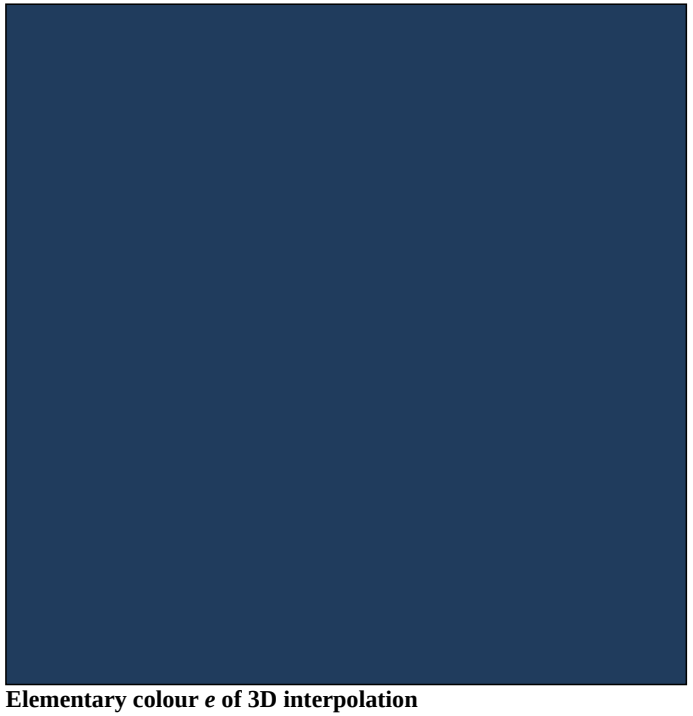
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.375	0.0	0.23	0.375	0.126	0.234	0.366
$rgb^*_{Fa,\ 8bit}$	0	0	96	0	59	96	32	60	93
L^*, C^*_{ab}, h_{ab}	21.1	50.7	300.4	33.7	21.5	271.8	34.9	21.0	276.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.8	35.8	3D−it:	2.3	2.3	

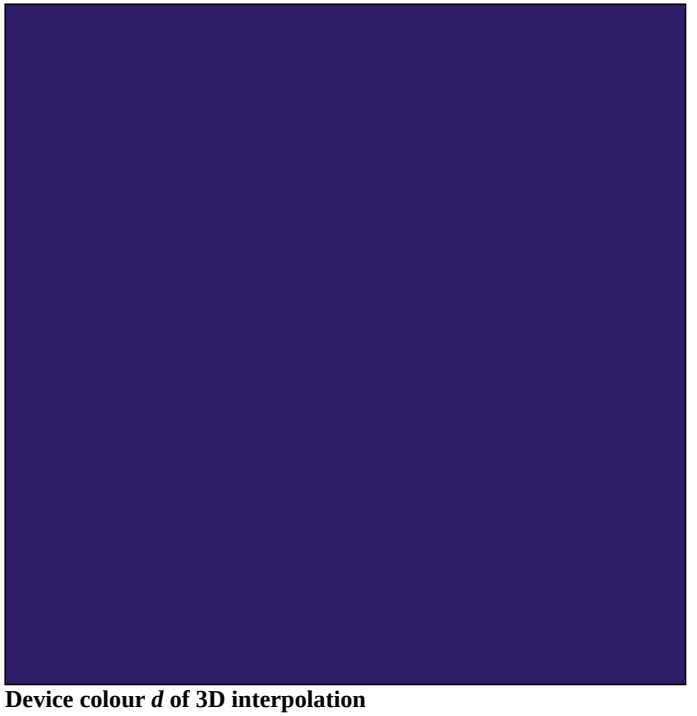
3 Colours no. *j*=3

output of the device colour *d*:

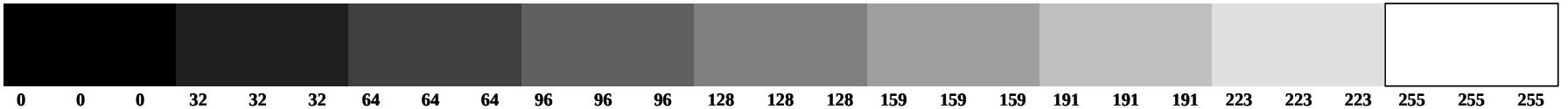
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.375	0.213	0.0	0.375	0.18	0.109	0.4
$olv^*_{Fa,\ 8bit}$	0	0	96	54	0	96	46	28	102
L^*, C^*_{ab}, h_{ab}	21.1	50.7	300.4	27.6	42.5	304.1	29.5	38.9	310.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	16.5	16.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
4	0.0	0.0	0.5	270.0	60.4	57.3	271.7	1.7	−57.2	39.1	28.7	271.7	0.9	−28.5	0.5	0.5	b00r	c39v		0.0	0.613	1.0	0.0	0.306	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
4	0.0	0.0	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	30.9	56.6	304.1	31.7	−46.8	0.5	0.5	b28r	v00m		0.568	0.0	1.0	0.284	0.0	0.5

3 Colours no. *j*=4

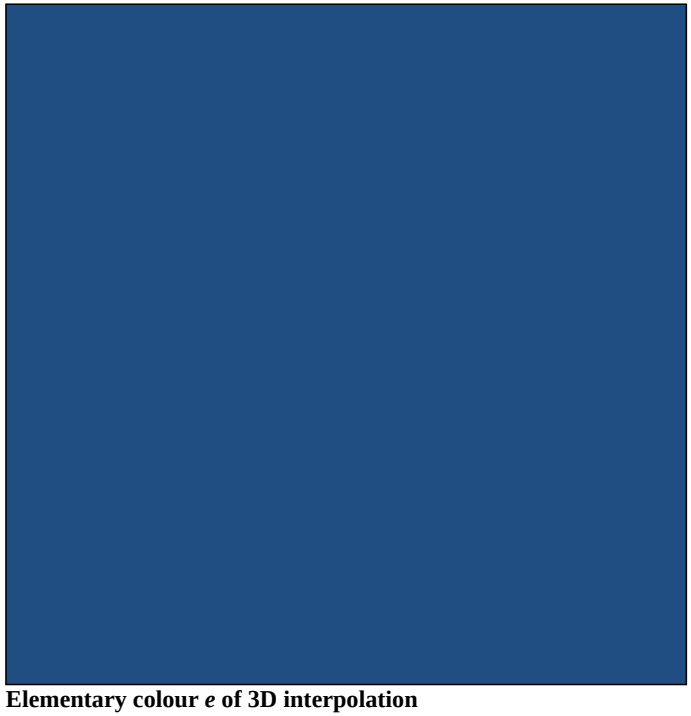
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.5	0.0	0.306	0.5	0.131	0.304	0.51
$rgb^*_{Fa,\ 8bit}$	0	0	128	0	78	128	33	78	130
L^*, C^*_{ab}, h_{ab}	22.7	64.3	301.8	39.1	28.7	271.7	45.4	28.0	279.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	45.0	45.0	3D−it:	7.4	7.4

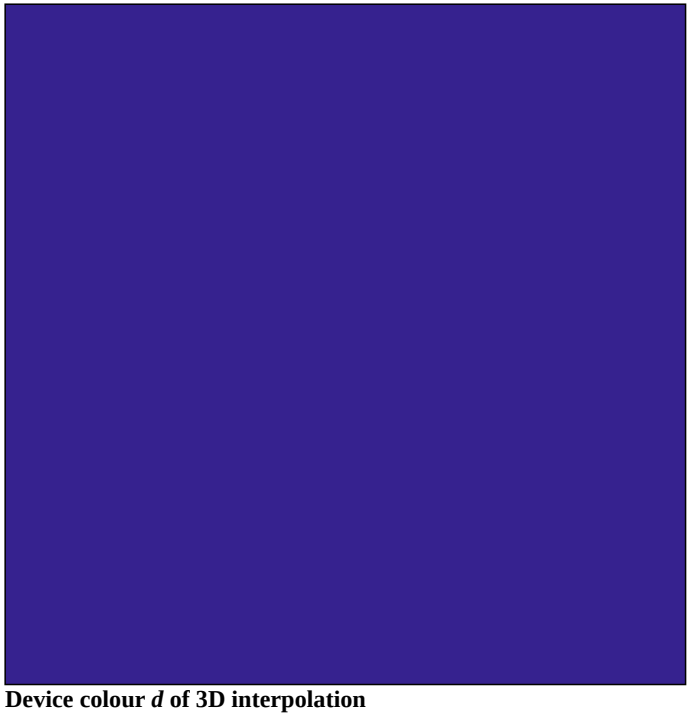
3 Colours no. *j*=4

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.5	0.284	0.0	0.5	0.212	0.135	0.56
$olv^*_{Fa,\ 8bit}$	0	0	128	72	0	128	54	34	143
L^*, C^*_{ab}, h_{ab}	22.7	64.3	301.8	30.9	56.6	304.1	31.2	52.4	307.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.4	11.4	3D−in:	15.7	15.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
5	0.0	0.0	0.625	270.0	60.5	57.3	271.7	1.7	−57.2	44.4	35.8	271.7	1.1	−35.7	0.375	0.625	b00r	c39v		0.0	0.613	1.0	0.0	0.383	0.625
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
5	0.0	0.0	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	34.2	70.8	304.1	39.7	−58.6	0.375	0.625	b28r	v00m		0.568	0.0	1.0	0.355	0.0	0.625

3 Colours no. j=5

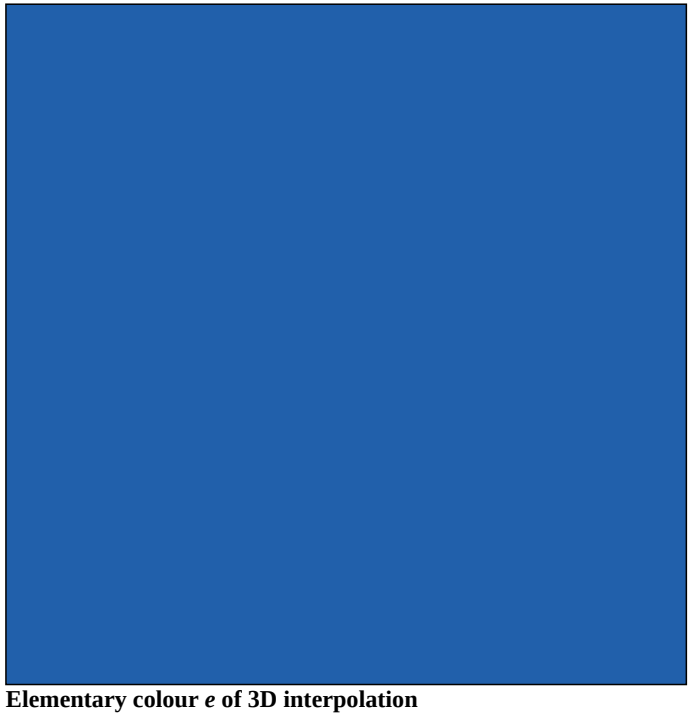
output of the elementary colour e:

rgb input (in):									
	0.0	0.0	0.625	0.0	0.383	0.625	0.131	0.378	0.669
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	0	159	0	98	159	33	96	171
L^*, C^*_{ab}, h_{ab}	24.5	76.5	302.8	44.4	35.8	271.7	44.9	32.4	276.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	53.3	53.3	3D−it:	4.6	4.6	

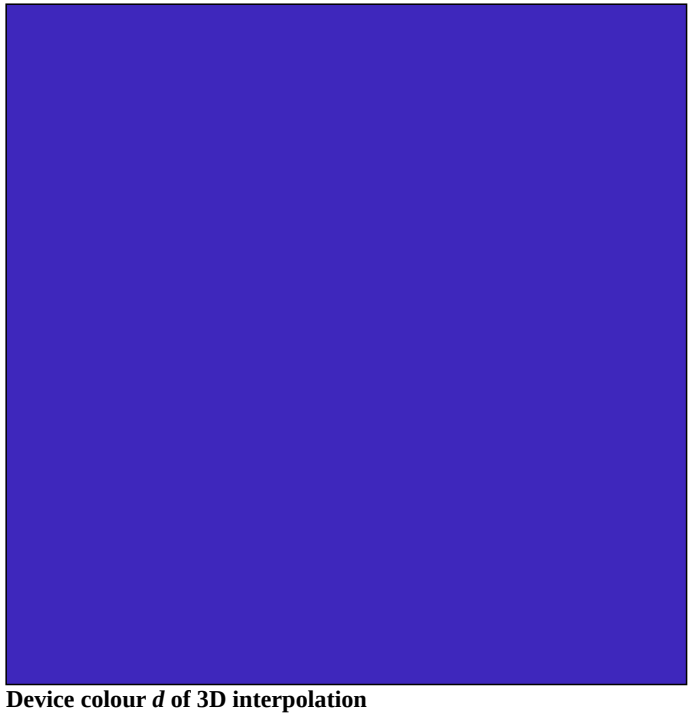
3 Colours no. j=5

output of the device colour d:

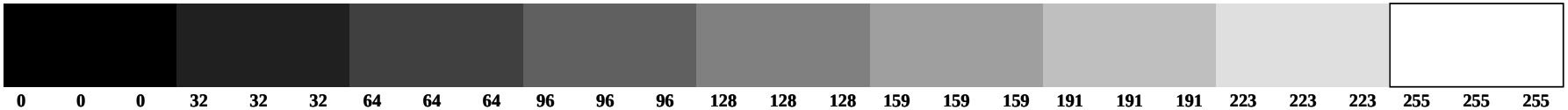
rgb input (in):									
	0.0	0.0	0.625	0.355	0.0	0.625	0.242	0.152	0.736
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	0	159	91	0	159	62	39	188
L^*, C^*_{ab}, h_{ab}	24.5	76.5	302.8	34.2	70.8	304.1	35.3	71.1	308.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−in:	14.1	14.1	



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
6	0.0	0.0	0.75	270.0	60.5	57.3	271.7	1.7	−57.2	49.8	43.0	271.7	1.3	−42.9	0.25	0.75	b00r	c39v		0.0	0.613	1.0	0.0	0.46	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
6	0.0	0.0	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	37.5	85.0	304.1	47.6	−70.3	0.25	0.75	b28r	v00m		0.568	0.0	1.0	0.426	0.0	0.75

3 Colours no. *j*=6

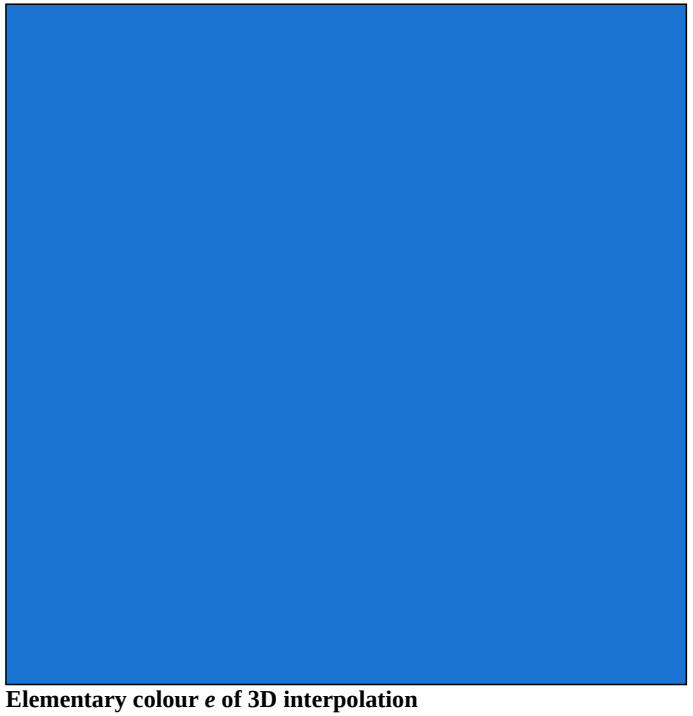
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.75	0.0	0.46	0.75	0.104	0.453	0.823
$rgb^*_{Fa,\ 8bit}$	0	0	191	0	117	191	27	115	210
L^*, C^*_{ab}, h_{ab}	26.4	88.1	303.6	49.8	43.0	271.7	52.8	42.9	274.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	61.0	61.0	3D−it:	3.7	3.7	

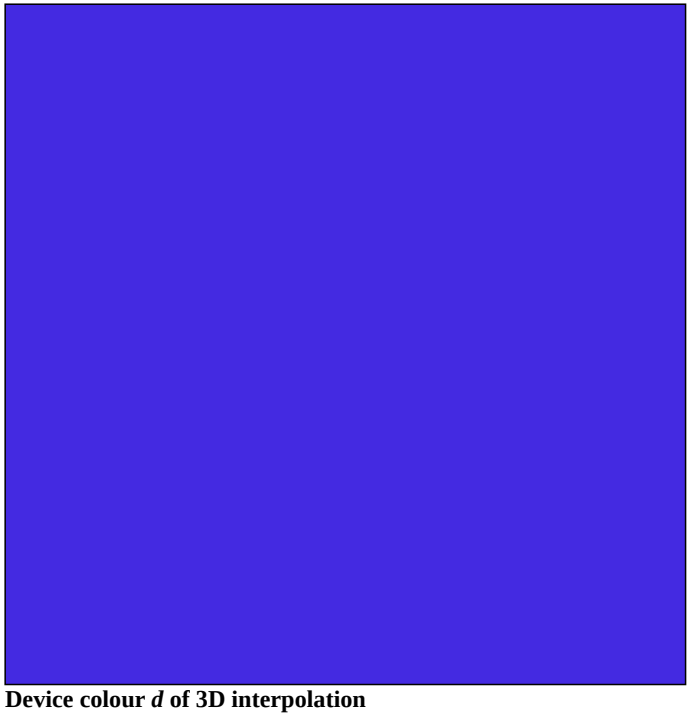
3 Colours no. *j*=6

output of the device colour *d*:

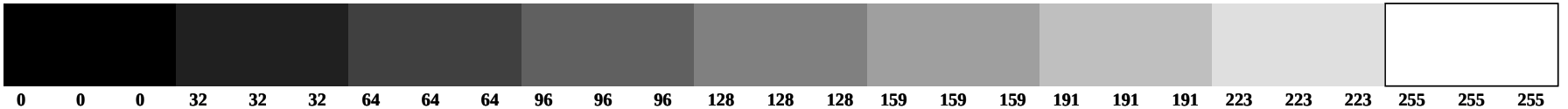
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.75	0.426	0.0	0.75	0.266	0.163	0.884
$olv^*_{Fa,\ 8bit}$	0	0	191	109	0	191	68	42	226
L^*, C^*_{ab}, h_{ab}	26.4	88.1	303.6	37.5	85.0	304.1	40.0	85.4	306.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	14.7	14.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
7	0.0	0.0	0.875	270.0	60.5	57.3	271.7	1.7	−57.2	55.1	50.1	271.7	1.5	−50.0	0.125	0.875	b00r	c39v		0.0	0.613	1.0	0.0	0.536	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
7	0.0	0.0	0.875	270.0	44.2	113.3	304.1	63.5	−93.8	40.8	99.1	304.1	55.5	−82.0	0.125	0.875	b28r	v00m		0.568	0.0	1.0	0.497	0.0	0.875

3 Colours no. *j*=7

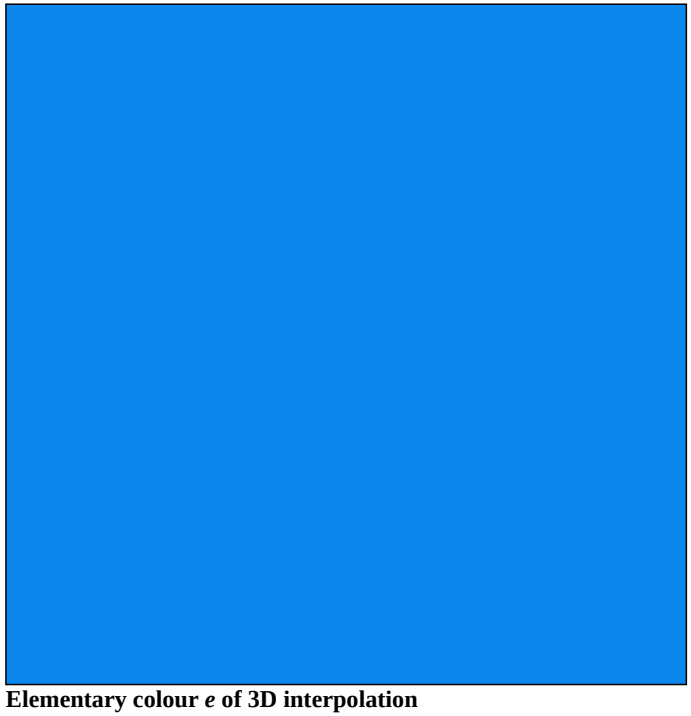
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.875	0.0	0.536	0.875	0.049	0.532	0.925
$rgb^*_{Fa,\ 8bit}$	0	0	223	0	137	223	13	136	236
L^*, C^*_{ab}, h_{ab}	29.0	99.9	304.0	55.1	50.1	271.7	62.4	46.7	277.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	68.6	68.6	3D−it:	9.3	9.3

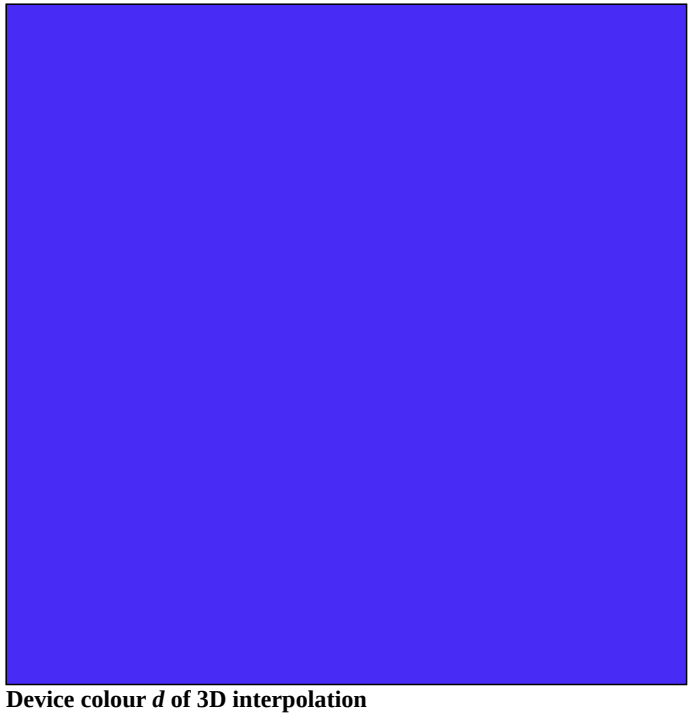
3 Colours no. *j*=7

output of the device colour *d*:

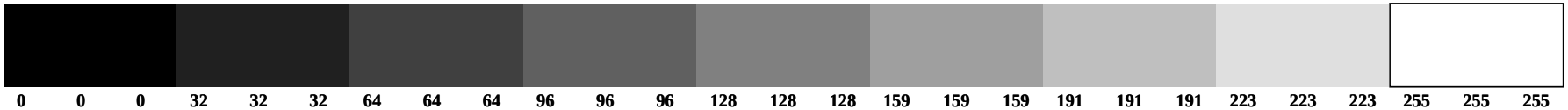
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.875	0.497	0.0	0.875	0.287	0.168	0.965
$olv^*_{Fa,\ 8bit}$	0	0	223	127	0	223	73	43	246
L^*, C^*_{ab}, h_{ab}	29.0	99.9	304.0	40.8	99.1	304.1	46.8	99.4	306.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.9	11.9	3D−in:	18.4	18.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
8	0.0	0.0	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	60.5	57.3	271.7	1.7	−57.2	0.0	1.0	b00r	c39v		0.0	0.613	1.0	0.0	0.613	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
8	0.0	0.0	1.0	270.0	44.2	113.3	304.1	63.5	−93.8	44.2	113.3	304.1	63.5	−93.8	0.0	1.0	b28r	v00m		0.568	0.0	1.0	0.568	0.0	1.0

3 Colours no. *j*=8

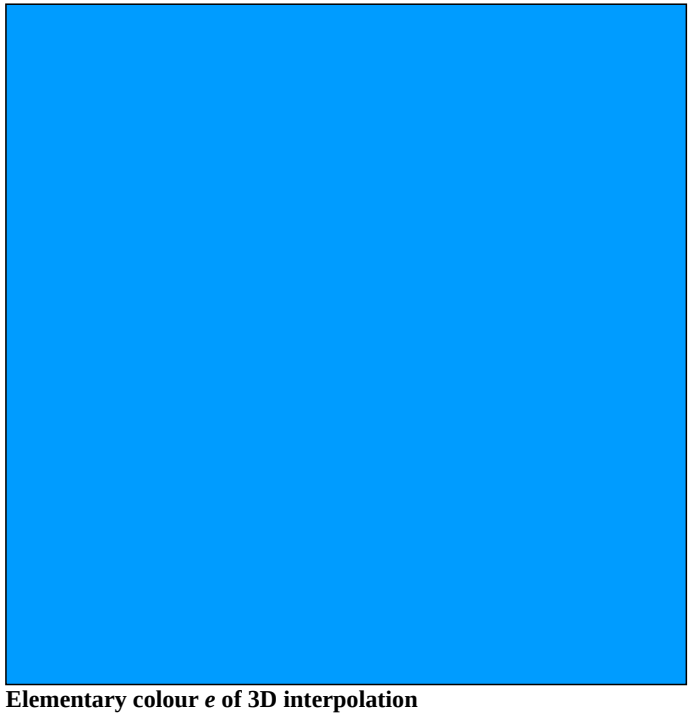
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	1.0	0.0	0.613	1.0	0.0	0.613	1.0
$rgb^*_{Fa,\ 8bit}$	0	0	255	0	156	255	0	156	255
L^*, C^*_{ab}, h_{ab}	34.7	121.0	304.1	60.5	57.3	271.7	61.0	56.3	272.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	82.9	82.9	3D−it:	1.6	1.6	

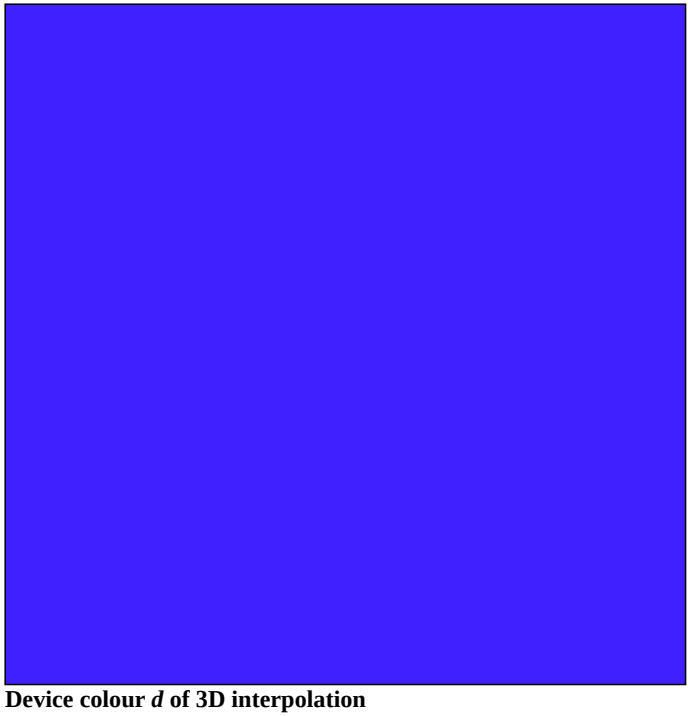
3 Colours no. *j*=8

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	1.0	0.568	0.0	1.0	0.25	0.125	1.0
$olv^*_{Fa,\ 8bit}$	0	0	255	145	0	255	64	32	255
L^*, C^*_{ab}, h_{ab}	34.7	121.0	304.1	44.2	113.3	304.1	48.6	111.6	304.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.2	12.2	3D−in:	16.9	16.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

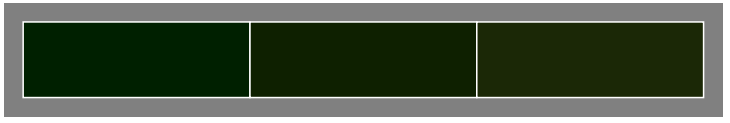
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
9	0.0	0.125	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	26.2	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
9	0.0	0.125	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	26.2	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.875	0.125	j99g	l77c		0.0	1.0	0.774	0.0	0.125	0.097
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.875	0.125	j57g	y100l		0.425	1.0	0.0	0.053	0.125	0.0

3 Colours no. *j*=9

output of the elementary colour *e*:

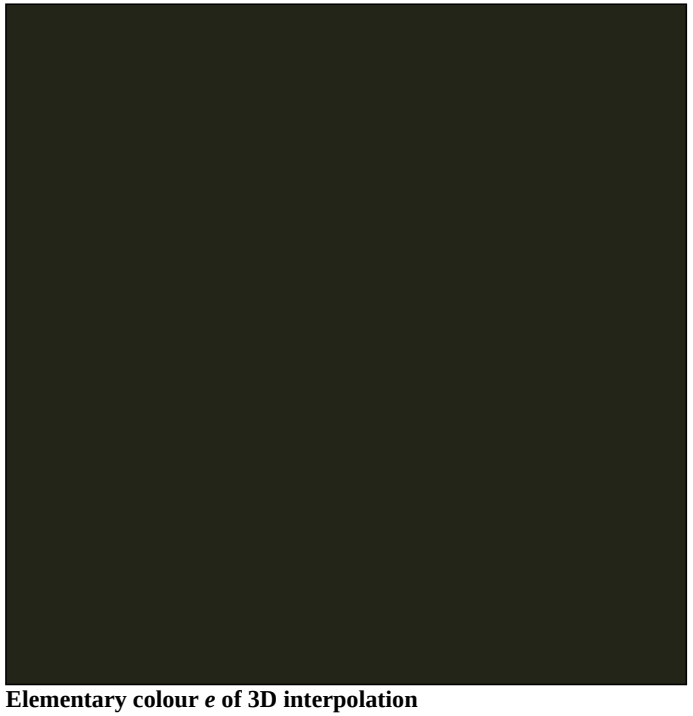
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.0	0.0	0.125	0.097	0.132	0.147	0.094
$rgb^*_{Fa,\ 8bit}$	0	32	0	0	32	25	34	38	24
L^*, C^*_{ab}, h_{ab}	22.9	13.1	142.9	26.2	7.9	162.2	29.0	10.8	122.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−it:	7.5	7.5	



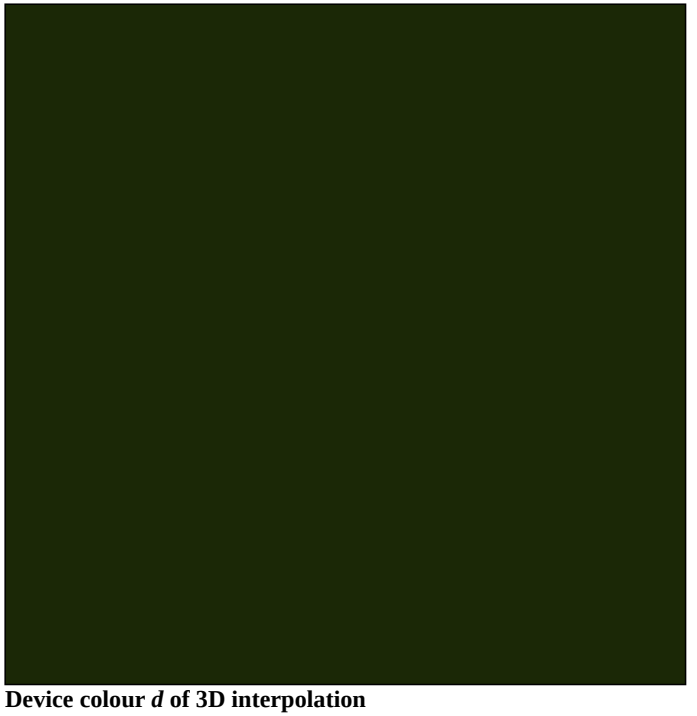
3 Colours no. *j*=9

output of the device colour *d*:

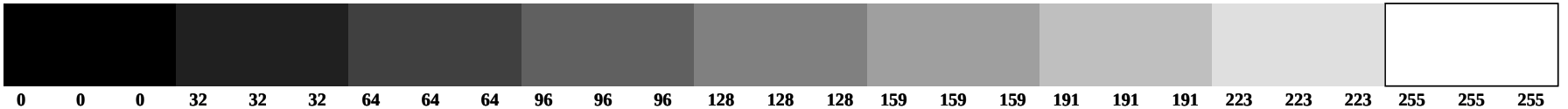
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.0	0.053	0.125	0.0	0.105	0.156	0.025
$olv^*_{Fa,\ 8bit}$	0	32	0	14	32	0	27	40	6
L^*, C^*_{ab}, h_{ab}	22.9	13.1	142.9	26.2	13.8	132.5	29.5	15.0	123.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	8.3	8.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
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TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
10	0.0	0.125	0.125	210.0	80.3	43.6	217.0	−34.7	−26.1	25.5	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
10	0.0	0.125	0.125	210.0	85.3	72.8	196.7	−69.6	−20.9	26.1	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.875	0.125	g50b	c08v		0.0	0.925	1.0	0.0	0.116	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.875	0.125	g31b	c00v		0.0	1.0	0.63	0.0	0.125	0.079

3 Colours no. *j*=10

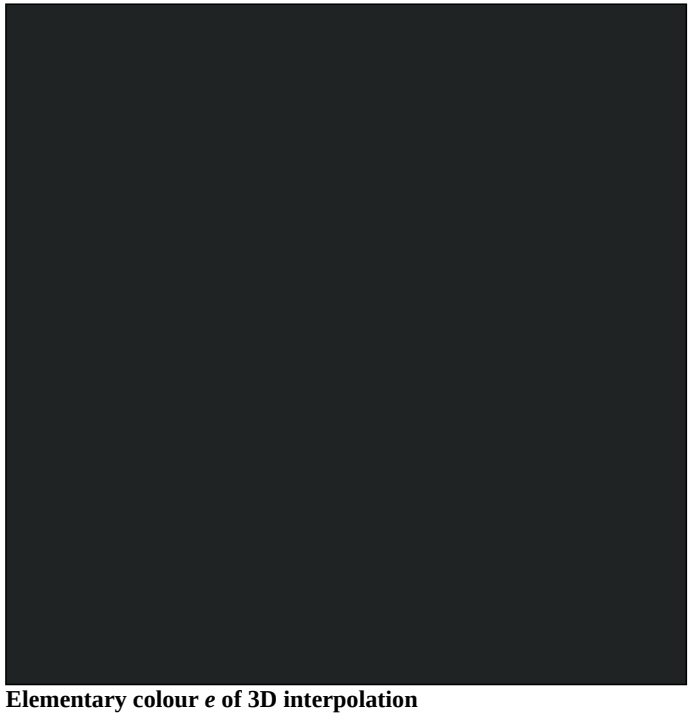
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.125	0.0	0.116	0.125	0.125	0.138	0.137
$rgb^*_{Fa,\ 8bit}$	0	32	32	0	29	32	32	35	35
L^*, C^*_{ab}, h_{ab}	23.3	7.2	216.2	25.5	5.5	217.0	27.7	3.8	218.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.8	2.8	3D−it:	2.8	2.8	

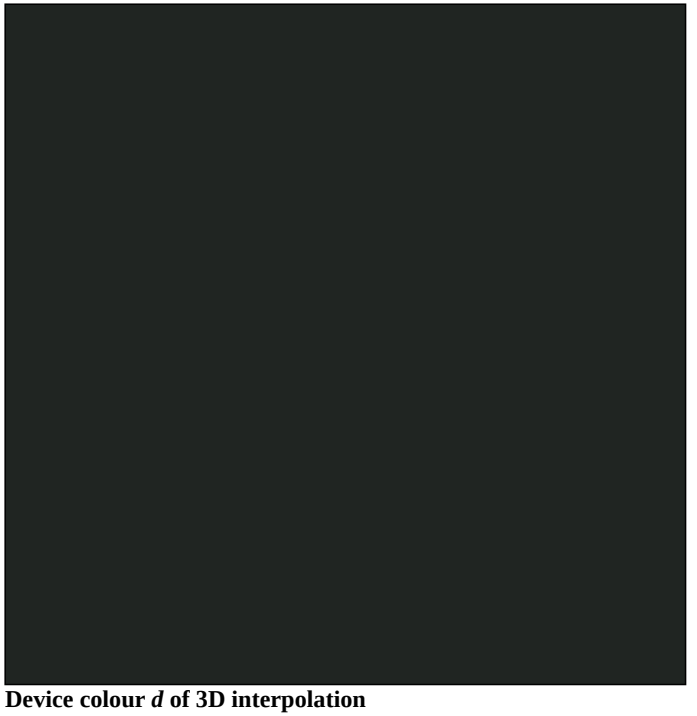
3 Colours no. *j*=10

output of the device colour *d*:

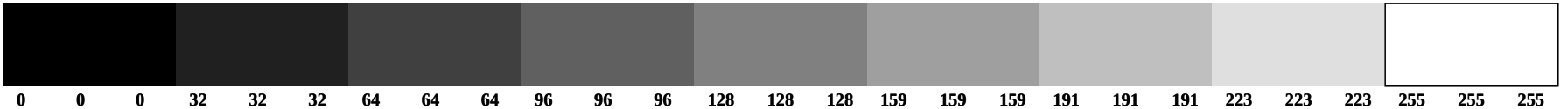
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.125	0.0	0.125	0.079	0.125	0.147	0.134
$olv^*_{Fa,\ 8bit}$	0	32	32	0	32	20	32	38	34
L^*, C^*_{ab}, h_{ab}	23.3	7.2	216.2	26.1	9.1	196.7	28.9	5.9	190.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.4	4.4	3D−in:	6.5	6.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
11	0.0	0.125	0.25	240.0	71.1	44.7	244.4	−19.2	−40.3	31.0	11.2	244.4	−4.7	−10.0	0.75	0.25	g75b	c20v		0.0	0.802	1.0	0.0	0.201	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
11	0.0	0.125	0.25	240.0	49.5	79.9	250.4	−26.7	−75.2	25.6	20.0	250.4	−6.6	−18.7	0.75	0.25	g80b	c50v		0.0	0.389	1.0	0.0	0.097	0.25

3 Colours no. *j*=11

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.125	0.25	0.0	0.201	0.25	0.139	0.204	0.235
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	32	64	0	51	64	35	52	60
L^*, C^*_{ab}, h_{ab}	24.3	23.0	281.5	31.0	11.2	244.4	34.0	7.0	264.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.0	17.0	3D−it:	6.0	6.0	

linear interpolation (it): 3D interpolation (3D):

3 Colours no. *j*=11

output of the device colour *d*:

rgb input (in):									
	0.0	0.125	0.25	0.0	0.097	0.25	0.0	0.164	0.241
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	32	64	0	25	64	0	42	61
L^*, C^*_{ab}, h_{ab}	24.3	23.0	281.5	25.6	20.0	250.4	34.9	16.8	265.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−in:	13.4	13.4	

linear interpolation (it): 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
12	0.0	0.125	0.375	250.9	67.8	46.9	254.3	−12.6	−45.0	36.4	17.6	254.3	−4.7	−16.8	0.625	0.375	g83b	c25v		0.0	0.75	1.0	0.0	0.281	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
12	0.0	0.125	0.375	250.9	35.4	119.0	269.9	−0.1	−118.9	24.3	44.6	269.9	0.0	−44.5	0.625	0.375	g97b	c68v		0.0	0.033	1.0	0.0	0.013	0.375

3 Colours no. *j*=12

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.375	0.0	0.281	0.375	0.13	0.277	0.365
$rgb^*_{Fa,\ 8bit}$	0	32	96	0	72	96	33	71	93
L^*, C^*_{ab}, h_{ab}	25.6	39.4	291.5	36.4	17.6	254.3	38.0	13.0	264.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.6	29.6	3D−it:	5.5	5.5	

3 Colours no. *j*=12

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.375	0.0	0.013	0.375	0.0	0.251	0.502
$olv^*_{Fa,\ 8bit}$	0	32	96	0	3	96	0	64	128
L^*, C^*_{ab}, h_{ab}	25.6	39.4	291.5	24.3	44.6	269.9	37.7	32.9	294.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.6	16.6	3D−in:	13.9	13.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
13	0.0	0.125	0.5	256.1	65.8	49.6	259.1	−9.3	−48.6	41.7	24.8	259.1	−4.6	−24.2	0.5	0.5	g88b	c29v		0.0	0.714	1.0	0.0	0.357	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
13	0.0	0.125	0.5	256.1	35.6	120.1	279.2	19.2	−118.5	26.6	60.1	279.2	9.6	−59.2	0.5	0.5	b06r	c77v		0.132	0.0	1.0	0.066	0.0	0.5

3 Colours no. *j*=13

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.5	0.0	0.357	0.5	0.132	0.35	0.51
$rgb^*_{Fa,\ 8bit}$	0	32	128	0	91	128	34	89	130
L^*, C^*_{ab}, h_{ab}	26.9	53.1	295.3	41.7	24.8	259.1	43.2	21.2	268.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	39.1	39.1	3D−it:	5.4	5.4

3 Colours no. *j*=13

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.5	0.066	0.0	0.5	0.0	0.251	0.749
$olv^*_{Fa,\ 8bit}$	0	32	128	17	0	128	0	64	191
L^*, C^*_{ab}, h_{ab}	26.9	53.1	295.3	26.6	60.1	279.2	38.0	58.4	291.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.2	17.2	3D−in:	12.7	12.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
14	0.0	0.125	0.625	259.1	64.7	51.2	261.8	−7.2	−50.5	47.0	32.0	261.8	−4.5	−31.5	0.375	0.625	g90b	c31v		0.0	0.693	1.0	0.0	0.433	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
14	0.0	0.125	0.625	259.1	37.0	118.8	284.6	29.9	−114.9	29.8	74.3	284.6	18.7	−71.8	0.375	0.625	b11r	c82v		0.226	0.0	1.0	0.141	0.0	0.625

3 Colours no. *j*=14

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.625	0.0	0.433	0.625	0.125	0.424	0.668
$rgb^*_{Fa,\ 8bit}$	0	32	159	0	110	159	32	108	170
L^*, C^*_{ab}, h_{ab}	28.3	65.9	298.1	47.0	32.0	261.8	50.2	31.2	266.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	48.1	48.1	3D−it:	4.3	4.3	

3 Colours no. *j*=14

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.625	0.141	0.0	0.625	0.0	0.251	0.875
$olv^*_{Fa,\ 8bit}$	0	32	159	36	0	159	0	64	223
L^*, C^*_{ab}, h_{ab}	28.3	65.9	298.1	29.8	74.3	284.6	39.5	71.7	294.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.5	18.5	3D−in:	13.2	13.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
15	0.0	0.125	0.75	261.1	64.0	52.2	263.6	−5.7	−51.7	52.4	39.1	263.6	−4.3	−38.8	0.25	0.75	g92b	c32v		0.0	0.679	1.0	0.0	0.509	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
15	0.0	0.125	0.75	261.1	38.1	117.9	288.1	36.6	−112.0	33.0	88.4	288.1	27.4	−84.0	0.25	0.75	b14r	c85v		0.287	0.0	1.0	0.215	0.0	0.75

3 Colours no. *j*=15

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.75	0.0	0.509	0.75	0.096	0.501	0.824
$rgb^*_{Fa,\ 8bit}$	0	32	191	0	130	191	24	128	210
L^*, C^*_{ab}, h_{ab}	30.0	77.9	299.8	52.4	39.1	263.6	52.8	34.6	268.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	56.4	56.4	3D−it:	5.6	5.6	

3 Colours no. *j*=15

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.75	0.215	0.0	0.75	0.0	0.209	0.907
$olv^*_{Fa,\ 8bit}$	0	32	191	55	0	191	0	53	231
L^*, C^*_{ab}, h_{ab}	30.0	77.9	299.8	33.0	88.4	288.1	50.6	80.7	294.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.3	20.3	3D−in:	22.1	22.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
16	0.0	0.125	0.875	262.4	63.4	52.9	264.8	−4.7	−52.6	57.7	46.3	264.8	−4.1	−46.0	0.125	0.875	g93b	c33v		0.0	0.67	1.0	0.0	0.586	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
16	0.0	0.125	0.875	262.4	38.9	117.2	290.5	41.0	−109.7	36.2	102.5	290.5	35.9	−95.9	0.125	0.875	b16r	c87v		0.33	0.0	1.0	0.289	0.0	0.875

3 Colours no. *j*=16

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.875	0.0	0.586	0.875	0.027	0.584	0.926
$rgb^*_{Fa,\ 8bit}$	0	32	223	0	149	223	7	149	236
L^*, C^*_{ab}, h_{ab}	32.1	90.4	301.0	57.7	46.3	264.8	62.7	43.2	269.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	65.0	65.0	3D−it:	6.7	6.7

3 Colours no. *j*=16

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.875	0.289	0.0	0.875	0.0	0.251	0.99
$olv^*_{Fa,\ 8bit}$	0	32	223	74	0	223	0	64	252
L^*, C^*_{ab}, h_{ab}	32.1	90.4	301.0	36.2	102.5	290.5	45.0	95.8	300.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.8	21.8	3D−in:	14.0	14.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb -> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
17	0.0	0.125	1.0	263.4	63.1	53.4	265.7	−3.9	−53.1	63.1	53.4	265.7	−3.9	−53.1	0.0	1.0	g94b	c34v		0.0	0.663	1.0	0.0	0.663	1.0
n_{rgb}	rgb -> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
17	0.0	0.125	1.0	263.4	39.4	116.7	292.3	44.3	−107.9	39.4	116.7	292.3	44.3	−107.9	0.0	1.0	b18r	c89v		0.361	0.0	1.0	0.361	0.0	1.0

3 Colours no. *j*=17

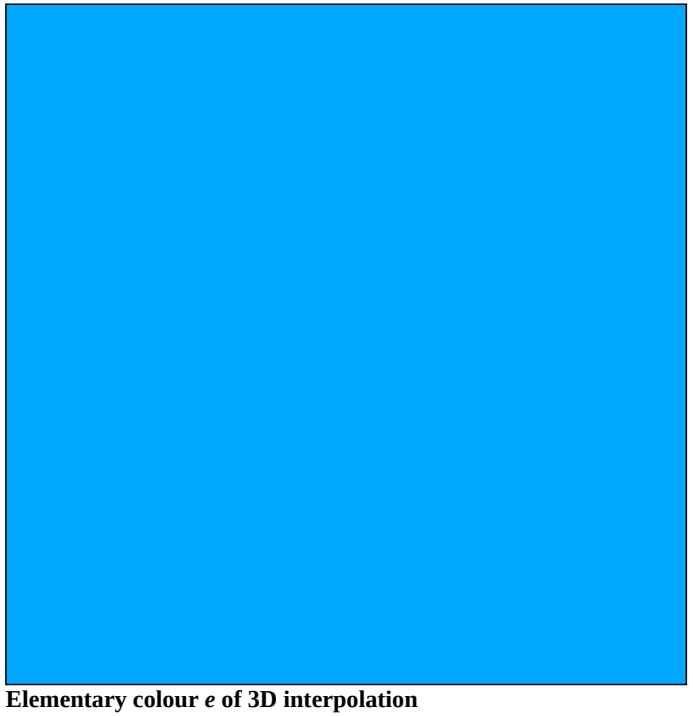
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	1.0	0.0	0.663	1.0	0.0	0.664	1.0
$rgb^*_{Fa,\ 8bit}$	0	32	255	0	169	255	0	169	255
L^*, C^*_{ab}, h_{ab}	37.2	113.4	302.1	63.1	53.4	265.7	65.1	50.3	270.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	81.4	81.4	3D−it:	5.9	5.9	

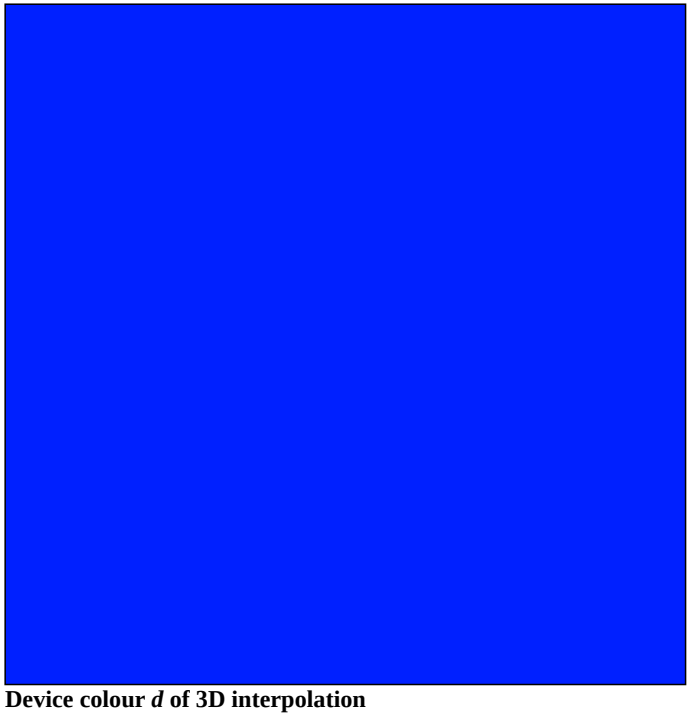
3 Colours no. *j*=17

output of the device colour *d*:

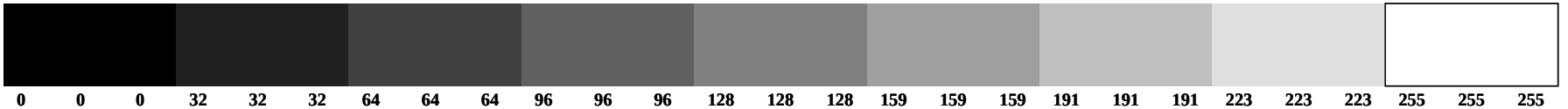
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	1.0	0.361	0.0	1.0	0.0	0.125	1.0
$olv^*_{Fa,\ 8bit}$	0	32	255	92	0	255	0	32	255
L^*, C^*_{ab}, h_{ab}	37.2	113.4	302.1	39.4	116.7	292.3	39.7	111.4	304.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.2	20.2	3D−in:	5.8	5.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
18	0.0	0.25	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	34.7	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
18	0.0	0.25	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	34.7	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.75	0.25	j99g	l77c		0.0	1.0	0.774	0.0	0.25	0.194
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.75	0.25	j57g	y100l		0.425	1.0	0.0	0.106	0.25	0.0

3 Colours no. *j*=18

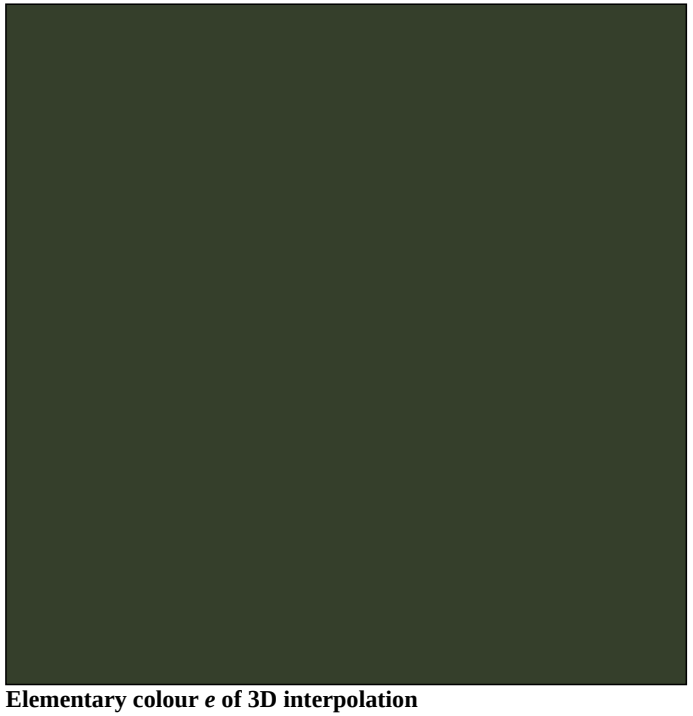
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.25	0.0	0.0	0.25	0.194	0.208	0.246	0.168
$rgb^*_{Fa,\ 8bit}$	0	64	0	0	64	49	53	63	43
L^*, C^*_{ab}, h_{ab}	32.3	33.9	140.3	34.7	15.9	162.2	43.5	15.9	151.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.2	20.2	3D−it:	9.3	9.3	

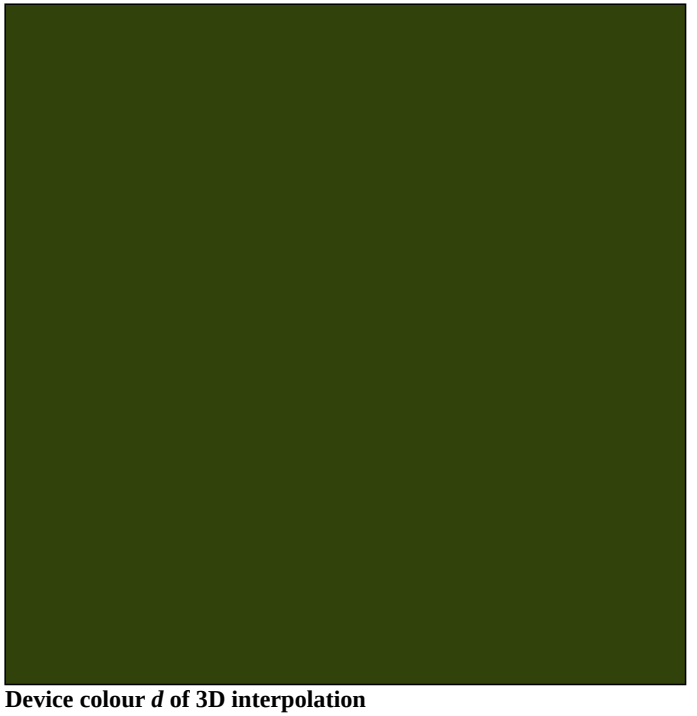
3 Colours no. *j*=18

output of the device colour *d*:

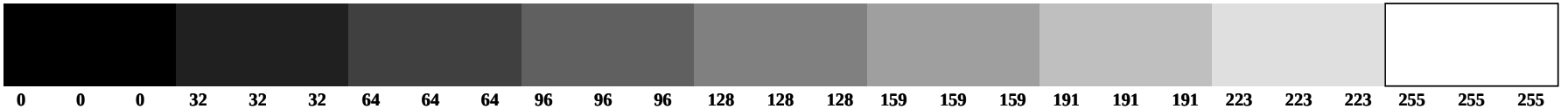
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.25	0.0	0.106	0.25	0.0	0.193	0.257	0.042
$olv^*_{Fa,\ 8bit}$	0	64	0	27	64	0	49	66	11
L^*, C^*_{ab}, h_{ab}	32.3	33.9	140.3	34.7	27.7	132.5	36.4	28.8	127.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−in:	9.8	9.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
19	0.0	0.25	0.125	180.0	87.0	49.2	189.6	−48.4	−8.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
19	0.0	0.25	0.125	180.0	84.4	116.1	164.6	−111.8	30.8

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
35.0	12.3	189.6	−12.0	−2.0	0.75	0.25	g25b	l97c		0.0	1.0	0.967	0.0	0.25	0.242
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
34.3	29.0	164.6	−27.9	7.7	0.75	0.25	g02b	l50c		0.0	1.0	0.043	0.0	0.25	0.011

3 Colours no. *j*=19

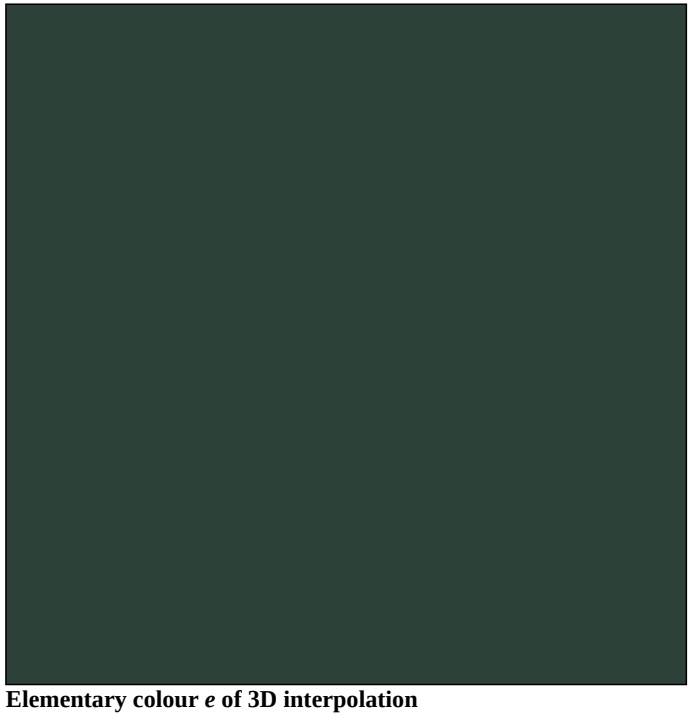
output of the elementary colour *e*:

rgb input (in):									
	0.0	0.25	0.125	0.0	0.25	0.242	0.181	0.254	0.221
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	64	32	0	64	62	46	65	56
L^*, C^*_{ab}, h_{ab}	32.5	24.6	155.4	35.0	12.3	189.6	35.9	9.4	162.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.2	16.2	3D−it:	6.0	6.0

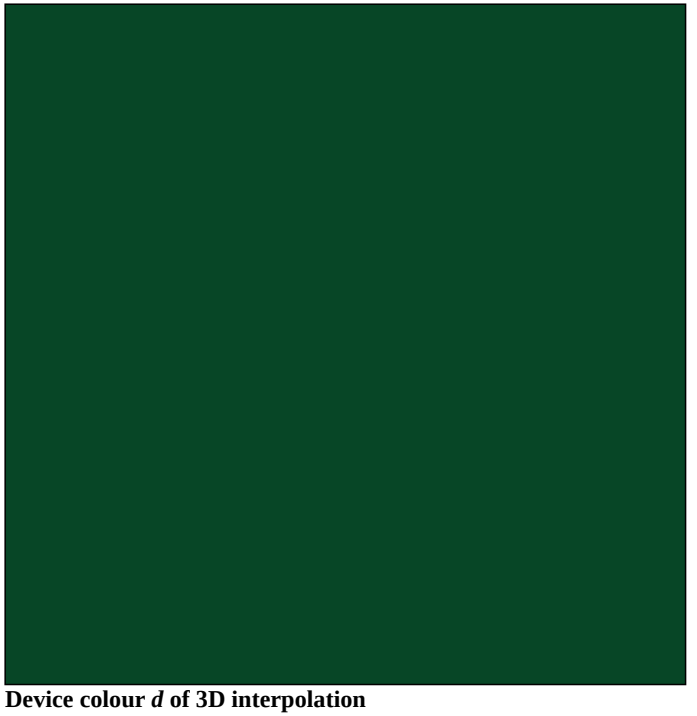
3 Colours no. *j*=19

output of the device colour *d*:

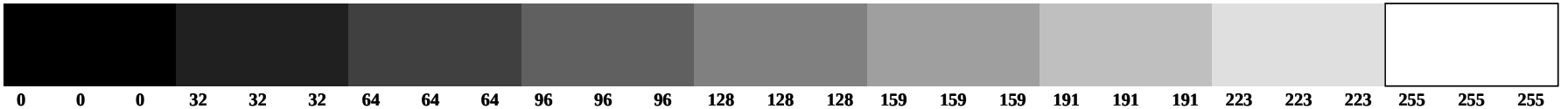
rgb input (in):									
	0.0	0.25	0.125	0.0	0.25	0.011	0.029	0.274	0.148
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	64	32	0	64	3	7	70	38
L^*, C^*_{ab}, h_{ab}	32.5	24.6	155.4	34.3	29.0	164.6	36.1	24.6	155.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.4	6.4	3D−in:	3.6	3.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
20	0.0	0.25	0.25	210.0	80.3	43.6	217.0	−34.7	−26.1	33.3	10.9	217.0	−8.6	−6.5	0.75	0.25	g50b	c08v		0.0	0.925	1.0	0.0	0.231	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
20	0.0	0.25	0.25	210.0	85.3	72.8	196.7	−69.6	−20.8	34.6	18.2	196.7	−17.3	−5.1	0.75	0.25	g31b	c00v		0.0	1.0	0.63	0.0	0.25	0.158

3 Colours no. *j*=20

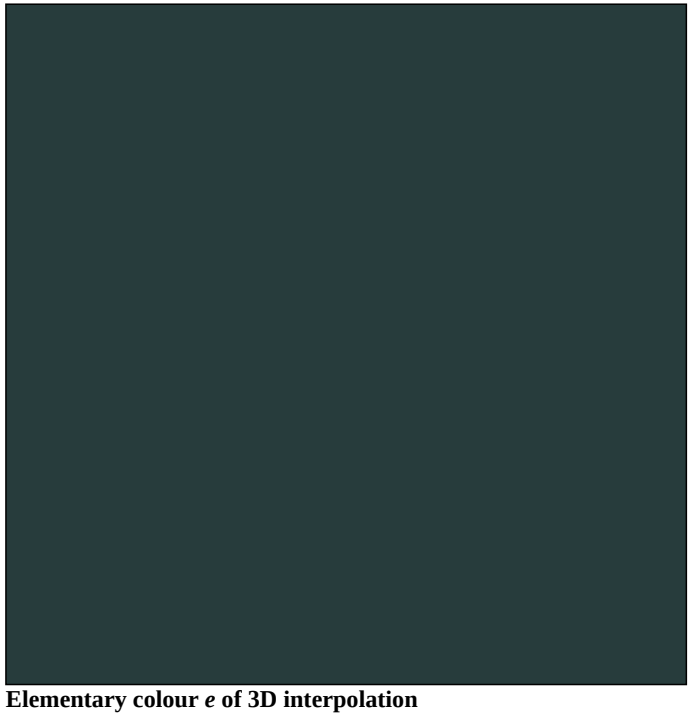
output of the elementary colour *e*:

rgb input (in):									
	0.0	0.25	0.25	0.0	0.231	0.25	0.153	0.234	0.236
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	64	64	0	59	64	39	60	60
L^*, C^*_{ab}, h_{ab}	33.3	16.0	212.3	33.3	10.9	217.0	34.0	10.5	215.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	0.9	0.9	

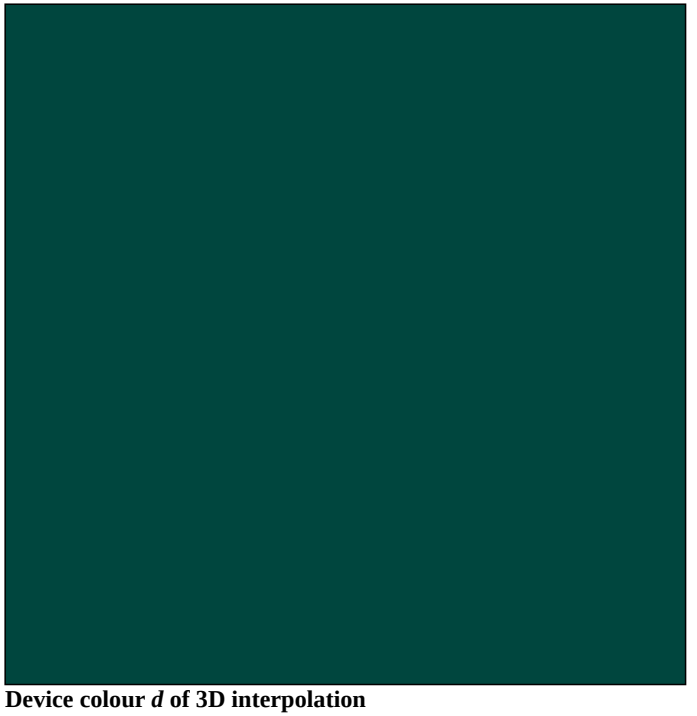
3 Colours no. *j*=20

output of the device colour *d*:

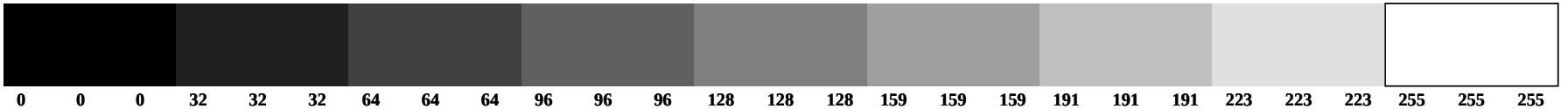
rgb input (in):									
	0.0	0.25	0.25	0.0	0.25	0.158	0.0	0.276	0.243
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	64	64	0	64	40	0	70	62
L^*, C^*_{ab}, h_{ab}	33.3	16.0	212.3	34.6	18.2	196.7	35.9	13.7	188.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.3	5.3	3D−in:	7.1	7.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
21	0.0	0.25	0.375	229.1	74.4	42.6	234.4	−24.7	−34.6	38.9	16.0	234.4	−9.2	−12.9	0.625	0.375	g66b	c15v		0.0	0.854	1.0	0.0	0.32	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
21	0.0	0.25	0.375	229.1	67.5	47.2	230.9	−29.7	−36.6	36.4	17.7	230.9	−11.1	−13.6	0.625	0.375	g62b	c32v		0.0	0.746	1.0	0.0	0.28	0.375

3 Colours no. *j*=21

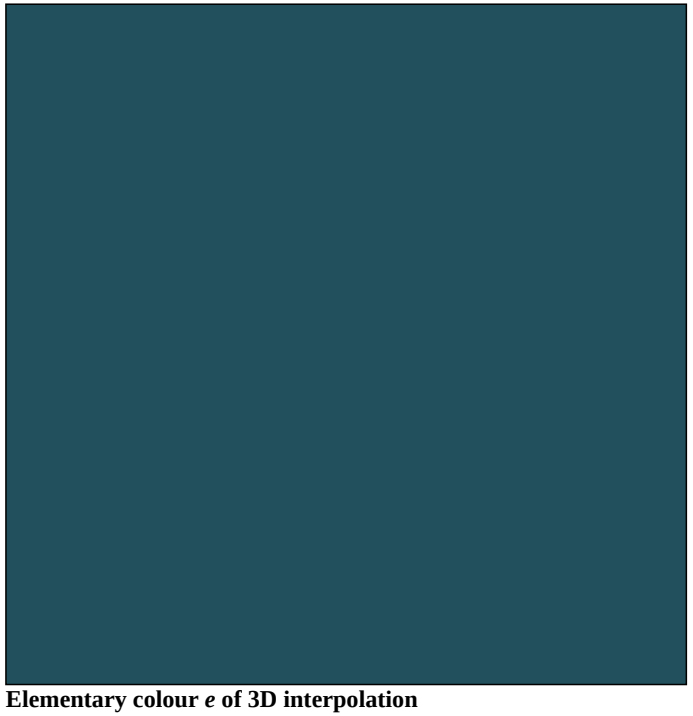
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.25	0.375	0.0	0.32	0.375	0.132	0.317	0.365
$rgb^*_{Fa,\ 8bit}$	0	64	96	0	82	96	34	81	93
L^*, C^*_{ab}, h_{ab}	34.1	23.0	257.5	38.9	16.0	234.4	44.7	7.5	255.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−it:	11.0	11.0	

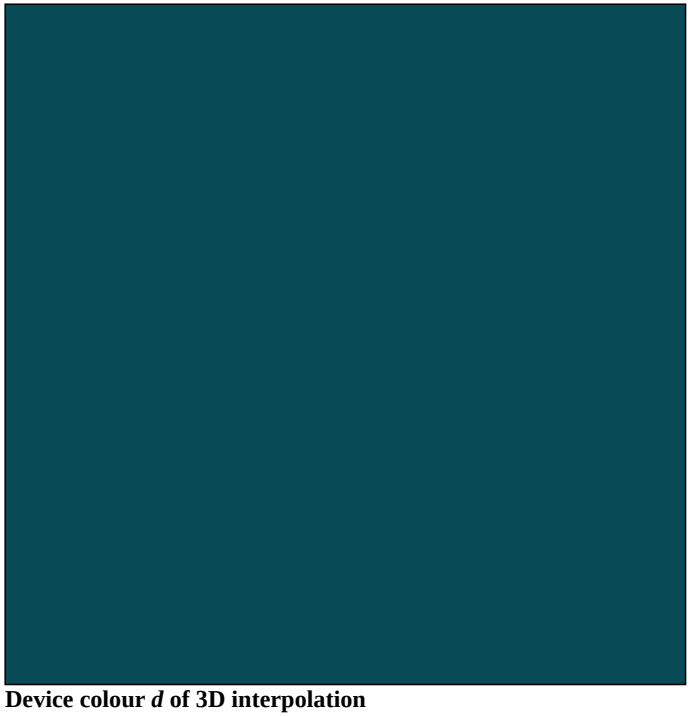
3 Colours no. *j*=21

output of the device colour *d*:

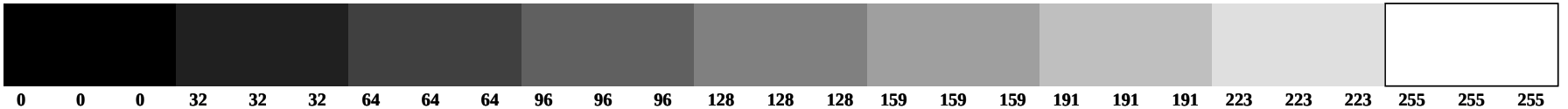
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.25	0.375	0.0	0.28	0.375	0.032	0.289	0.335
$olv^*_{Fa,\ 8bit}$	0	64	96	0	71	96	8	74	85
L^*, C^*_{ab}, h_{ab}	34.1	23.0	257.5	36.4	17.7	230.9	42.5	10.7	234.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	16.2	16.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
22	0.0	0.25	0.5	240.0	71.1	44.7	244.4	−19.3	−40.2	44.4	22.4	244.4	−9.6	−20.1	0.5	0.5	g75b	c20v		0.0	0.802	1.0	0.0	0.401	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
22	0.0	0.25	0.5	240.0	49.5	79.9	250.4	−26.7	−75.1	33.6	39.9	250.4	−13.3	−37.5	0.5	0.5	g80b	c50v		0.0	0.39	1.0	0.0	0.195	0.5

3 Colours no. *j*=22

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.25	0.5	0.0	0.401	0.5	0.135	0.394	0.511
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	64	128	0	102	128	35	100	130
L^*, C^*_{ab}, h_{ab}	35.0	34.9	275.9	44.4	22.4	244.4	45.5	21.1	245.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	21.8	21.8	3D−it:	1.7	1.7	

3 Colours no. *j*=22

output of the device colour *d*:

rgb input (in):									
	0.0	0.25	0.5	0.0	0.195	0.5	0.0	0.376	0.624
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	64	128	0	50	128	0	96	159
L^*, C^*_{ab}, h_{ab}	35.0	34.9	275.9	33.6	39.9	250.4	43.9	32.2	267.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.3	17.3	3D−in:	10.7	10.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
23	0.0	0.25	0.625	246.6	69.1	46.0	250.4	−15.4	−43.3	49.8	28.8	250.4	−9.6	−27.0	0.375	0.625	g80b	c23v		0.0	0.771	1.0	0.0	0.482	0.625
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
23	0.0	0.25	0.625	246.6	39.5	106.9	262.2	−14.4	−105.8	31.3	66.8	262.2	−9.0	−66.1	0.375	0.625	g90b	c61v		0.0	0.174	1.0	0.0	0.109	0.625

3 Colours no. j=23

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.25	0.625	0.0	0.482	0.625	0.132	0.472	0.666
$rgb^*_{Fa,\ 8bit}$	0	64	159	0	123	159	34	120	170
L^*, C^*_{ab}, h_{ab}	36.0	46.9	284.3	49.8	28.8	250.4	52.4	24.0	248.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	31.3	31.3	3D−it:	5.5	5.5	

3 Colours no. j=23

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.25	0.625	0.0	0.109	0.625	0.0	0.376	0.875
$olv^*_{Fa,\ 8bit}$	0	64	159	0	28	159	0	96	223
L^*, C^*_{ab}, h_{ab}	36.0	46.9	284.3	31.3	66.8	262.2	55.3	40.1	283.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.7	29.7	3D−in:	20.4	20.4	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
24	0.0	0.25	0.75	250.9	67.8	46.9	254.3	−12.6	−45.0	55.2	35.2	254.3	−9.4	−33.8	0.25	0.75	g83b	c25v		0.0	0.75	1.0	0.0	0.563	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
24	0.0	0.25	0.75	250.9	35.4	119.0	269.9	−0.1	−118.9	30.9	89.2	269.9	−0.1	−89.1	0.25	0.75	g97b	c68v		0.0	0.034	1.0	0.0	0.025	0.75

3 Colours no. *j*=24

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.25	0.75	0.0	0.563	0.75	0.124	0.554	0.821
$rgb^*_{Fa,\ 8bit}$	0	64	191	0	143	191	32	141	209
L^*, C^*_{ab}, h_{ab}	37.3	58.7	289.4	55.2	35.2	254.3	58.1	33.1	254.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	40.4	40.4	3D−it:	3.5	3.5	

3 Colours no. *j*=24

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.25	0.75	0.0	0.025	0.75	0.0	0.376	0.913
$olv^*_{Fa,\ 8bit}$	0	64	191	0	6	191	0	96	233
L^*, C^*_{ab}, h_{ab}	37.3	58.7	289.4	30.9	89.2	269.9	61.2	65.3	301.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	39.6	39.6	3D−in:	28.1	28.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
25	0.0	0.25	0.875	253.9	66.6	48.4	257.0	−10.8	−47.1	60.5	42.4	257.0	−9.4	−41.2	0.125	0.875	g86b	c27v		0.0	0.729	1.0	0.0	0.638	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
25	0.0	0.25	0.875	253.9	35.1	120.6	275.3	11.1	−120.0	32.9	105.6	275.3	9.7	−105.0	0.125	0.875	b03r	c73v		0.062	0.0	1.0	0.054	0.0	0.875

3 Colours no. *j*=25

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.25	0.875	0.0	0.638	0.875	0.041	0.636	0.925
$rgb^*_{Fa,\ 8bit}$	0	64	223	0	163	223	11	162	236
L^*, C^*_{ab}, h_{ab}	38.9	72.1	293.1	60.5	42.4	257.0	68.9	40.1	259.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	50.2	50.2	3D−it:	8.8	8.8	

3 Colours no. *j*=25

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.25	0.875	0.054	0.0	0.875	0.0	0.376	1.0
$olv^*_{Fa,\ 8bit}$	0	64	223	14	0	223	0	96	255
L^*, C^*_{ab}, h_{ab}	38.9	72.1	293.1	32.9	105.6	275.3	54.0	79.6	301.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	43.4	43.4	3D−in:	20.5	20.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
26	0.0	0.25	1.0	256.1	65.8	49.6	259.1	−9.3	−48.6	65.8	49.6	259.1	−9.3	−48.6	0.0	1.0	g88b	c29v		0.0	0.714	1.0	0.0	0.714	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
26	0.0	0.25	1.0	256.1	35.6	120.1	279.2	19.2	−118.5	35.6	120.1	279.2	19.2	−118.5	0.0	1.0	b06r	c77v		0.131	0.0	1.0	0.131	0.0	1.0

3 Colours no. *j*=26

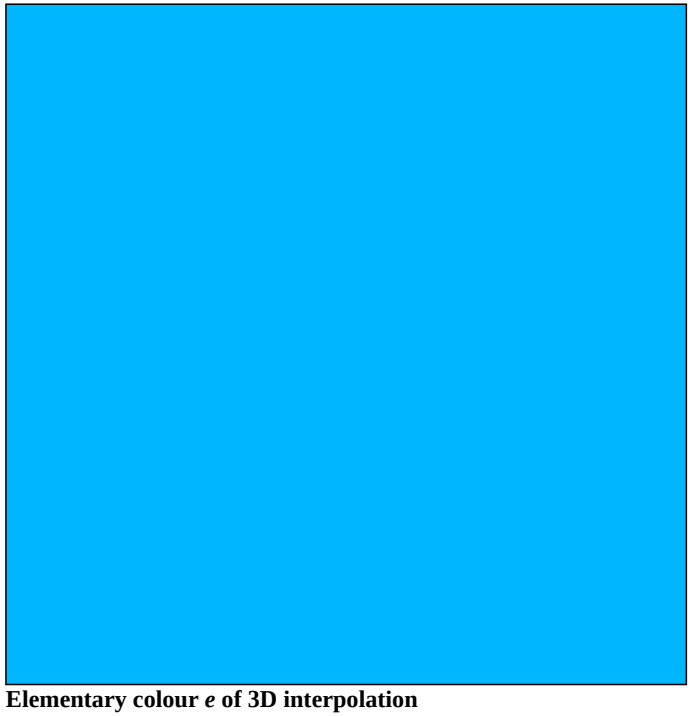
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.25	1.0	0.0	0.714	1.0	0.0	0.715	1.0
$rgb^*_{Fa,\ 8bit}$	0	64	255	0	182	255	0	182	255
L^*, C^*_{ab}, h_{ab}	42.9	97.0	297.1	65.8	49.6	259.1	68.1	45.2	260.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	69.4	69.4	3D−it:	5.1	5.1	

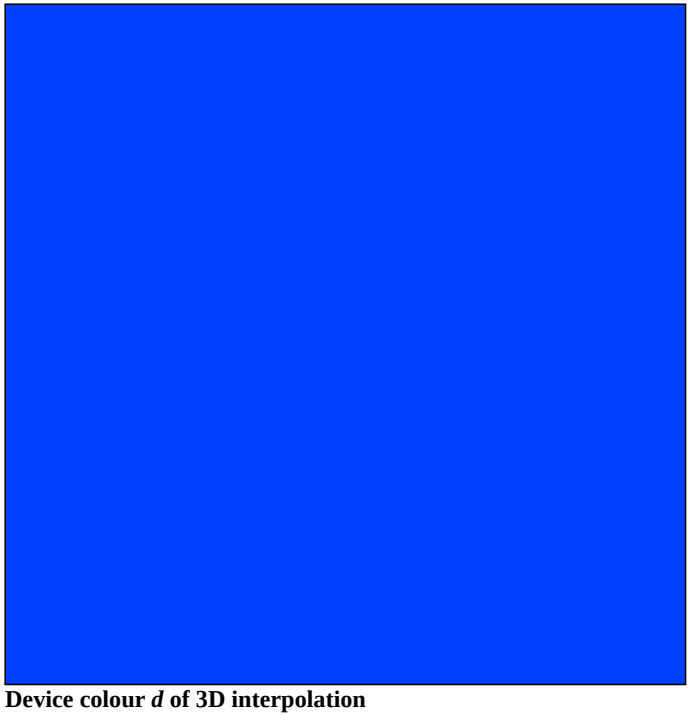
3 Colours no. *j*=26

output of the device colour *d*:

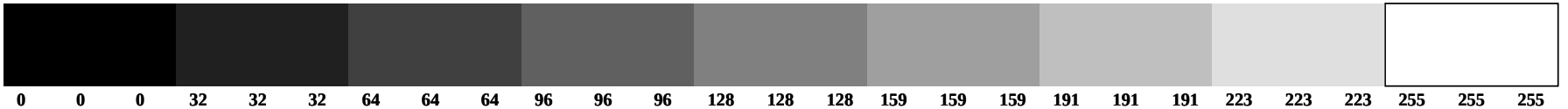
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.25	1.0	0.131	0.0	1.0	0.0	0.251	1.0
$olv^*_{Fa,\ 8bit}$	0	64	255	33	0	255	0	64	255
L^*, C^*_{ab}, h_{ab}	42.9	97.0	297.1	35.6	120.1	279.2	46.8	95.1	303.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	41.4	41.4	3D−in:	10.8	10.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
27	0.0	0.375	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	43.2	23.8	162.2	−22.6	7.3	0.625	0.375	j99g	l77c		0.0	1.0	0.774	0.0	0.375	0.29
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
27	0.0	0.375	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	43.3	41.5	132.5	−28.0	30.6	0.625	0.375	j57g	y100l		0.425	1.0	0.0	0.159	0.375	0.0

3 Colours no. *j*=27

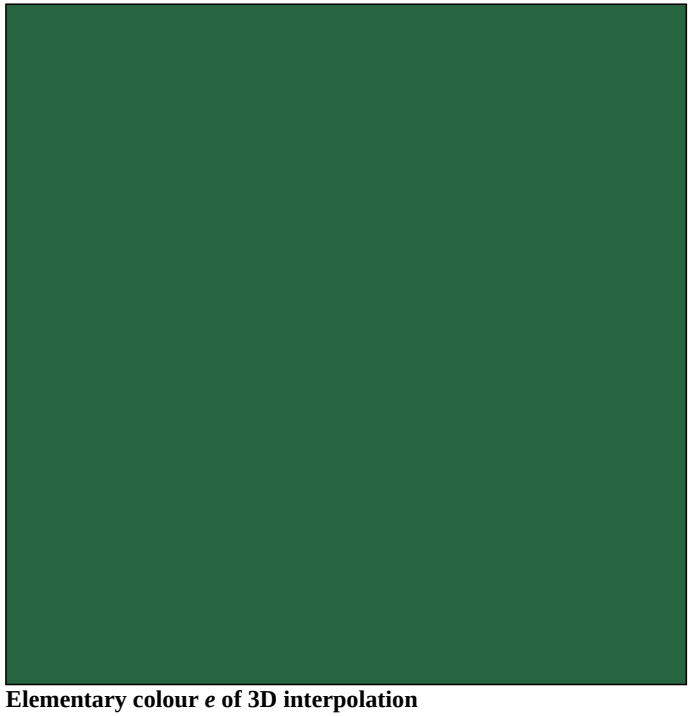
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.0	0.0	0.375	0.29	0.152	0.392	0.25
$rgb^*_{Fa,\ 8bit}$	0	96	0	0	96	74	39	100	64
L^*, C^*_{ab}, h_{ab}	40.6	50.2	138.8	43.2	23.8	162.2	44.4	24.2	157.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	30.0	30.0	3D−it:	2.5	2.5	

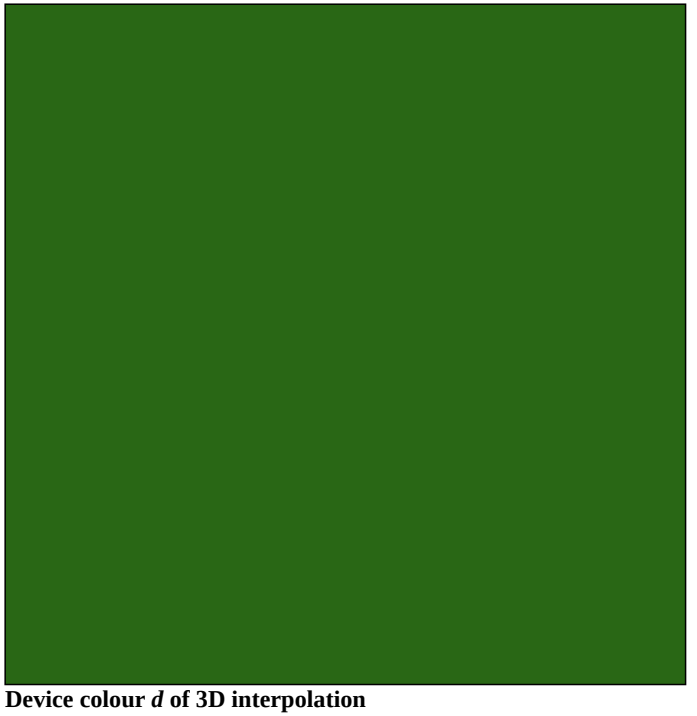
3 Colours no. *j*=27

output of the device colour *d*:

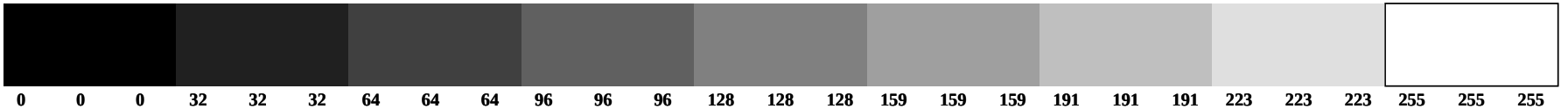
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.0	0.159	0.375	0.0	0.159	0.402	0.083
$olv^*_{Fa,\ 8bit}$	0	96	0	41	96	0	41	102	21
L^*, C^*_{ab}, h_{ab}	40.6	50.2	138.8	43.3	41.5	132.5	45.4	41.1	124.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−in:	15.2	15.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
28	0.0	0.375	0.125	169.1	86.5	53.1	179.7	−53.0	0.3	43.5	19.9	179.7	−19.8	0.1	0.625	0.375	g16b	l92c		0.0	1.0	0.921	0.0	0.375	0.345
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
28	0.0	0.375	0.125	169.1	84.6	116.8	152.9	−103.9	53.2	42.7	43.8	152.9	−38.9	19.9	0.625	0.375	j86g	l32c		0.133	1.0	0.0	0.05	0.375	0.0

3 Colours no. *j*=28

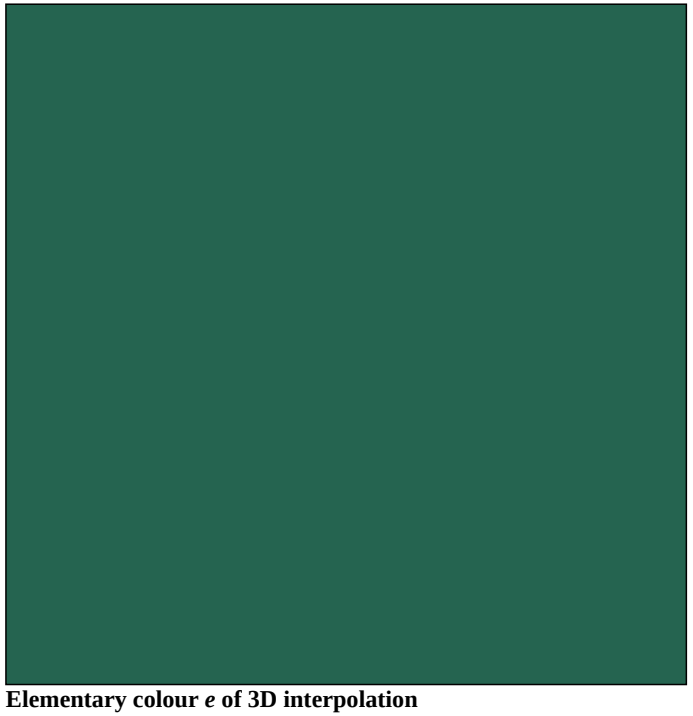
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.125	0.0	0.375	0.345	0.145	0.394	0.314
$rgb^*_{Fa,\ 8bit}$	0	96	32	0	96	88	37	100	80
L^*, C^*_{ab}, h_{ab}	40.8	41.0	147.1	43.5	19.9	179.7	45.0	17.5	162.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.6	26.6	3D−it:	6.1	6.1	

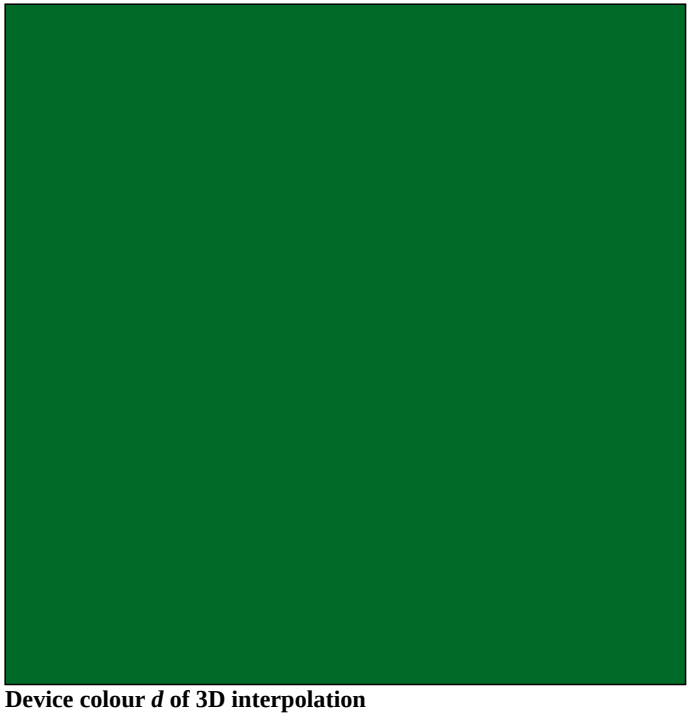
3 Colours no. *j*=28

output of the device colour *d*:

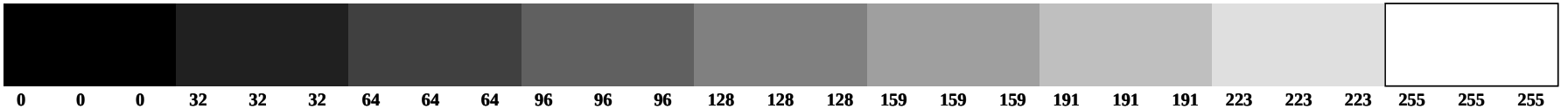
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.125	0.05	0.375	0.0	0.0	0.415	0.159
$olv^*_{Fa,\ 8bit}$	0	96	32	13	96	0	0	106	40
L^*, C^*_{ab}, h_{ab}	40.8	41.0	147.1	42.7	43.8	152.9	44.7	41.0	147.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−in:	4.0	4.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
29	0.0	0.375	0.25	190.9	86.3	46.0	199.5	−43.3	−15.3	43.4	17.3	199.5	−16.2	−5.7	0.625	0.375	g33b	c01v		0.0	0.989	1.0	0.0	0.371	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
29	0.0	0.375	0.25	190.9	84.6	100.4	176.3	−100.16.5		42.8	37.6	176.3	−37.5	2.5	0.625	0.375	g13b	l68c		0.0	1.0	0.256	0.0	0.375	0.096

3 Colours no. *j*=29

output of the elementary colour *e*:

rgb input (in):								
	0.0	0.375	0.25	0.0	0.371	0.375	0.152	0.388	0.364
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	96	64	0	95	96	39	99	93
L^*, C^*_{ab}, h_{ab}	41.3	27.3	171.8	43.4	17.3	199.5	44.3	16.4	190.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.6	14.6	3D−it:	3.0	3.0

linear interpolation (it):	3D interpolation (3D):

3 Colours no. *j*=29

output of the device colour *d*:

rgb input (in):								
	0.0	0.375	0.25	0.0	0.375	0.096	0.0	0.421	0.279
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	96	64	0	96	25	0	107	71
L^*, C^*_{ab}, h_{ab}	41.3	27.3	171.8	42.8	37.6	176.3	49.3	32.1	174.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.8	10.8	3D−in:	9.4	9.4

linear interpolation (it):	3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
30	0.0	0.375	0.375	210.0	80.3	43.6	217.0	−34.7	−26.1	41.2	16.4	217.0	−13.0	−9.7
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
30	0.0	0.375	0.375	210.0	85.3	72.8	196.7	−69.6	−20.8	43.0	27.3	196.7	−26.0	−7.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.375	g50b	c08v		0.0	0.925	1.0	0.0	0.347	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.375	g31b	c00v		0.0	1.0	0.63	0.0	0.375	0.236

3 Colours no. j=30

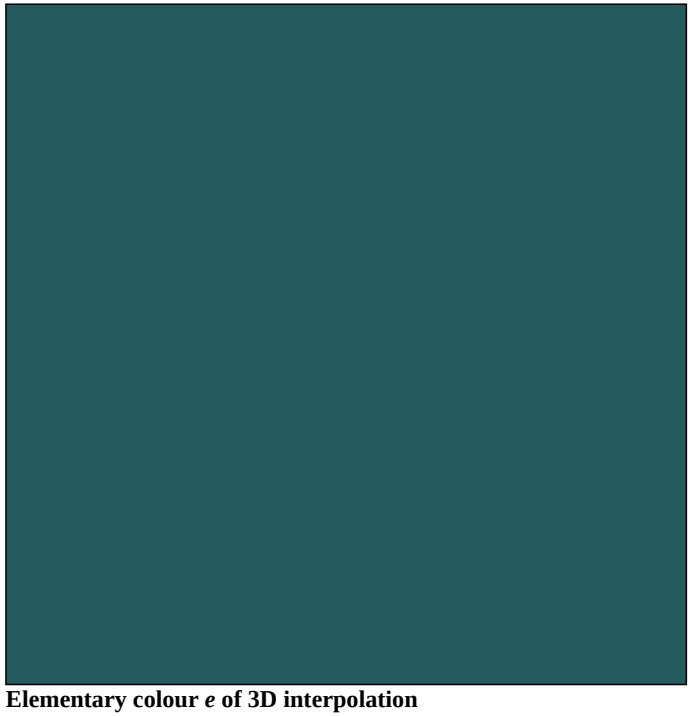
output of the elementary colour e:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.375	0.0	0.347	0.375	0.136	0.353	0.368
$rgb^*_{Fa,\ 8bit}$	0	96	96	0	88	96	35	90	94
L^*, C^*_{ab}, h_{ab}	41.8	22.2	206.6	41.2	16.4	217.0	42.5	13.3	220.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−it:	3.5	3.5	

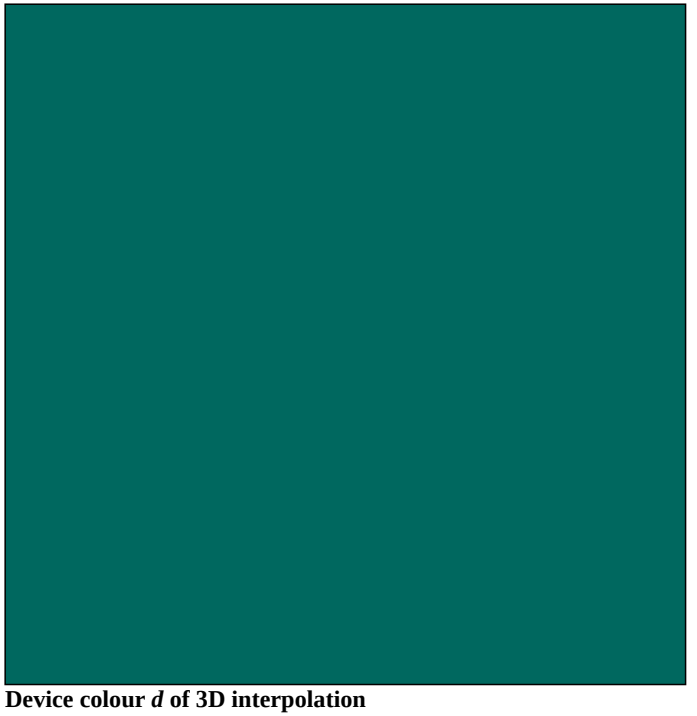
3 Colours no. j=30

output of the device colour d:

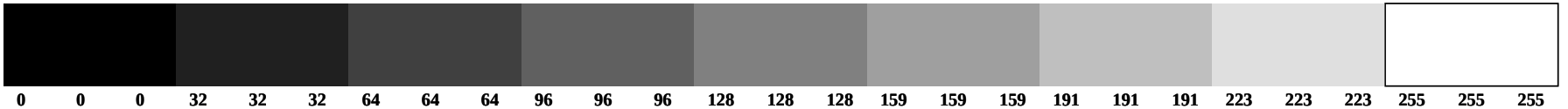
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.375	0.0	0.375	0.236	0.0	0.406	0.372
$olv^*_{Fa,\ 8bit}$	0	96	96	0	96	60	0	103	95
L^*, C^*_{ab}, h_{ab}	41.8	22.2	206.6	43.0	27.3	196.7	44.2	20.7	196.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	4.8	4.8	



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
31	0.0	0.375	0.5	223.9	75.9	41.9	229.7	−27.0	−31.8	46.8	20.9	229.7	−13.4	−15.9	0.5	0.5	g61b	c12v		0.0	0.878	1.0	0.0	0.439	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
31	0.0	0.375	0.5	223.9	79.5	43.3	221.6	−32.3	−28.6	48.6	21.6	221.6	−16.1	−14.3	0.5	0.5	g54b	c23v		0.0	0.916	1.0	0.0	0.458	0.5

3 Colours no. *j*=31

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.375	0.5	0.0	0.439	0.5	0.147	0.435	0.508
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	96	128	0	112	128	37	111	129
L^*, C^*_{ab}, h_{ab}	42.6	25.4	241.6	46.8	20.9	229.7	52.2	16.3	234.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−it:	7.3	7.3	

3 Colours no. *j*=31

output of the device colour *d*:

rgb input (in):									
	0.0	0.375	0.5	0.0	0.458	0.5	0.146	0.465	0.52
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	96	128	0	117	128	37	119	133
L^*, C^*_{ab}, h_{ab}	42.6	25.4	241.6	48.6	21.6	221.6	52.2	13.8	226.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	15.9	15.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
32	0.0	0.375	0.625	233.4	73.1	43.5	238.4	−22.7	−36.9	52.3	27.2	238.4	−14.1	−23.0	0.375	0.625	g69b	c17v		0.0	0.834	1.0	0.0	0.521	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
32	0.0	0.375	0.625	233.4	60.1	58.1	238.6	−30.1	−49.5	44.2	36.3	238.6	−18.8	−30.9	0.375	0.625	g69b	c39v		0.0	0.605	1.0	0.0	0.378	0.625

3 Colours no. *j*=32

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.625	0.0	0.521	0.625	0.135	0.516	0.666
$rgb^*_{Fa,\ 8bit}$	0	96	159	0	133	159	34	132	170
L^*, C^*_{ab}, h_{ab}	43.4	33.6	262.2	52.3	27.2	238.4	53.6	24.4	238.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.6	16.6	3D−it:	3.0	3.0

3 Colours no. *j*=32

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.625	0.0	0.378	0.625	0.0	0.421	0.608
$olv^*_{Fa,\ 8bit}$	0	96	159	0	96	159	0	107	155
L^*, C^*_{ab}, h_{ab}	43.4	33.6	262.2	44.2	36.3	238.6	52.4	31.3	253.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.6	14.6	3D−in:	10.5	10.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
33	0.0	0.375	0.75	240.0	71.1	44.7	244.4	−19.3	−40.2	57.7	33.6	244.4	−14.4	−30.2	0.25	0.75	g75b	c20v		0.0	0.802	1.0	0.0	0.602	0.75
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
33	0.0	0.375	0.75	240.0	49.5	79.8	250.4	−26.7	−75.1	41.6	59.9	250.4	−20.0	−56.3	0.25	0.75	g80b	c50v		0.0	0.39	1.0	0.0	0.292	0.75

3 Colours no. j=33

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.75	0.0	0.602	0.75	0.098	0.603	0.827
$rgb^*_{Fa,\ 8bit}$	0	96	191	0	153	191	25	154	211
L^*, C^*_{ab}, h_{ab}	44.3	43.9	274.2	57.7	33.6	244.4	59.2	30.8	244.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.0	26.0	3D−it:	3.1	3.1	

3 Colours no. j=33

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.75	0.0	0.292	0.75	0.0	0.502	0.875
$olv^*_{Fa,\ 8bit}$	0	96	191	0	75	191	0	128	223
L^*, C^*_{ab}, h_{ab}	44.3	43.9	274.2	41.6	59.9	250.4	61.5	55.6	272.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.6	26.6	3D−in:	20.8	20.8	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
34	0.0	0.375	0.875	244.7	69.6	45.7	248.7	−16.5	−42.4	63.1	40.0	248.7	−14.4	−37.1	0.125	0.875	g78b	c22v		0.0	0.78	1.0	0.0	0.682	0.875
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
34	0.0	0.375	0.875	244.7	42.2	98.9	258.8	−19.1	−96.9	39.2	86.5	258.8	−16.7	−84.8	0.125	0.875	g87b	c58v		0.0	0.236	1.0	0.0	0.206	0.875

3 Colours no. *j*=34

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.875	0.0	0.682	0.875	0.027	0.684	0.926
$rgb^*_{Fa,\ 8bit}$	0	96	223	0	174	223	7	174	236
L^*, C^*_{ab}, h_{ab}	45.6	56.4	283.1	63.1	40.0	248.7	67.1	35.4	247.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	37.0	37.0	3D−it:	6.1	6.1

3 Colours no. *j*=34

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.875	0.0	0.206	0.875	0.0	0.502	0.966
$olv^*_{Fa,\ 8bit}$	0	96	223	0	53	223	0	128	246
L^*, C^*_{ab}, h_{ab}	45.6	56.4	283.1	39.2	86.5	258.8	66.4	51.9	294.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	42.5	42.5	3D−in:	24.0	24.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
35	0.0	0.375	1.0	248.2	68.6	46.4	251.9	−14.3	−44.0	68.6	46.4	251.9	−14.3	−44.0	0.0	1.0	g81b	c24v		0.0	0.763	1.0	0.0	0.763	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
35	0.0	0.375	1.0	248.2	37.1	113.6	265.1	−9.6	−113.1	37.1	113.6	265.1	−9.6	−113.1	0.0	1.0	g93b	c64v		0.0	0.121	1.0	0.0	0.121	1.0

3 Colours no. *j*=35

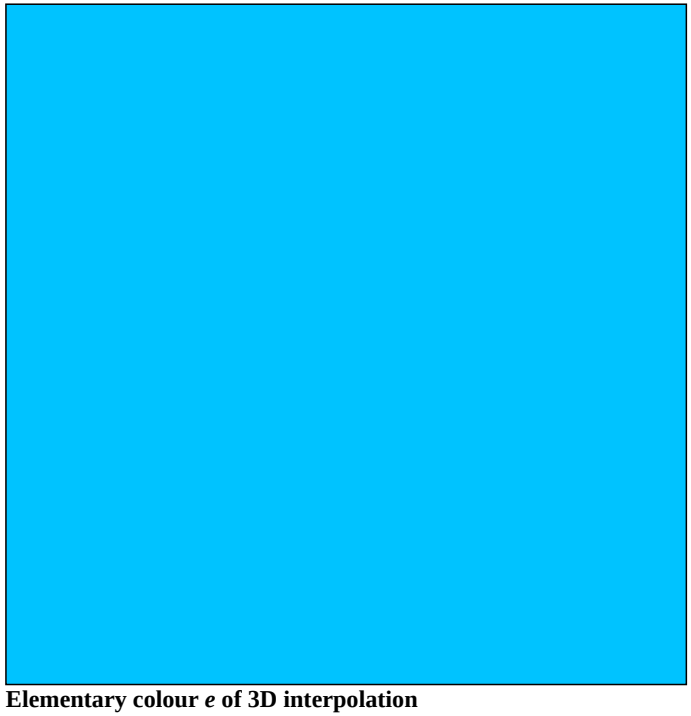
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	1.0	0.0	0.763	1.0	0.0	0.763	1.0
$rgb^*_{Fa,\ 8bit}$	0	96	255	0	195	255	0	195	255
L^*, C^*_{ab}, h_{ab}	48.8	81.5	290.4	68.6	46.4	251.9	69.4	44.8	253.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	57.2	57.2	3D−it:	2.2	2.2	

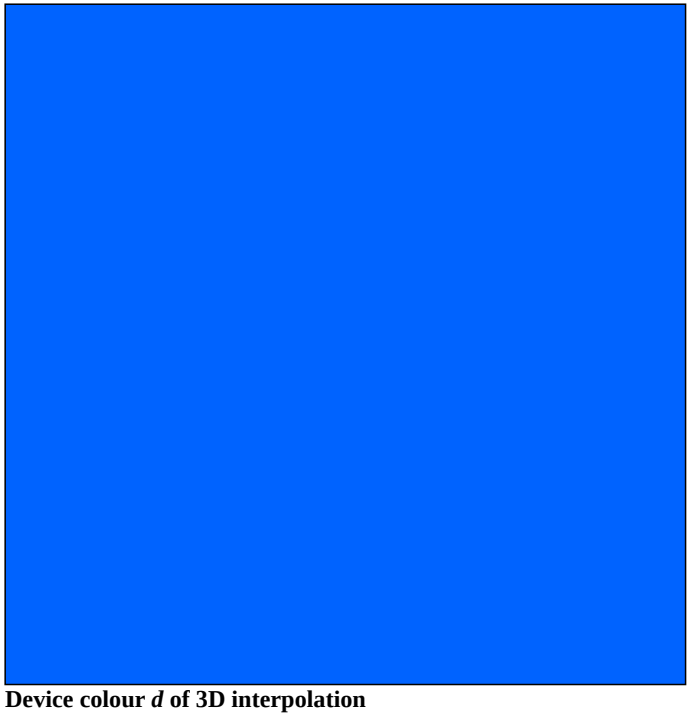
3 Colours no. *j*=35

output of the device colour *d*:

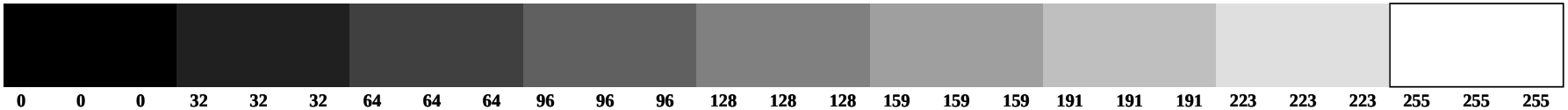
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	1.0	0.0	0.121	1.0	0.0	0.39	1.0
$olv^*_{Fa,\ 8bit}$	0	96	255	0	31	255	0	99	255
L^*, C^*_{ab}, h_{ab}	48.8	81.5	290.4	37.1	113.6	265.1	54.0	79.6	301.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	54.2	54.2	3D−in:	17.1	17.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
36	0.0	0.5	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	51.7	31.8	162.2	−30.1	9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
36	0.0	0.5	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	51.8	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	j99g	l77c		0.0	1.0	0.774	0.0	0.5	0.387
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	j57g	y100l		0.425	1.0	0.0	0.213	0.5	0.0

3 Colours no. *j*=36

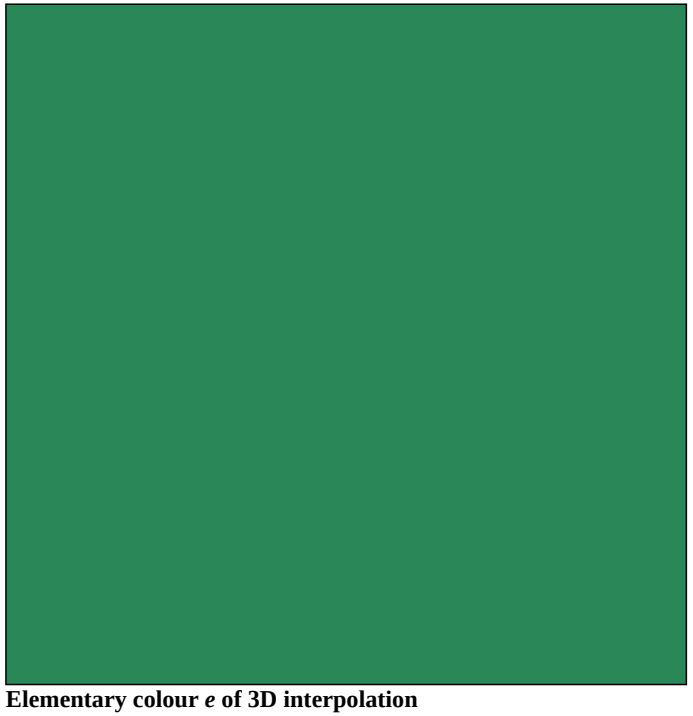
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.5	0.0	0.0	0.5	0.387	0.165	0.53	0.34
$rgb^*_{Fa,\ 8bit}$	0	128	0	0	128	99	42	135	87
L^*, C^*_{ab}, h_{ab}	48.3	63.6	137.4	51.7	31.8	162.2	58.2	31.7	148.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	37.4	37.4	3D−it:	10.2	10.2

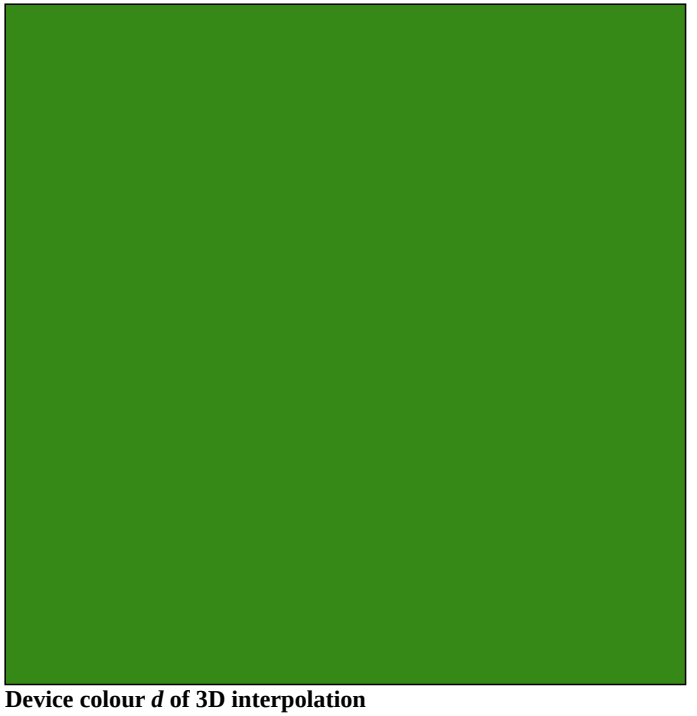
3 Colours no. *j*=36

output of the device colour *d*:

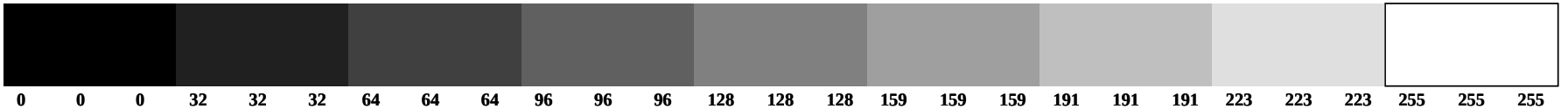
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.5	0.0	0.213	0.5	0.0	0.215	0.537	0.09
$olv^*_{Fa,\ 8bit}$	0	128	0	54	128	0	55	137	23
L^*, C^*_{ab}, h_{ab}	48.3	63.6	137.4	51.8	55.4	132.5	57.1	56.3	126.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.3	10.3	3D−in:	16.1	16.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
37	0.0	0.5	0.125	163.9	86.3	55.0	174.9	−54.6	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
37	0.0	0.5	0.125	163.9	84.9	115.3	147.4	−97.0	62.2

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
52.0	27.5	174.9	−27.3	2.4
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
51.3	57.7	147.4	−48.5	31.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	g11b	l90c		0.0	1.0	0.898	0.0	0.5	0.449
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	j78g	l23c		0.213	1.0	0.0	0.106	0.5	0.0

3 Colours no. *j*=37

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.5	0.125	0.0	0.5	0.449	0.16	0.531	0.41
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	128	32	0	128	115	41	135	105
L^*, C^*_{ab}, h_{ab}	48.5	55.2	143.2	52.0	27.5	174.9	54.1	26.3	174.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.2	35.2	3D−it:	2.5	2.5	

3 Colours no. *j*=37

output of the device colour *d*:

rgb input (in):									
	0.0	0.5	0.125	0.106	0.5	0.0	0.0	0.554	0.165
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	128	32	27	128	0	0	141	42
L^*, C^*_{ab}, h_{ab}	48.5	55.2	143.2	51.3	57.7	147.4	56.4	56.4	141.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−in:	8.2	8.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
38	0.0	0.5	0.25	180.0	87.0	49.2	189.6	−48.4	−8.1	52.3	24.6	189.6	−24.1	−4.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
38	0.0	0.5	0.25	180.0	84.4	116.1	164.6	−111.8	30.8	51.0	58.0	164.6	−55.9	15.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	g25b	l97c		0.0	1.0	0.967	0.0	0.5	0.483
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	g02b	l50c		0.0	1.0	0.043	0.0	0.5	0.022

3 Colours no. *j*=38

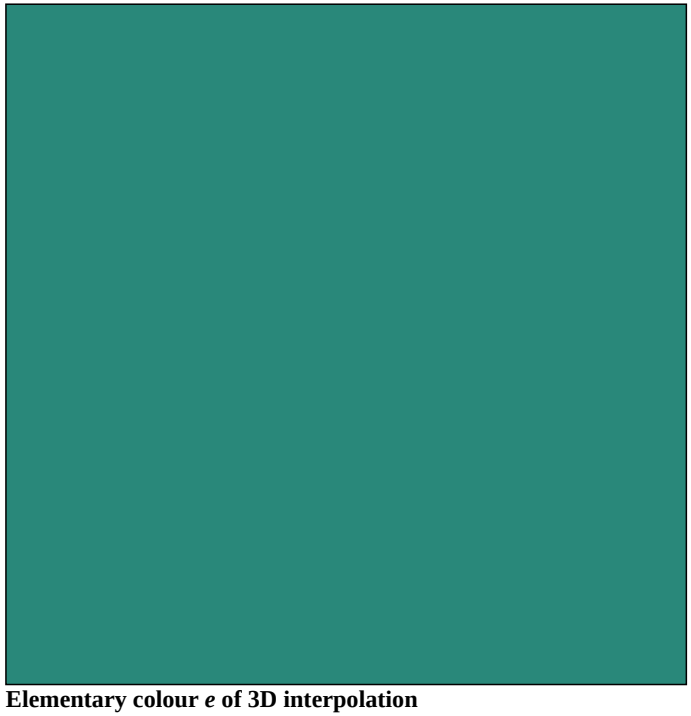
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.5	0.25	0.0	0.5	0.483	0.161	0.532	0.478
$rgb^*_{Fa,\ 8bit}$	0	128	64	0	128	123	41	136	122
L^*, C^*_{ab}, h_{ab}	48.9	41.2	157.9	52.3	24.6	189.6	57.7	21.2	175.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	24.3	24.3	3D−it:	8.6	8.6	

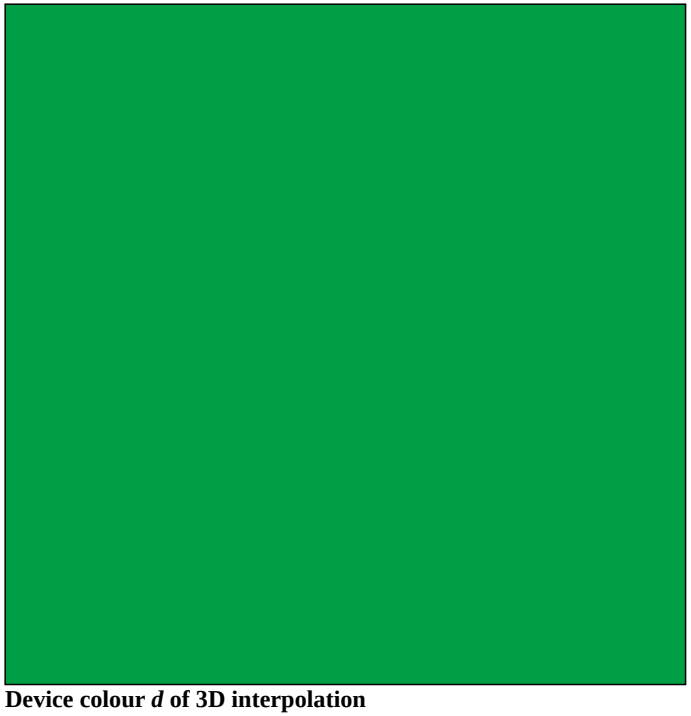
3 Colours no. *j*=38

output of the device colour *d*:

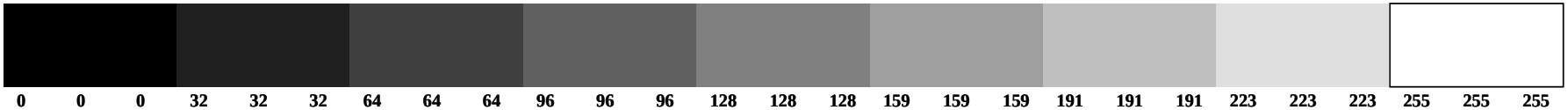
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.5	0.25	0.0	0.5	0.022	0.0	0.624	0.275
$olv^*_{Fa,\ 8bit}$	0	128	64	0	128	6	0	159	70
L^*, C^*_{ab}, h_{ab}	48.9	41.2	157.9	51.0	58.0	164.6	65.1	50.0	148.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.9	17.9	3D−in:	19.8	19.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
39	0.0	0.5	0.375	196.1	84.7	45.4	204.3	−41.2	−18.6	51.2	22.7	204.3	−20.6	−9.2	0.5	0.5	g38b	c03v		0.0	0.972	1.0	0.0	0.486	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
39	0.0	0.5	0.375	196.1	84.8	92.3	181.8	−92.2	−2.9	51.2	46.2	181.8	−46.0	−1.4	0.5	0.5	g18b	l77c		0.0	1.0	0.358	0.0	0.5	0.179

3 Colours no. *j*=39

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.5	0.375	0.0	0.486	0.5	0.157	0.51	0.511
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	128	96	0	124	128	40	130	130
L^*, C^*_{ab}, h_{ab}	49.3	31.9	176.9	51.2	22.7	204.3	51.9	21.2	205.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.9	15.9	3D−it:	1.7	1.7	

3 Colours no. *j*=39

output of the device colour *d*:

rgb input (in):									
	0.0	0.5	0.375	0.0	0.5	0.179	0.0	0.625	0.5
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	128	96	0	128	46	0	159	128
L^*, C^*_{ab}, h_{ab}	49.3	31.9	176.9	51.2	46.2	181.8	56.8	35.8	179.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.7	14.7	3D−in:	8.6	8.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
40	0.0	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	49.0	21.8	217.0	−17.3	−13.0	0.5	0.5	g50b	c08v		0.0	0.925	1.0	0.0	0.462	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
40	0.0	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.8	51.5	36.4	196.7	−34.8	−10.4	0.5	0.5	g31b	c00v		0.0	1.0	0.63	0.0	0.5	0.315

3 Colours no. *j*=40

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.5	0.5	0.0	0.462	0.5	0.145	0.474	0.514
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	128	128	0	118	128	37	121	131
L^*, C^*_{ab}, h_{ab}	49.9	27.2	203.1	49.0	21.8	217.0	51.6	17.3	206.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.0	8.0	3D−it:	6.4	6.4	

linear interpolation (it): | 3D interpolation (3D):

3 Colours no. *j*=40

output of the device colour *d*:

rgb input (in):									
	0.0	0.5	0.5	0.0	0.5	0.315	0.0	0.55	0.502
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	128	128	0	128	80	0	140	128
L^*, C^*_{ab}, h_{ab}	49.9	27.2	203.1	51.5	36.4	196.7	57.7	29.1	200.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	8.2	8.2	

linear interpolation (it): | 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
41	0.0	0.5	0.625	220.9	76.9	42.3	226.9	−28.8	−30.8	54.7	26.4	226.9	−17.9	−19.2	0.375	0.625	g59b	c11v		0.0	0.888	1.0	0.0	0.555	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
41	0.0	0.5	0.625	220.9	87.2	47.6	216.2	−38.3	−28.0	61.1	29.7	216.2	−23.9	−17.5	0.375	0.625	g48b	c18v		0.0	1.0	0.986	0.0	0.625	0.616

3 Colours no. *j*=41

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.5	0.625	0.0	0.555	0.625	0.142	0.559	0.667
$rgb^*_{Fa,\ 8bit}$	0	128	159	0	142	159	36	143	170
L^*, C^*_{ab}, h_{ab}	50.5	28.4	229.8	54.7	26.4	226.9	59.3	24.9	230.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.9	4.9	3D−it:	5.2	5.2

3 Colours no. *j*=41

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.5	0.625	0.0	0.625	0.616	0.14	0.669	0.759
$olv^*_{Fa,\ 8bit}$	0	128	159	0	159	157	36	171	194
L^*, C^*_{ab}, h_{ab}	50.5	28.4	229.8	61.1	29.7	216.2	66.2	26.1	211.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.7	12.7	3D−in:	18.1	18.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
42	0.0	0.5	0.75	229.1	74.4	42.6	234.4	−24.7	−34.6	60.2	32.0	234.4	−18.5	−25.9	0.25	0.75	g66b	c15v		0.0	0.854	1.0	0.0	0.641	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
42	0.0	0.5	0.75	229.1	67.5	47.2	230.9	−29.7	−36.5	55.1	35.4	230.9	−22.2	−27.4	0.25	0.75	g62b	c32v		0.0	0.746	1.0	0.0	0.559	0.75

3 Colours no. *j*=42

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.5	0.75	0.0	0.641	0.75	0.125	0.647	0.825
$rgb^*_{Fa,\ 8bit}$	0	128	191	0	163	191	32	165	210
L^*, C^*_{ab}, h_{ab}	51.3	34.3	251.6	60.2	32.0	234.4	62.0	26.6	232.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.5	13.5	3D−it:	5.8	5.8

3 Colours no. *j*=42

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.5	0.75	0.0	0.559	0.75	0.0	0.59	0.749
$olv^*_{Fa,\ 8bit}$	0	128	191	0	143	191	0	150	191
L^*, C^*_{ab}, h_{ab}	51.3	34.3	251.6	55.1	35.4	230.9	57.9	30.6	225.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.1	13.1	3D−in:	16.6	16.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
43	0.0	0.5	0.875	235.3	72.5	43.8	240.1	−21.8	−37.9	65.6	38.3	240.1	−19.0	−33.1	0.125	0.875	g71b	c18v		0.0	0.825	1.0	0.0	0.722	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
43	0.0	0.5	0.875	235.3	57.1	63.7	242.0	−29.8	−56.1	52.2	55.7	242.0	−26.1	−49.1	0.125	0.875	g72b	c42v		0.0	0.544	1.0	0.0	0.476	0.875

3 Colours no. *j*=43

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.5	0.875	0.0	0.722	0.875	0.028	0.73	0.926
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	128	223	0	184	223	7	186	236
L^*, C^*_{ab}, h_{ab}	52.3	44.1	266.4	65.6	38.3	240.1	72.1	35.4	247.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	23.7	23.7	3D−it:	8.6	8.6

3 Colours no. *j*=43

output of the device colour *d*:

rgb input (in):									
	0.0	0.5	0.875	0.0	0.476	0.875	0.0	0.624	0.891
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	128	223	0	121	223	0	159	227
L^*, C^*_{ab}, h_{ab}	52.3	44.1	266.4	52.2	55.7	242.0	68.9	43.9	260.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	23.9	23.9	3D−in:	17.3	17.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
44	0.0	0.5	1.0	240.0	71.1	44.7	244.4	−19.3	−40.2	71.1	44.7	244.4	−19.3	−40.2	0.0	1.0	g75b	c20v		0.0	0.802	1.0	0.0	0.802	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
44	0.0	0.5	1.0	240.0	49.6	79.8	250.4	−26.7	−75.1	49.6	79.8	250.4	−26.7	−75.1	0.0	1.0	g80b	c50v		0.0	0.39	1.0	0.0	0.39	1.0

3 Colours no. *j*=44

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.5	1.0	0.0	0.802	1.0	0.0	0.804	1.0
$rgb^*_{Fa,\ 8bit}$	0	128	255	0	205	255	0	205	255
L^*, C^*_{ab}, h_{ab}	55.0	67.7	281.8	71.1	44.7	244.4	76.0	34.5	246.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	45.1	45.1	3D−it:	11.5	11.5

3 Colours no. *j*=44

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.5	1.0	0.0	0.39	1.0	0.0	0.624	1.0
$olv^*_{Fa,\ 8bit}$	0	128	255	0	99	255	0	159	255
L^*, C^*_{ab}, h_{ab}	55.0	67.7	281.8	49.6	79.8	250.4	69.9	41.7	265.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	42.0	42.0	3D−in:	33.4	33.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
45	0.0	0.625	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	60.2	39.7	162.2	−37.7	12.1
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
45	0.0	0.625	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	60.4	69.2	132.5	−46.7	51.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.625	j99g	l77c		0.0	1.0	0.774	0.0	0.625	0.484
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.625	j57g	y100l		0.425	1.0	0.0	0.266	0.625	0.0

3 Colours no. *j*=45

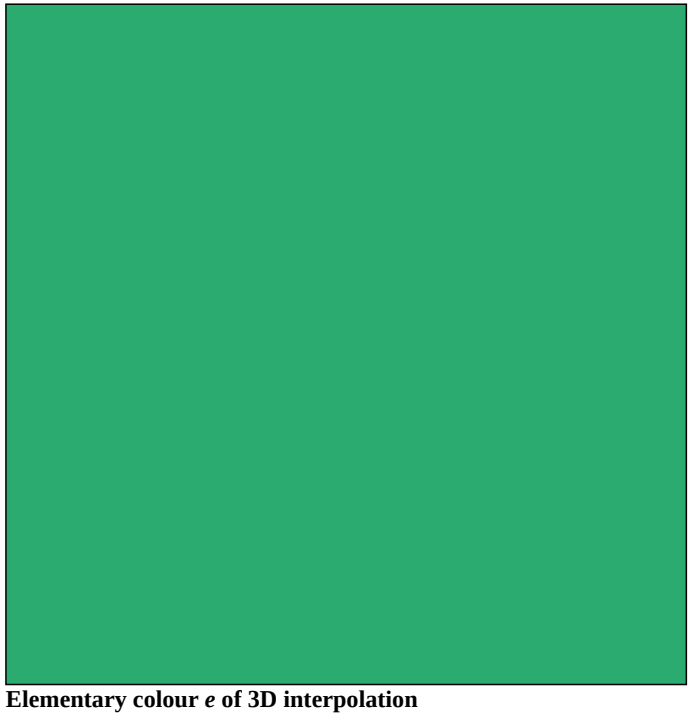
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.0	0.0	0.625	0.484	0.167	0.672	0.438
$rgb^*_{Fa,\ 8bit}$	0	159	0	0	159	123	43	171	112
L^*, C^*_{ab}, h_{ab}	55.5	75.4	136.1	60.2	39.7	162.2	63.6	39.3	160.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	43.7	43.7	3D−it:	3.6	3.6	

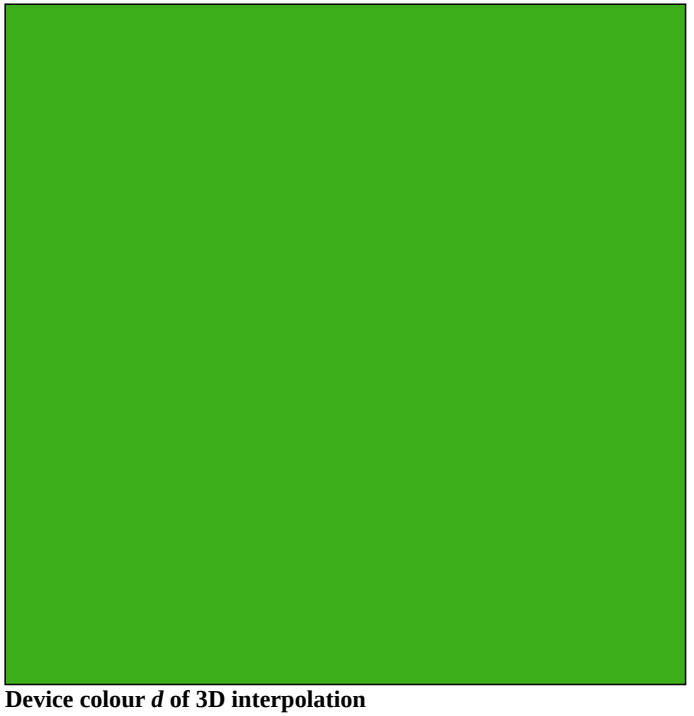
3 Colours no. *j*=45

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.0	0.266	0.625	0.0	0.237	0.681	0.103
$olv^*_{Fa,\ 8bit}$	0	159	0	68	159	0	60	174	26
L^*, C^*_{ab}, h_{ab}	55.5	75.4	136.1	60.4	69.2	132.5	65.6	71.1	127.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−in:	15.6	15.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems

TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
46	0.0	0.625	0.125	160.9	86.2	56.0	172.2	−55.4	7.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
46	0.0	0.625	0.125	160.9	85.1	114.4	144.2	−92.6	67.0

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
60.5	35.0	172.2	−34.6	4.8
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
59.8	71.5	144.2	−57.9	41.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.625	g09b	l89c		0.0	1.0	0.886	0.0	0.625	0.554
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.625	j73g	l18c		0.259	1.0	0.0	0.162	0.625	0.0

3 Colours no. *j*=46

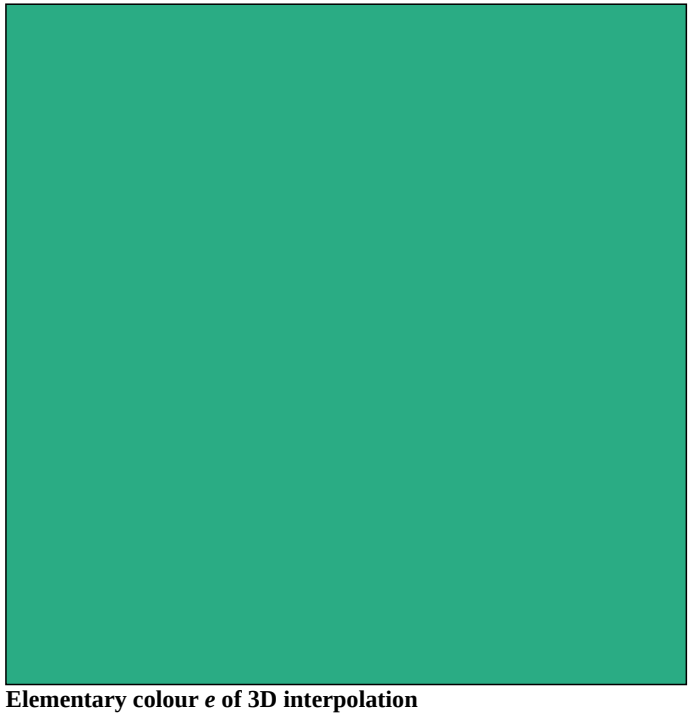
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.125	0.0	0.625	0.554	0.165	0.673	0.516
$rgb^*_{Fa,\ 8bit}$	0	159	32	0	159	141	42	172	131
L^*, C^*_{ab}, h_{ab}	55.6	67.6	140.7	60.5	35.0	172.2	65.0	32.1	165.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	42.2	42.2	3D−it:	6.8	6.8	

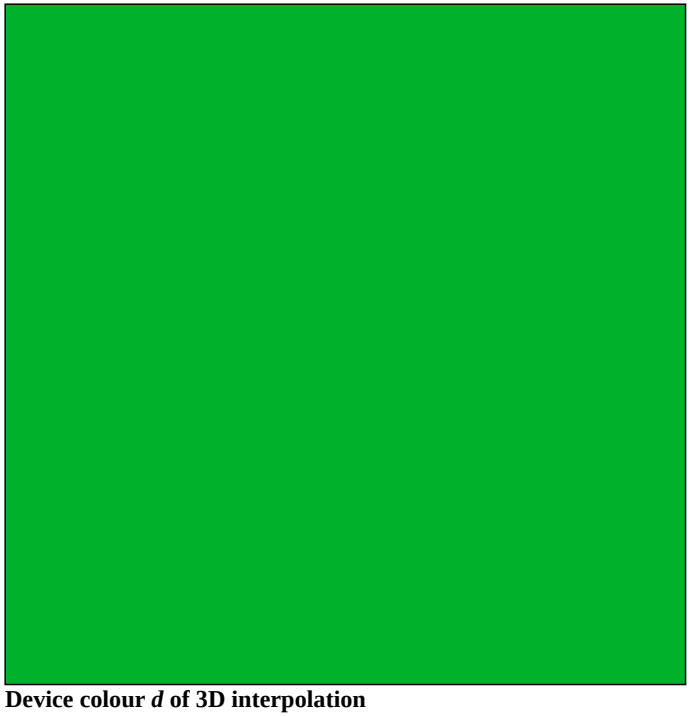
3 Colours no. *j*=46

output of the device colour *d*:

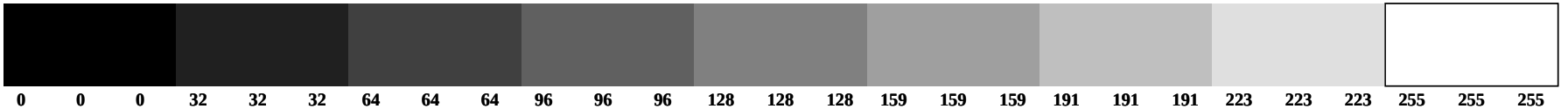
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.125	0.162	0.625	0.0	0.0	0.696	0.173
$olv^*_{Fa,\ 8bit}$	0	159	32	41	159	0	0	178	44
L^*, C^*_{ab}, h_{ab}	55.6	67.6	140.7	59.8	71.5	144.2	63.9	70.3	139.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−in:	8.9	8.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
47	0.0	0.625	0.25	173.4	86.7	51.6	183.6	−51.4	−3.1	60.8	32.2	183.6	−32.1	−1.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
47	0.0	0.625	0.25	173.4	84.5	117.5	157.6	−108.544.9		59.4	73.4	157.6	−67.8	28.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.625	g19b	l94c		0.0	1.0	0.939	0.0	0.625	0.587
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.625	j92g	l39c		0.067	1.0	0.0	0.042	0.625	0.0

3 Colours no. *j*=47

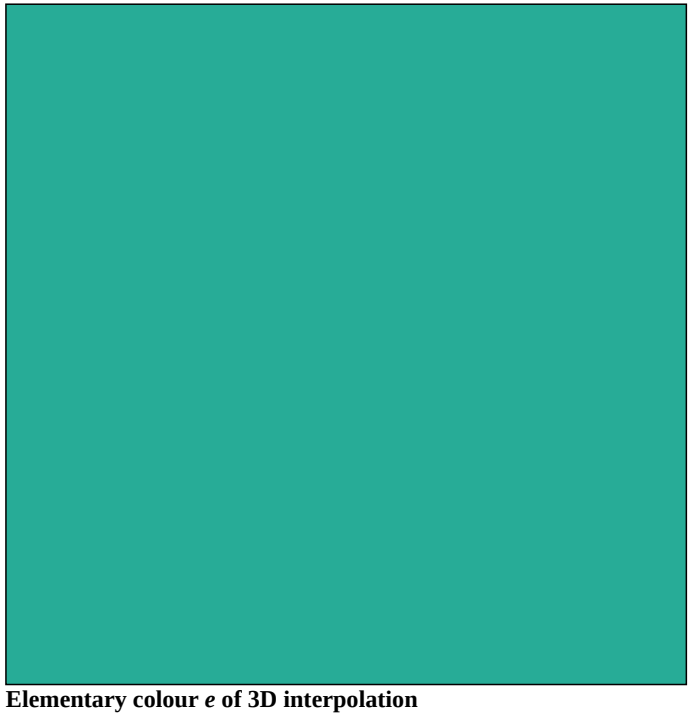
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.25	0.0	0.625	0.587	0.153	0.675	0.591
$rgb^*_{Fa,\ 8bit}$	0	159	64	0	159	150	39	172	151
L^*, C^*_{ab}, h_{ab}	56.0	53.9	151.2	60.8	32.2	183.6	64.4	31.2	178.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	32.1	32.1	3D−it:	4.8	4.8

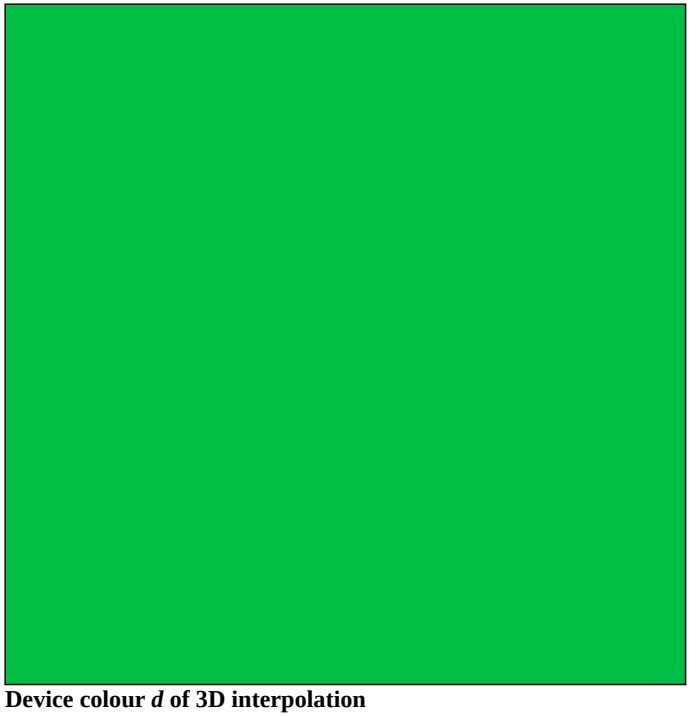
3 Colours no. *j*=47

output of the device colour *d*:

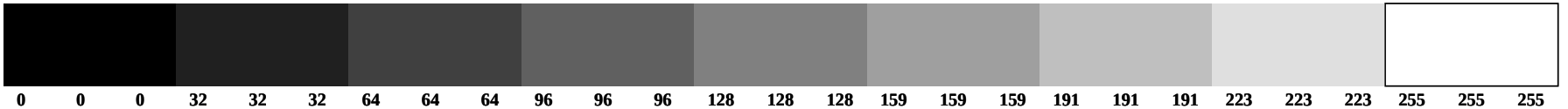
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.25	0.042	0.625	0.0	0.0	0.749	0.271
$olv^*_{Fa,\ 8bit}$	0	159	64	11	159	0	0	191	69
L^*, C^*_{ab}, h_{ab}	56.0	53.9	151.2	59.4	73.4	157.6	73.5	65.8	144.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.1	21.1	3D−in:	22.4	22.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
48	0.0	0.625	0.375	186.6	87.3	46.8	195.6	−45.0	−12.5	61.2	29.3	195.6	−28.1	−7.8
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
48	0.0	0.625	0.375	186.6	84.5	108.0	171.7	−106.8	15.7	59.4	67.5	171.7	−66.7	9.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.625	g30b	l99c		0.0	1.0	0.995	0.0	0.625	0.622
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.625	g08b	l61c		0.0	1.0	0.172	0.0	0.625	0.108

3 Colours no. *j*=48

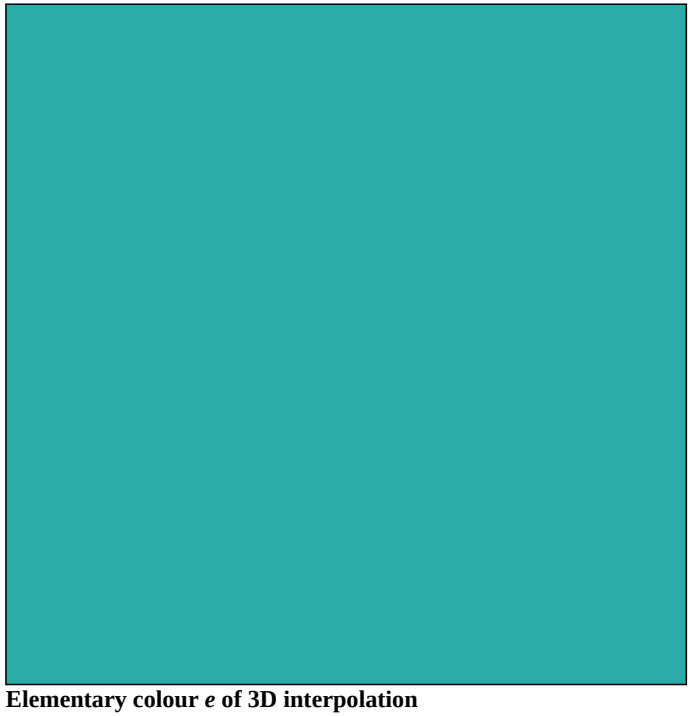
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.375	0.0	0.625	0.622	0.169	0.674	0.658
$rgb^*_{Fa,\ 8bit}$	0	159	96	0	159	159	43	172	168
L^*, C^*_{ab}, h_{ab}	56.3	43.7	163.2	61.2	29.3	195.6	64.6	27.9	191.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.1	25.1	3D−it:	4.2	4.2	

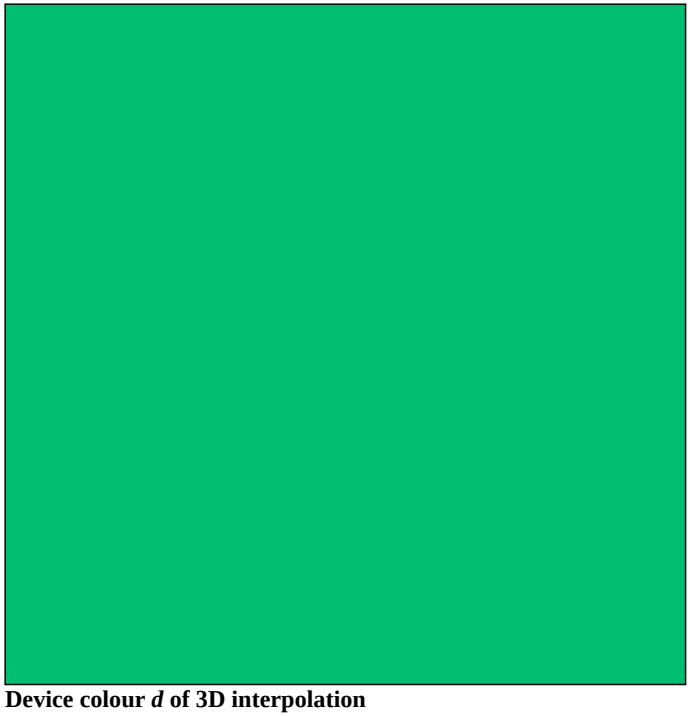
3 Colours no. *j*=48

output of the device colour *d*:

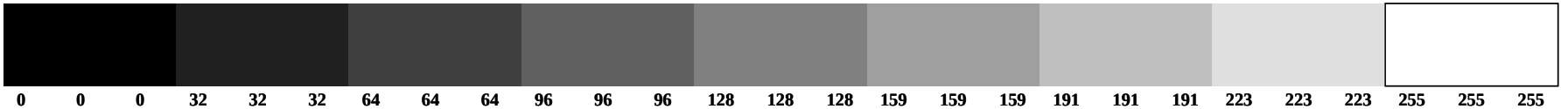
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.375	0.0	0.625	0.108	0.0	0.749	0.441
$olv^*_{Fa,\ 8bit}$	0	159	96	0	159	27	0	191	112
L^*, C^*_{ab}, h_{ab}	56.3	43.7	163.2	59.4	67.5	171.7	80.1	57.7	148.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.3	25.3	3D−in:	30.6	30.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
49	0.0	0.625	0.5	199.1	83.8	45.0	207.0	−40.0	−20.4	59.0	28.1	207.0	−24.9	−12.7	0.375	0.625	g40b	c04v		0.0	0.962	1.0	0.0	0.601	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
49	0.0	0.625	0.5	199.1	84.9	87.8	185.1	−87.4	−7.6	59.7	54.9	185.1	−54.6	−4.7	0.375	0.625	g20b	l82c		0.0	1.0	0.417	0.0	0.625	0.261

3 Colours no. *j*=49

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.625	0.5	0.0	0.601	0.625	0.149	0.638	0.673
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	159	128	0	153	159	38	163	172
L^*, C^*_{ab}, h_{ab}	56.8	35.8	179.8	59.0	28.1	207.0	60.2	24.9	203.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.9	16.9	3D−it:	3.8	3.8	

3 Colours no. *j*=49

output of the device colour *d*:

rgb input (in):									
	0.0	0.625	0.5	0.0	0.625	0.261	0.0	0.749	0.624
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	159	128	0	159	66	0	191	159
L^*, C^*_{ab}, h_{ab}	56.8	35.8	179.8	59.7	54.9	185.1	74.5	40.5	173.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.8	19.8	3D−in:	18.8	18.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
50	0.0	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	56.8	27.3	217.0	−21.7	−16.3	0.375	0.625	g50b	c08v		0.0	0.925	1.0	0.0	0.578	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
50	0.0	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	59.9	45.5	196.7	−43.5	−13.0	0.375	0.625	g31b	c00v		0.0	1.0	0.63	0.0	0.625	0.394

3 Colours no. *j*=50

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.625	0.0	0.578	0.625	0.14	0.6	0.674
$rgb^*_{Fa,\ 8bit}$	0	159	159	0	147	159	36	153	172
L^*, C^*_{ab}, h_{ab}	57.3	31.6	200.1	56.8	27.3	217.0	58.4	24.0	209.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	4.9	4.9	

3 Colours no. *j*=50

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.625	0.0	0.625	0.394	0.0	0.75	0.75
$olv^*_{Fa,\ 8bit}$	0	159	159	0	159	100	0	191	191
L^*, C^*_{ab}, h_{ab}	57.3	31.6	200.1	59.9	45.5	196.7	65.1	36.2	196.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.3	14.3	3D−in:	9.3	9.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
51	0.0	0.625	0.75	219.0	77.5	42.5	225.2	−29.9	−30.0	62.5	31.9	225.2	−22.4	−22.5	0.25	0.75	g57b	c11v		0.0	0.895	1.0	0.0	0.671	0.75
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
51	0.0	0.625	0.75	219.0	86.5	53.0	212.7	−44.5	−28.5	69.3	39.7	212.7	−33.3	−21.4	0.25	0.75	g45b	c15v		0.0	1.0	0.922	0.0	0.75	0.692

3 Colours no. *j*=51

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.75	0.0	0.671	0.75	0.122	0.689	0.829
$rgb^*_{Fa,\ 8bit}$	0	159	191	0	171	191	31	176	211
L^*, C^*_{ab}, h_{ab}	57.9	31.7	223.3	62.5	31.9	225.2	67.0	29.4	223.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−it:	5.3	5.3	

3 Colours no. *j*=51

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.75	0.0	0.75	0.692	0.0	0.805	0.898
$olv^*_{Fa,\ 8bit}$	0	159	191	0	191	176	0	205	229
L^*, C^*_{ab}, h_{ab}	57.9	31.7	223.3	69.3	39.7	212.7	72.8	34.7	217.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.4	15.4	3D−in:	15.6	15.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
52	0.0	0.625	0.875	226.1	75.3	42.0	231.7	−26.0	−32.9	68.1	36.8	231.7	−22.7	−28.7	0.125	0.875	g63b	c13v		0.0	0.869	1.0	0.0	0.76	0.875
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
52	0.0	0.625	0.875	226.1	73.7	43.0	225.5	−30.1	−30.6	66.7	37.7	225.5	−26.3	−26.8	0.125	0.875	g58b	c27v		0.0	0.844	1.0	0.0	0.738	0.875

3 Colours no. j=52

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.875	0.0	0.76	0.875	0.067	0.768	0.924
$rgb^*_{Fa,\ 8bit}$	0	159	223	0	194	223	17	196	236
L^*, C^*_{ab}, h_{ab}	58.8	36.9	245.5	68.1	36.8	231.7	76.0	33.0	231.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−it:	8.8	8.8	

3 Colours no. j=52

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.875	0.0	0.738	0.875	0.0	0.759	0.904
$olv^*_{Fa,\ 8bit}$	0	159	223	0	188	223	0	194	231
L^*, C^*_{ab}, h_{ab}	58.8	36.9	245.5	66.7	37.7	225.5	67.5	33.4	221.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.2	15.2	3D−in:	17.5	17.5	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
53	0.0	0.625	1.0	231.8	73.6	43.1	236.9	−23.5	−36.0	73.6	43.1	236.9	−23.5	−36.0	0.0	1.0	g68b	c16v		0.0	0.842	1.0	0.0	0.842	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
53	0.0	0.625	1.0	231.8	62.8	53.7	235.7	−30.2	−44.3	62.8	53.7	235.7	−30.2	−44.3	0.0	1.0	g67b	c36v		0.0	0.658	1.0	0.0	0.658	1.0

3 Colours no. *j*=53

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.625	1.0	0.0	0.842	1.0	0.0	0.843	1.0
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	159	255	0	215	255	0	215	255
L^*, C^*_{ab}, h_{ab}	61.0	56.2	270.7	73.6	43.1	236.9	76.0	38.6	235.3
$\Delta E^*_{ab}, \Delta\overline{E^*_m}$			it−in:	33.9	33.9	3D−it:	5.3	5.3	

3 Colours no. *j*=53

output of the device colour *d*:

rgb input (in):									
	0.0	0.625	1.0	0.0	0.658	1.0	0.0	0.749	0.956
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	159	255	0	168	255	0	191	244
L^*, C^*_{ab}, h_{ab}	61.0	56.2	270.7	62.8	53.7	235.7	77.4	34.1	239.3
$\Delta E^*_{ab}, \Delta\overline{E^*_m}$			it−in:	33.2	33.2	3D−in:	36.3	36.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
54	0.0	0.75	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	68.7	47.6	162.2	−45.3	14.5	0.25	0.75	j99g	l77c		0.0	1.0	0.774	0.0	0.75	0.581
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
54	0.0	0.75	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	68.9	83.1	132.5	−56.0	61.3	0.25	0.75	j57g	y100l		0.425	1.0	0.0	0.319	0.75	0.0

3 Colours no. *j*=54

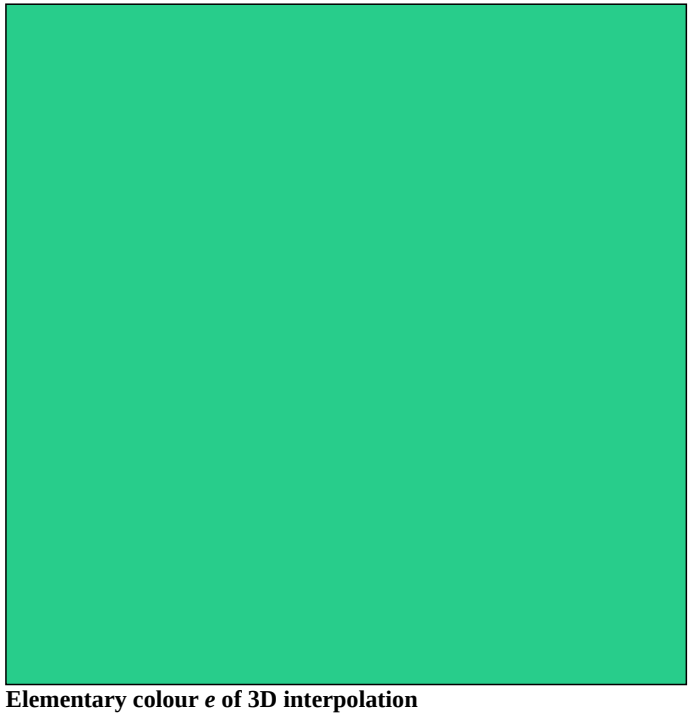
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.75	0.0	0.0	0.75	0.581	0.155	0.805	0.546
$rgb^*_{Fa,\ 8bit}$	0	191	0	0	191	148	39	205	139
L^*, C^*_{ab}, h_{ab}	63.2	87.2	135.2	68.7	47.6	162.2	73.4	43.5	160.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	50.1	50.1	3D−it:	6.4	6.4

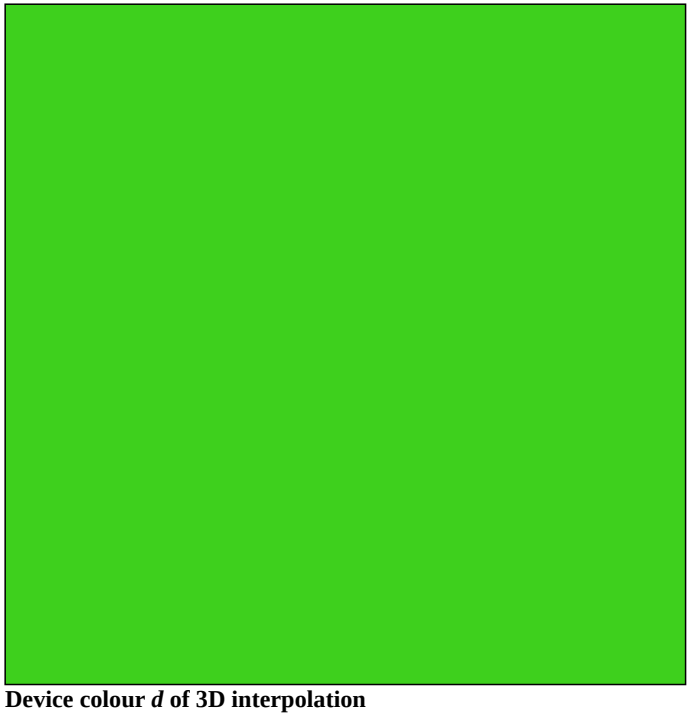
3 Colours no. *j*=54

output of the device colour *d*:

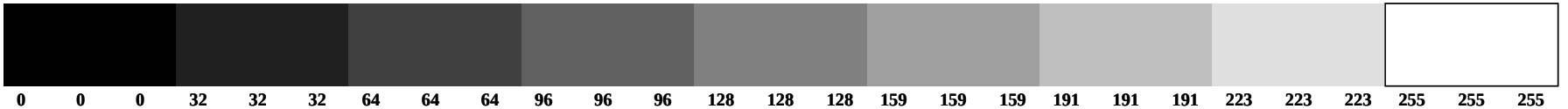
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.75	0.0	0.319	0.75	0.0	0.244	0.815	0.115
$olv^*_{Fa,\ 8bit}$	0	191	0	81	191	0	62	208	29
L^*, C^*_{ab}, h_{ab}	63.2	87.2	135.2	68.9	83.1	132.5	73.9	86.0	128.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.1	8.1	3D−in:	14.6	14.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
55	0.0	0.75	0.125	158.9	86.1	56.7	170.4	−55.8	9.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
55	0.0	0.75	0.125	158.9	85.2	113.8	142.1	−89.7	70.0

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
69.0	42.6	170.4	−41.9	7.1	0.25	0.75	g07b	l88c		0.0	1.0	0.877	0.0	0.75	0.658
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
68.3	85.4	142.1	−67.2	52.5	0.25	0.75	j70g	l15c		0.288	1.0	0.0	0.216	0.75	0.0

3 Colours no. *j*=55

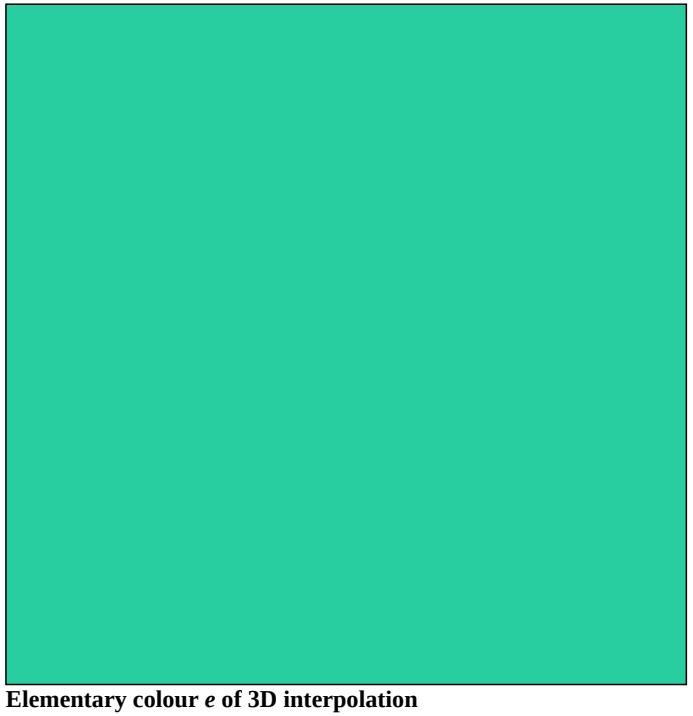
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.75	0.125	0.0	0.75	0.658	0.157	0.805	0.629
$rgb^*_{Fa,\ 8bit}$	0	191	32	0	191	168	40	205	160
L^*, C^*_{ab}, h_{ab}	63.3	80.2	138.6	69.0	42.6	170.4	74.5	41.3	166.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	49.7	49.7	3D−it:	6.2	6.2	

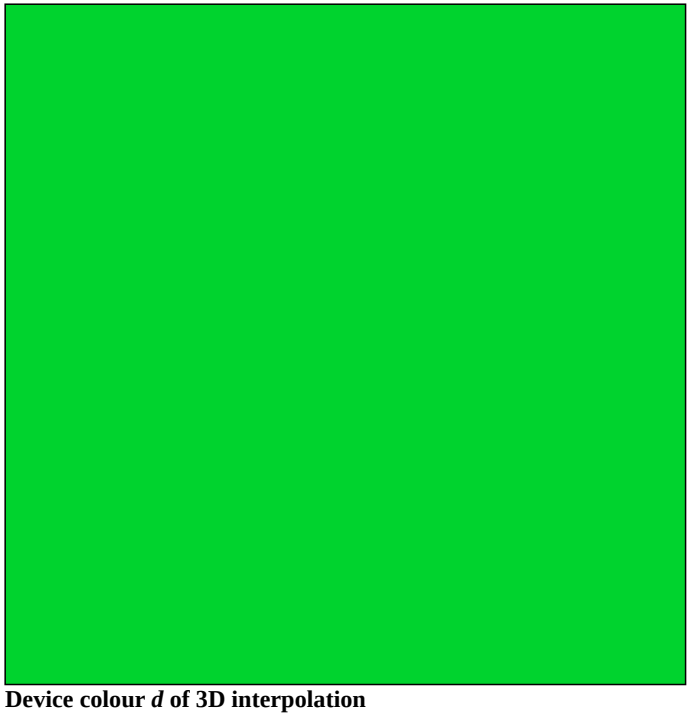
3 Colours no. *j*=55

output of the device colour *d*:

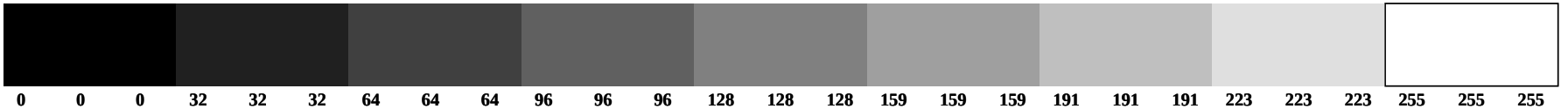
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.75	0.125	0.216	0.75	0.0	0.0	0.828	0.182
$olv^*_{Fa,\ 8bit}$	0	191	32	55	191	0	0	211	46
L^*, C^*_{ab}, h_{ab}	63.3	80.2	138.6	68.3	85.4	142.1	72.5	83.2	138.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−in:	9.7	9.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
56	0.0	0.75	0.25	169.1	86.5	53.1	179.7	−53.0	0.3	69.3	39.8	179.7	−39.7	0.2	0.25	0.75	g16b	l92c		0.0	1.0	0.921	0.0	0.75	0.69
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
56	0.0	0.75	0.25	169.1	84.6	116.8	152.9	−103.9	53.1	67.8	87.6	152.9	−77.9	39.9	0.25	0.75	j86g	l32c		0.133	1.0	0.0	0.1	0.75	0.0

3 Colours no. *j*=56

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.75	0.25	0.0	0.75	0.69	0.132	0.808	0.709
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	191	64	0	191	176	34	206	181
L^*, C^*_{ab}, h_{ab}	63.5	66.9	146.4	69.3	39.8	179.7	73.6	38.4	177.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	40.5	40.5	3D−it:	4.7	4.7

3 Colours no. *j*=56

output of the device colour *d*:

rgb input (in):									
	0.0	0.75	0.25	0.1	0.75	0.0	0.0	0.875	0.251
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	191	64	25	191	0	0	223	64
L^*, C^*_{ab}, h_{ab}	63.5	66.9	146.4	67.8	87.6	152.9	72.5	79.9	141.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	22.8	22.8	3D−in:	17.0	17.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
57	0.0	0.75	0.375	180.0	87.0	49.2	189.6	−48.4	−8.1	69.7	36.9	189.6	−36.3	−6.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
57	0.0	0.75	0.375	180.0	84.4	116.1	164.6	−111.8	30.8	67.7	87.1	164.6	−83.8	23.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.75	g25b	l97c		0.0	1.0	0.967	0.0	0.75	0.725
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.75	g02b	l50c		0.0	1.0	0.043	0.0	0.75	0.033

3 Colours no. *j*=57

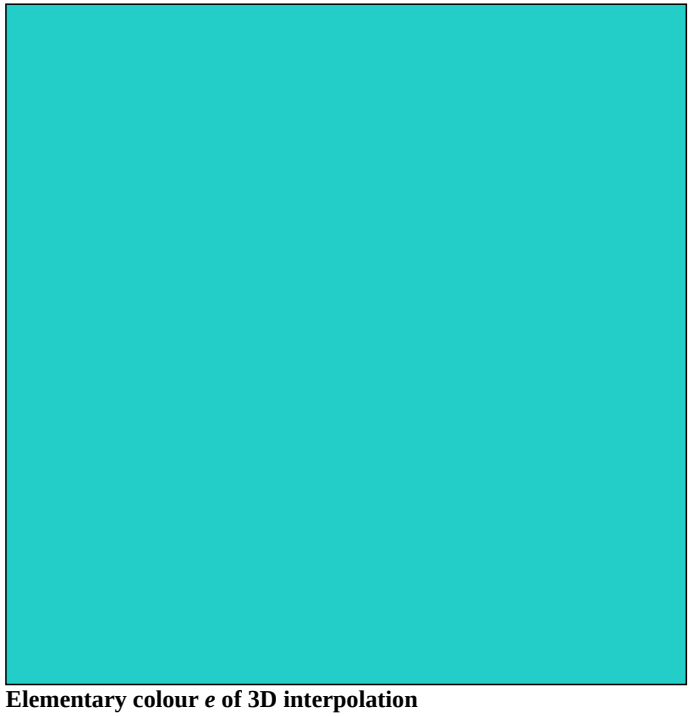
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.75	0.375	0.0	0.75	0.725	0.133	0.808	0.78
$rgb^*_{Fa,\ 8bit}$	0	191	96	0	191	185	34	206	199
L^*, C^*_{ab}, h_{ab}	63.8	56.5	154.9	69.7	36.9	189.6	75.1	35.0	188.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	34.0	34.0	3D−it:	5.8	5.8

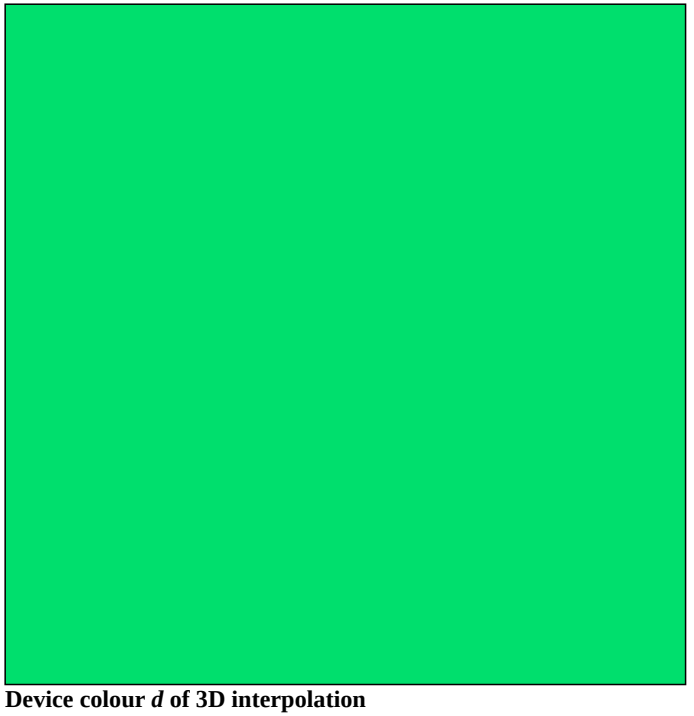
3 Colours no. *j*=57

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.75	0.375	0.0	0.75	0.033	0.0	0.875	0.427
$olv^*_{Fa,\ 8bit}$	0	191	96	0	191	8	0	223	109
L^*, C^*_{ab}, h_{ab}	63.8	56.5	154.9	67.7	87.1	164.6	86.3	74.0	142.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	33.0	33.0	3D−in:	31.9	31.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
58	0.0	0.75	0.5	190.9	86.3	46.0	199.5	−43.3	−15.3	69.2	34.5	199.5	−32.4	−11.4	0.25	0.75	g33b	c01v		0.0	0.989	1.0	0.0	0.742	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
58	0.0	0.75	0.5	190.9	84.6	100.4	176.3	−100.16.6		67.9	75.3	176.3	−75.0	4.9	0.25	0.75	g13b	l68c		0.0	1.0	0.256	0.0	0.75	0.192

3 Colours no. *j*=58

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.75	0.5	0.0	0.742	0.75	0.145	0.796	0.825
$rgb^*_{Fa,\ 8bit}$	0	191	128	0	189	191	37	203	210
L^*, C^*_{ab}, h_{ab}	64.2	47.4	165.7	69.2	34.5	199.5	72.8	33.7	196.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	27.3	27.3	3D−it:	4.2	4.2	

3 Colours no. *j*=58

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.75	0.5	0.0	0.75	0.192	0.0	0.875	0.619
$olv^*_{Fa,\ 8bit}$	0	191	128	0	191	49	0	223	158
L^*, C^*_{ab}, h_{ab}	64.2	47.4	165.7	67.9	75.3	176.3	86.9	56.7	154.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	30.2	30.2	3D−in:	26.4	26.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
59	0.0	0.75	0.625	201.1	83.1	44.7	208.8	−39.1	−21.5	66.8	33.6	208.8	−29.3	−16.1	0.25	0.75	g42b	c04v		0.0	0.955	1.0	0.0	0.716	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
59	0.0	0.75	0.625	201.1	84.9	85.0	187.1	−84.2	−10.4	68.1	63.7	187.1	−63.1	−7.8	0.25	0.75	g22b	l85c		0.0	1.0	0.455	0.0	0.75	0.341

3 Colours no. *j*=59

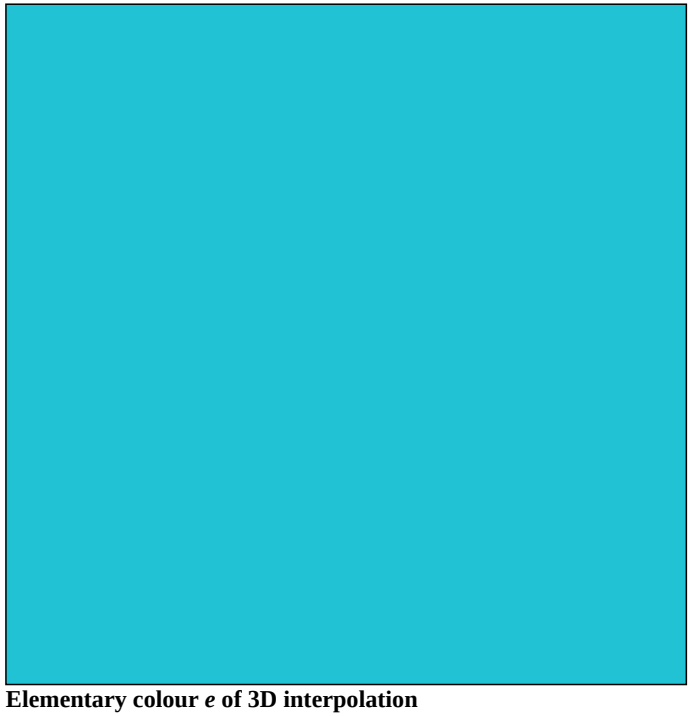
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.75	0.625	0.0	0.716	0.75	0.125	0.761	0.833
$rgb^*_{Fa,\ 8bit}$	0	191	159	0	183	191	32	194	212
L^*, C^*_{ab}, h_{ab}	64.6	40.6	179.0	66.8	33.6	208.8	67.3	28.1	202.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	20.3	20.3	3D−it:	6.4	6.4

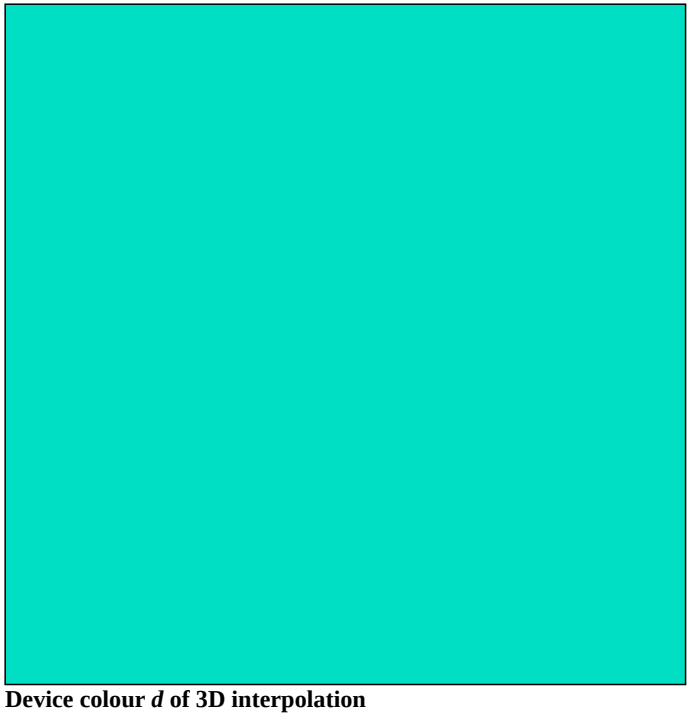
3 Colours no. *j*=59

output of the device colour *d*:

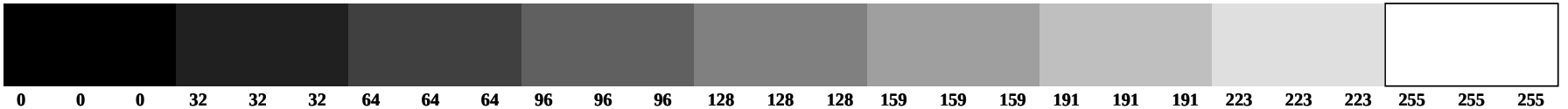
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.75	0.625	0.0	0.75	0.341	0.0	0.875	0.764
$olv^*_{Fa,\ 8bit}$	0	191	159	0	191	87	0	223	195
L^*, C^*_{ab}, h_{ab}	64.6	40.6	179.0	68.1	63.7	187.1	87.4	48.2	165.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	24.5	24.5	3D−in:	26.2	26.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
60	0.0	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	64.7	32.7	217.0	−26.0	−19.6	0.25	0.75	g50b	c08v		0.0	0.925	1.0	0.0	0.694	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
60	0.0	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	68.4	54.6	196.7	−52.2	−15.6	0.25	0.75	g31b	c00v		0.0	1.0	0.63	0.0	0.75	0.472

3 Colours no. *j*=60

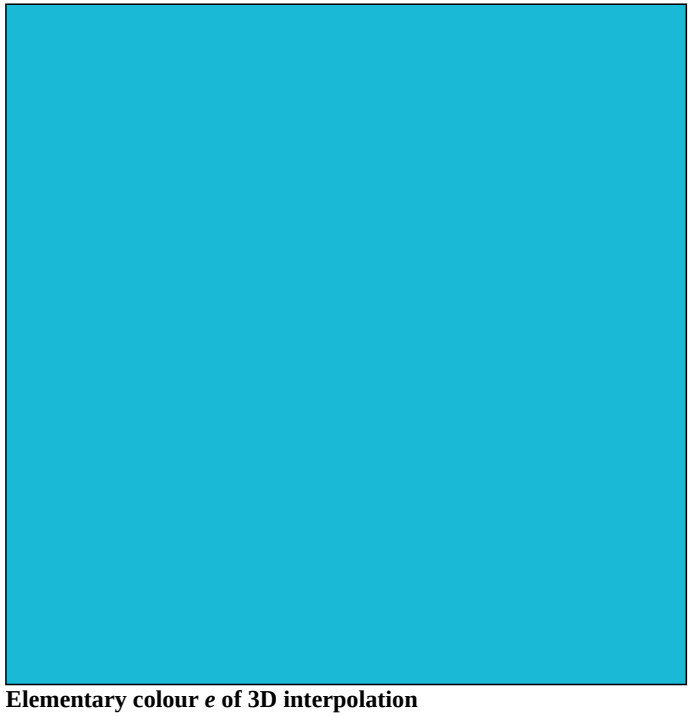
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.75	0.75	0.0	0.694	0.75	0.103	0.726	0.834
$rgb^*_{Fa,\ 8bit}$	0	191	191	0	177	191	26	185	213
L^*, C^*_{ab}, h_{ab}	65.1	36.2	196.3	64.7	32.7	217.0	66.2	31.5	214.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.9	12.9	3D−it:	2.4	2.4

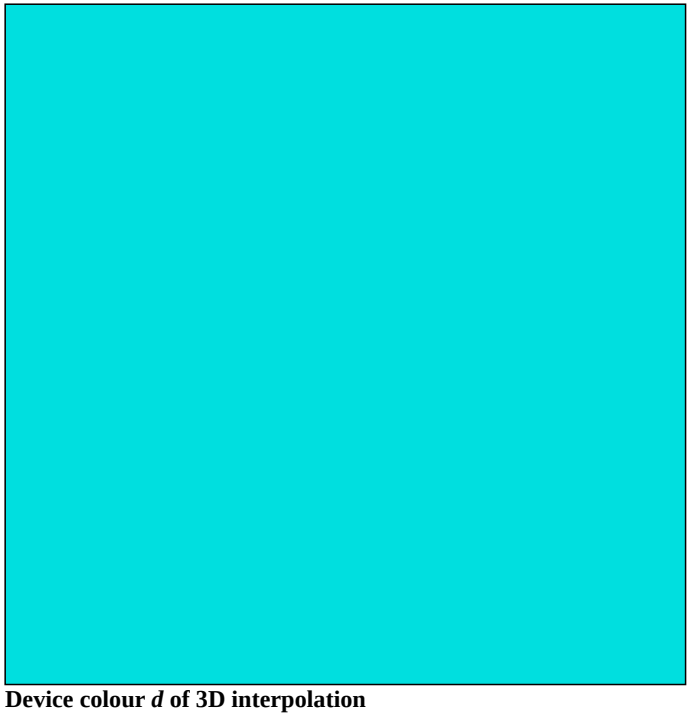
3 Colours no. *j*=60

output of the device colour *d*:

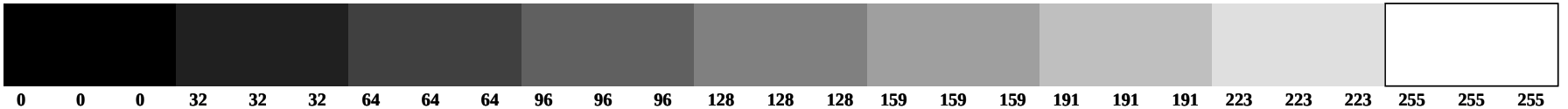
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.75	0.75	0.0	0.75	0.472	0.0	0.875	0.875
$olv^*_{Fa,\ 8bit}$	0	191	191	0	191	120	0	223	223
L^*, C^*_{ab}, h_{ab}	65.1	36.2	196.3	68.4	54.6	196.7	74.4	39.4	192.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	18.7	18.7	3D−in:	10.2	10.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
61	0.0	0.75	0.875	217.6	77.9	42.7	223.9	−30.6	−29.5	70.4	37.3	223.9	−26.8	−25.8	0.125	0.875	g56b	c10v		0.0	0.899	1.0	0.0	0.787	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
61	0.0	0.75	0.875	217.6	86.1	56.7	210.3	−48.9	−28.5	77.5	49.6	210.3	−42.7	−24.9	0.125	0.875	g43b	c13v		0.0	1.0	0.878	0.0	0.875	0.768

3 Colours no. *j*=61

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.75	0.875	0.0	0.787	0.875	0.023	0.806	0.928
$rgb^*_{Fa,\ 8bit}$	0	191	223	0	201	223	6	206	237
L^*, C^*_{ab}, h_{ab}	65.9	35.4	218.5	70.4	37.3	223.9	73.8	29.4	223.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	8.7	8.7	

3 Colours no. *j*=61

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.75	0.875	0.0	0.875	0.768	0.0	0.914	0.98
$olv^*_{Fa,\ 8bit}$	0	191	223	0	223	196	0	233	250
L^*, C^*_{ab}, h_{ab}	65.9	35.4	218.5	77.5	49.6	210.3	89.4	32.6	197.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.4	19.4	3D−in:	26.6	26.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
62	0.0	0.75	1.0	223.9	76.0	41.9	229.7	−27.0	−31.8	76.0	41.9	229.7	−27.0	−31.8	0.0	1.0	g61b	c12v		0.0	0.878	1.0	0.0	0.878	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
62	0.0	0.75	1.0	223.9	79.5	43.3	221.6	−32.3	−28.6	79.5	43.3	221.6	−32.3	−28.6	0.0	1.0	g54b	c23v		0.0	0.916	1.0	0.0	0.916	1.0

3 Colours no. *j*=62

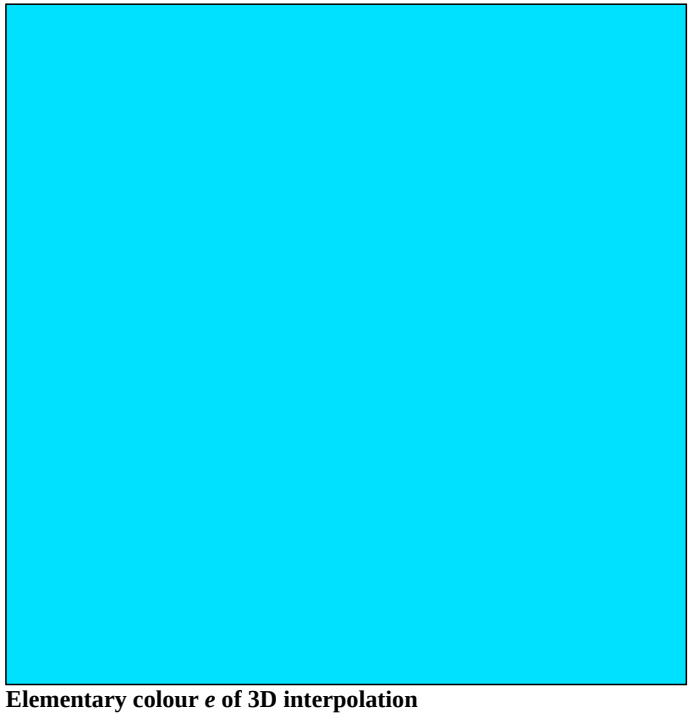
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.75	1.0	0.0	0.878	1.0	0.0	0.878	1.0
$rgb^*_{Fa,\ 8bit}$	0	191	255	0	224	255	0	224	255
L^*, C^*_{ab}, h_{ab}	67.8	46.9	254.3	76.0	41.9	229.7	76.2	41.3	230.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	21.2	21.2	3D−it:	0.7	0.7	

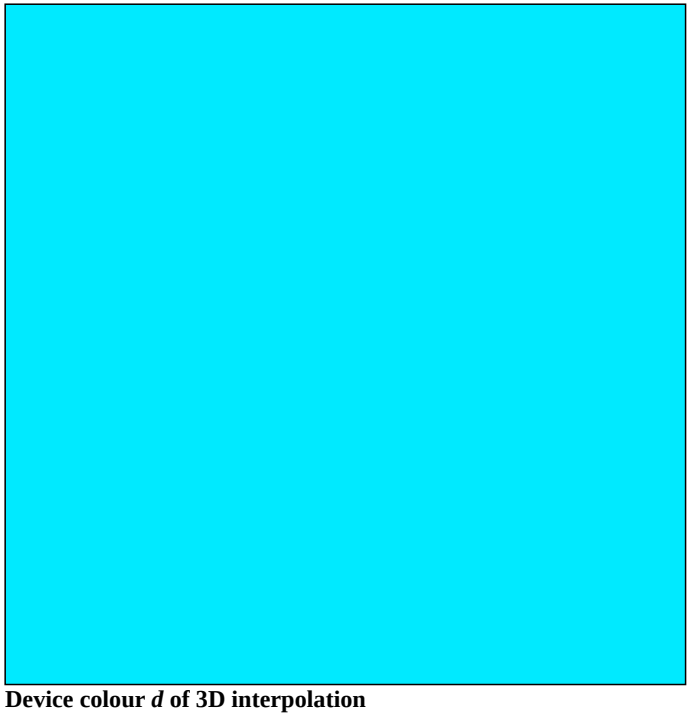
3 Colours no. *j*=62

output of the device colour *d*:

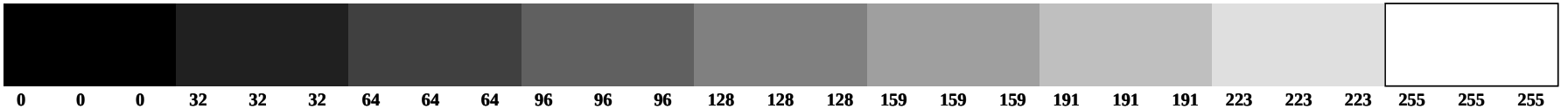
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.75	1.0	0.0	0.916	1.0	0.0	0.916	1.0
$olv^*_{Fa,\ 8bit}$	0	191	255	0	234	255	0	234	255
L^*, C^*_{ab}, h_{ab}	67.8	46.9	254.3	79.5	43.3	221.6	83.0	36.0	225.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	28.2	28.2	3D−in:	27.7	27.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

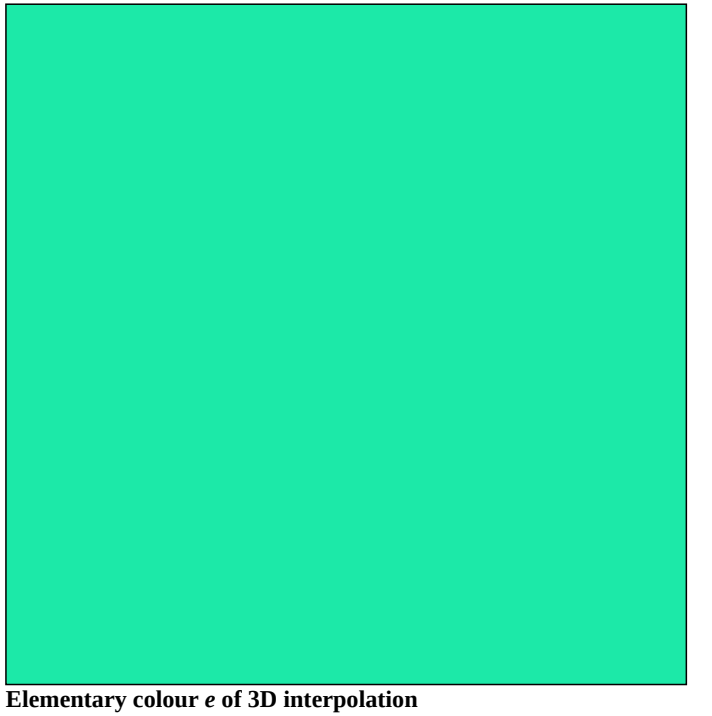
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
63	0.0	0.875	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	77.2	55.6	162.2	−52.8	17.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
63	0.0	0.875	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	77.5	96.9	132.5	−65.4	71.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.875	j99g	l77c		0.0	1.0	0.774	0.0	0.875	0.677
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.875	j57g	y100l		0.425	1.0	0.0	0.372	0.875	0.0

3 Colours no. *j*=63

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.875	0.0	0.0	0.875	0.677	0.111	0.913	0.659
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	223	0	0	223	173	28	233	168
L^*, C^*_{ab}, h_{ab}	71.9	100.2	134.0	77.2	55.6	162.2	81.0	53.4	158.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	57.8	57.8	3D−it:	5.6	5.6

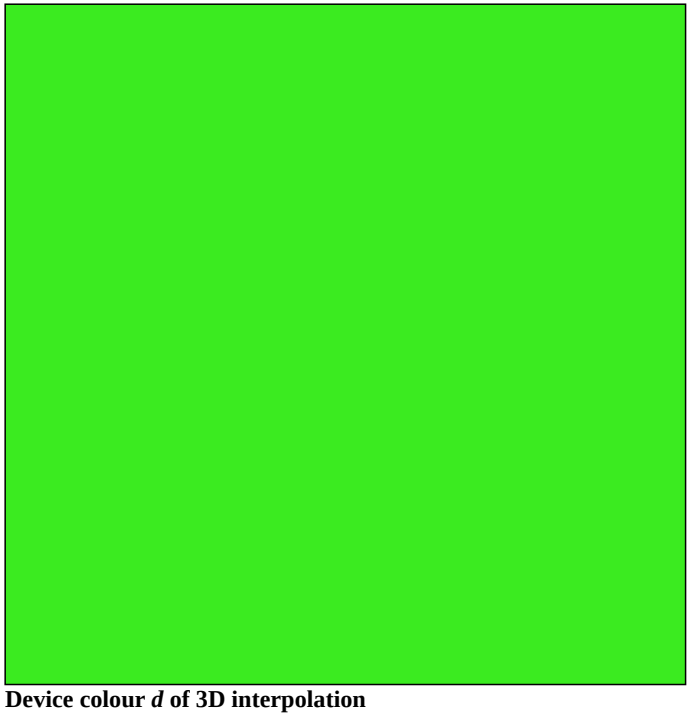


Elementary colour *e* of 3D interpolation

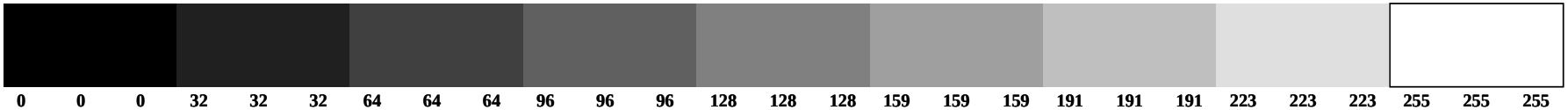
3 Colours no. *j*=63

output of the device colour *d*:

rgb input (in):									
	0.0	0.875	0.0	0.372	0.875	0.0	0.233	0.922	0.125
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	223	0	95	223	0	60	235	32
L^*, C^*_{ab}, h_{ab}	71.9	100.2	134.0	77.5	96.9	132.5	81.9	97.8	128.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.0	7.0	3D−in:	14.6	14.6



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
64	0.0	0.875	0.125	157.6	86.0	57.6	169.1	−56.4	10.8	77.5	50.4	169.1	−49.4	9.5
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
64	0.0	0.875	0.125	157.6	85.3	113.4	140.6	−87.5	71.9	76.9	99.2	140.6	−76.6	62.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.875	g06b	l87c		0.0	1.0	0.866	0.0	0.875	0.757
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.875	j68g	l13c		0.309	1.0	0.0	0.27	0.875	0.0

3 Colours no. *j*=64

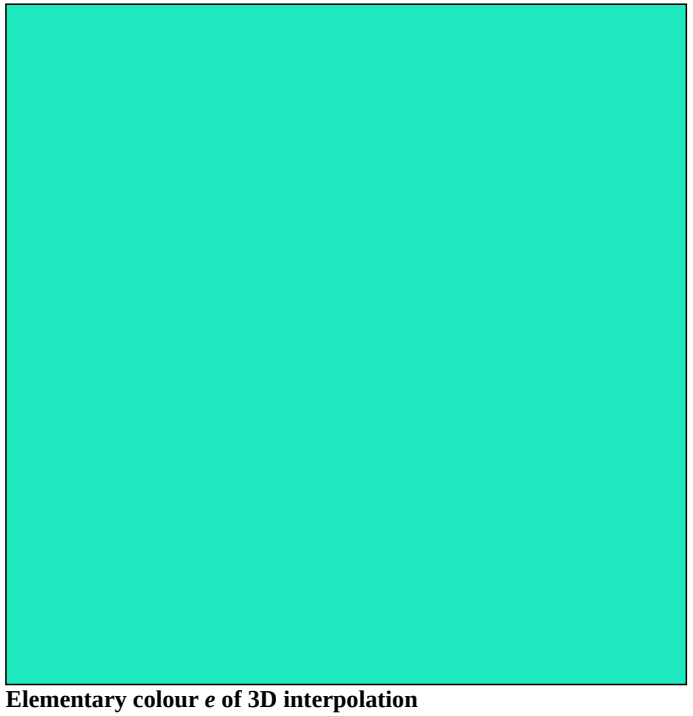
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.125	0.0	0.875	0.757	0.125	0.913	0.748
$rgb^*_{Fa,\ 8bit}$	0	223	32	0	223	193	32	233	191
L^*, C^*_{ab}, h_{ab}	72.0	93.8	136.6	77.5	50.4	169.1	80.9	47.8	161.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	58.3	58.3	3D−it:	8.2	8.2	

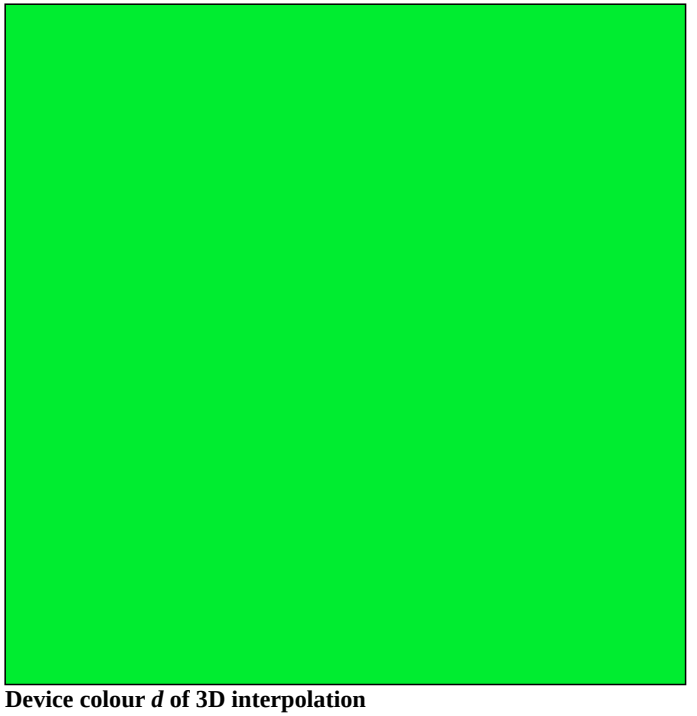
3 Colours no. *j*=64

output of the device colour *d*:

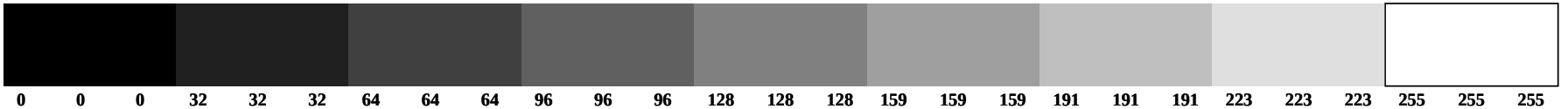
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.125	0.27	0.875	0.0	0.0	0.93	0.189
$olv^*_{Fa,\ 8bit}$	0	223	32	69	223	0	0	237	48
L^*, C^*_{ab}, h_{ab}	72.0	93.8	136.6	76.9	99.2	140.6	85.3	97.2	135.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	13.8	13.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
65	0.0	0.875	0.25	166.1	86.4	54.2	176.9	−54.0	2.9	77.8	47.4	176.9	−47.2	2.5	0.125	0.875	g13b	l91c		0.0	1.0	0.908	0.0	0.875	0.794
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
65	0.0	0.875	0.25	166.1	84.7	116.0	149.7	−100.0	58.5	76.4	101.5	149.7	−87.5	51.2	0.125	0.875	j81g	l27c		0.179	1.0	0.0	0.156	0.875	0.0

3 Colours no. *j*=65

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.25	0.0	0.875	0.794	0.042	0.915	0.82
$rgb^*_{Fa,\ 8bit}$	0	223	64	0	223	203	11	233	209
L^*, C^*_{ab}, h_{ab}	72.2	81.3	142.6	77.8	47.4	176.9	81.8	44.8	175.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	50.2	50.2	3D−it:	4.9	4.9	

3 Colours no. *j*=65

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.25	0.156	0.875	0.0	0.0	1.0	0.376
$olv^*_{Fa,\ 8bit}$	0	223	64	40	223	0	0	255	96
L^*, C^*_{ab}, h_{ab}	72.2	81.3	142.6	76.4	101.5	149.7	84.8	99.7	137.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.5	23.5	3D−in:	23.5	23.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
66	0.0	0.875	0.375	175.3	86.8	50.9	185.3	−50.6	−4.6	78.1	44.5	185.3	−44.2	−4.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
66	0.0	0.875	0.375	175.3	84.4	117.7	159.6	−110.241.1		76.1	103.0	159.6	−96.4	36.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.875	g21b	l95c		0.0	1.0	0.947	0.0	0.875	0.829
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.875	j95g	l42c		0.038	1.0	0.0	0.033	0.875	0.0

3 Colours no. *j*=66

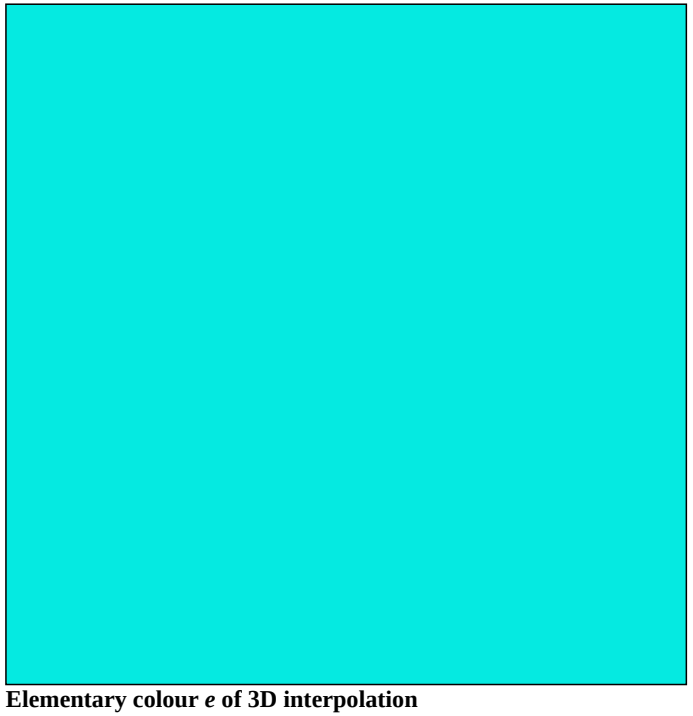
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.375	0.0	0.875	0.829	0.019	0.916	0.882
$rgb^*_{Fa,\ 8bit}$	0	223	96	0	223	211	5	233	225
L^*, C^*_{ab}, h_{ab}	72.4	70.9	148.9	78.1	44.5	185.3	81.9	38.5	179.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	44.3	44.3	3D−it:	8.1	8.1	

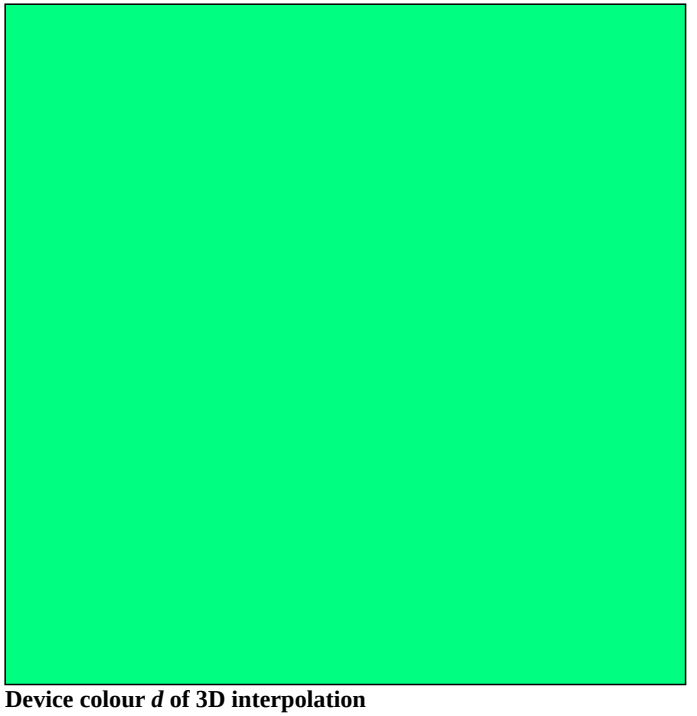
3 Colours no. *j*=66

output of the device colour *d*:

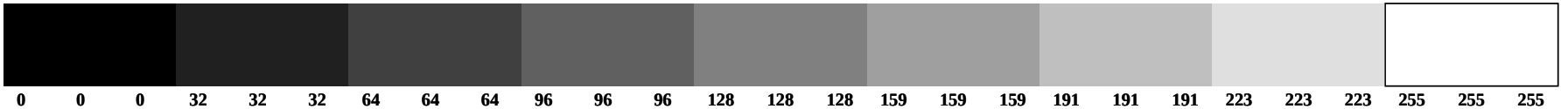
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.375	0.033	0.875	0.0	0.0	1.0	0.5
$olv^*_{Fa,\ 8bit}$	0	223	96	9	223	0	0	255	128
L^*, C^*_{ab}, h_{ab}	72.4	70.9	148.9	76.1	103.0	159.6	85.2	80.3	147.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.0	36.0	3D−in:	16.0	16.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
67	0.0	0.875	0.5	184.7	87.2	47.5	193.9	−46.0	−11.3	78.5	41.6	193.9	−40.2	−9.9	0.125	0.875	g28b	l99c		0.0	1.0	0.987	0.0	0.875	0.864
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
67	0.0	0.875	0.5	184.7	84.4	111.4	169.6	−109.5	20.0	76.1	97.5	169.6	−95.8	17.5	0.125	0.875	g07b	l58c		0.0	1.0	0.136	0.0	0.875	0.119

3 Colours no. *j*=67

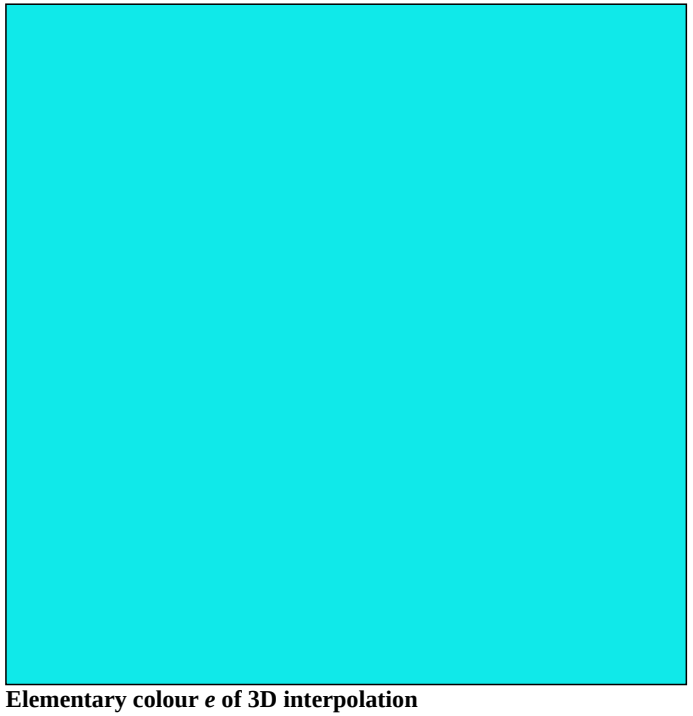
output of the elementary colour *e*:

rgb input (in):									
	0.0	0.875	0.5	0.0	0.875	0.864	0.061	0.914	0.914
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	223	128	0	223	220	15	233	233
L^*, C^*_{ab}, h_{ab}	72.7	61.5	156.2	78.5	41.6	193.9	82.6	39.4	192.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	38.7	38.7	3D−it:	4.8	4.8	

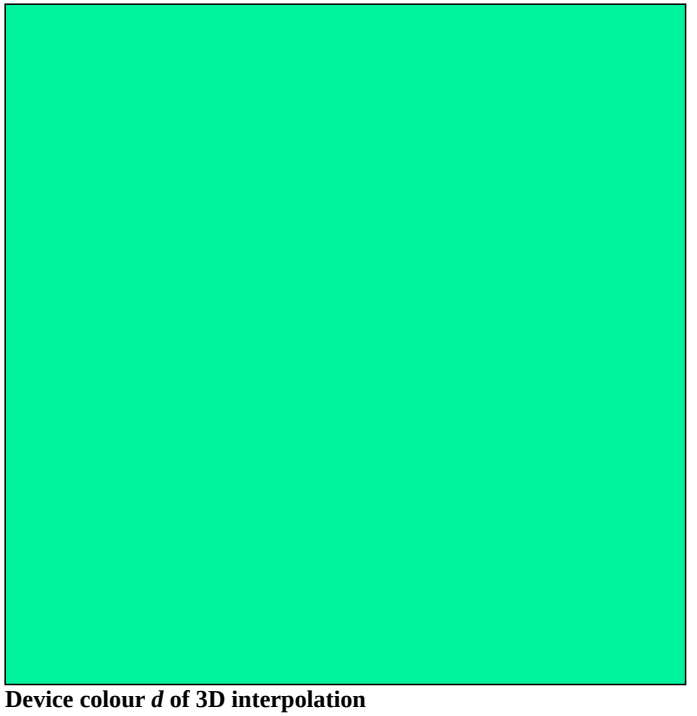
3 Colours no. *j*=67

output of the device colour *d*:

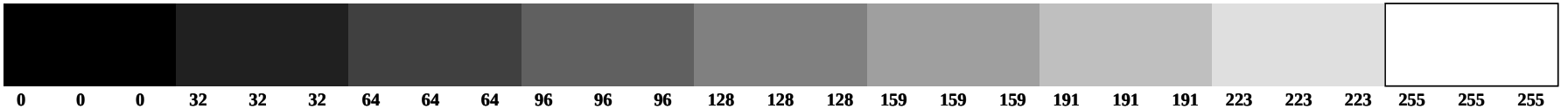
rgb input (in):									
	0.0	0.875	0.5	0.0	0.875	0.119	0.0	0.953	0.616
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	223	128	0	223	30	0	243	157
L^*, C^*_{ab}, h_{ab}	72.7	61.5	156.2	76.1	97.5	169.6	85.7	77.4	145.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	40.4	40.4	3D−in:	24.5	24.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
68	0.0	0.875	0.625	193.9	85.4	45.6	202.3	−42.1	−17.2	76.9	39.9	202.3	−36.8	−15.0	0.125	0.875	g36b	c02v		0.0	0.979	1.0	0.0	0.857	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
68	0.0	0.875	0.625	193.9	84.7	95.8	179.5	−95.6	0.9	76.3	83.8	179.5	−83.7	0.8	0.125	0.875	g15b	l73c		0.0	1.0	0.315	0.0	0.875	0.276

3 Colours no. *j*=68

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.625	0.0	0.857	0.875	0.036	0.897	0.927
$rgb^*_{Fa,\ 8bit}$	0	223	159	0	219	223	9	229	236
L^*, C^*_{ab}, h_{ab}	73.1	53.4	165.0	76.9	39.9	202.3	79.4	36.4	193.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	32.7	32.7	3D−it:	7.4	7.4

3 Colours no. *j*=68

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.625	0.0	0.875	0.276	0.0	0.947	0.749
$olv^*_{Fa,\ 8bit}$	0	223	159	0	223	70	0	241	191
L^*, C^*_{ab}, h_{ab}	73.1	53.4	165.0	76.3	83.8	179.5	86.3	60.4	157.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	34.9	34.9	3D−in:	16.6	16.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
69	0.0	0.875	0.75	202.4	82.7	44.6	210.1	−38.5	−22.2	74.6	39.0	210.1	−33.7	−19.4	0.125	0.875	g43b	c05v		0.0	0.951	1.0	0.0	0.832	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
69	0.0	0.875	0.75	202.4	85.0	83.0	188.6	−81.9	−12.3	76.6	72.6	188.6	−71.7	−10.7	0.125	0.875	g24b	l87c		0.0	1.0	0.481	0.0	0.875	0.421

3 Colours no. *j*=69

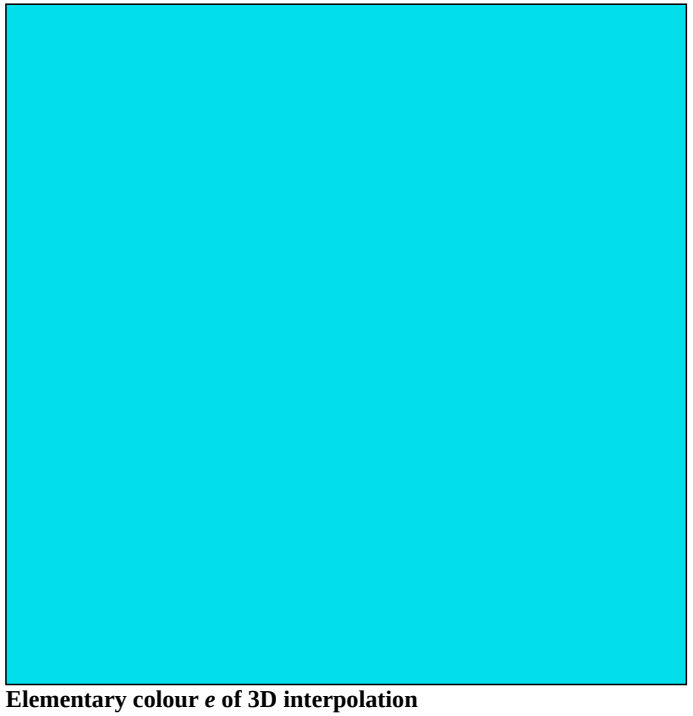
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.75	0.0	0.832	0.875	0.011	0.871	0.93
$rgb^*_{Fa,\ 8bit}$	0	223	191	0	212	223	3	222	237
L^*, C^*_{ab}, h_{ab}	73.5	46.6	176.2	74.6	39.0	210.1	82.9	31.3	214.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	25.9	25.9	3D−it:	11.7	11.7

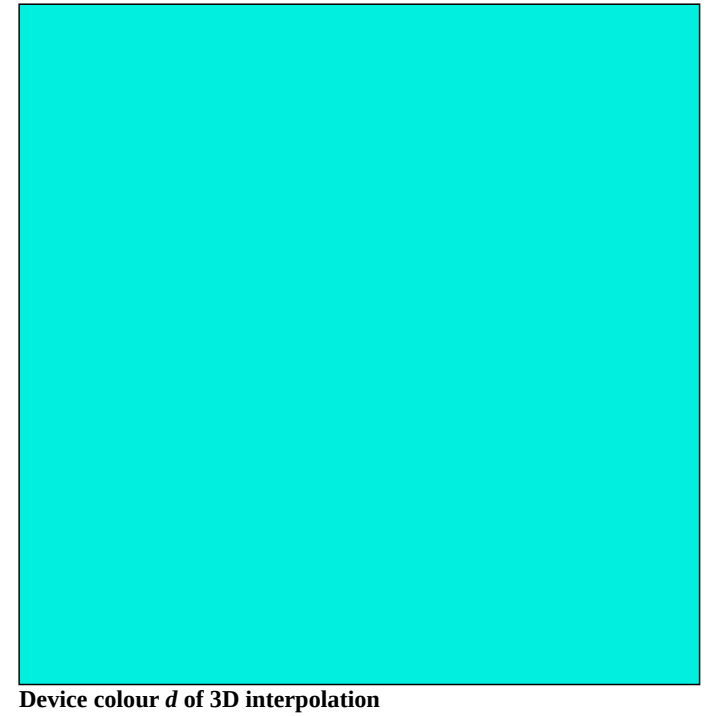
3 Colours no. *j*=69

output of the device colour *d*:

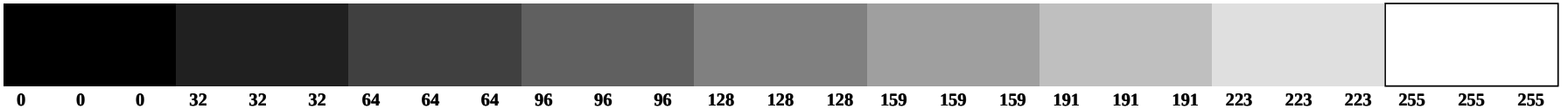
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.75	0.0	0.875	0.421	0.0	0.939	0.875
$olv^*_{Fa,\ 8bit}$	0	223	191	0	223	107	0	239	223
L^*, C^*_{ab}, h_{ab}	73.5	46.6	176.2	76.6	72.6	188.6	87.4	48.2	165.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	29.0	29.0	3D−in:	16.6	16.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
70	0.0	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	72.5	38.2	217.0	−30.4	−22.9	0.125	0.875	g50b	c08v		0.0	0.925	1.0	0.0	0.809	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
70	0.0	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	76.8	63.7	196.7	−60.9	−18.2	0.125	0.875	g31b	c00v		0.0	1.0	0.63	0.0	0.875	0.551

3 Colours no. *j*=70

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.875	0.0	0.809	0.875	0.0	0.839	0.93
$rgb^*_{Fa,\ 8bit}$	0	223	223	0	206	223	0	214	237
L^*, C^*_{ab}, h_{ab}	74.1	41.2	192.5	72.5	38.2	217.0	78.8	33.6	219.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.1	17.1	3D−it:	8.0	8.0	

3 Colours no. *j*=70

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.875	0.0	0.875	0.551	0.0	0.931	0.94
$olv^*_{Fa,\ 8bit}$	0	223	223	0	223	141	0	237	240
L^*, C^*_{ab}, h_{ab}	74.1	41.2	192.5	76.8	63.7	196.7	87.5	44.9	196.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.0	23.0	3D−in:	14.3	14.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
71	0.0	0.875	1.0	216.6	78.3	42.8	223.0	−31.2	−29.1	78.3	42.8	223.0	−31.2	−29.1	0.0	1.0	g55b	c10v		0.0	0.903	1.0	0.0	0.903	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
71	0.0	0.875	1.0	216.6	86.0	58.9	208.5	−51.7	−28.0	86.0	58.9	208.5	−51.7	−28.0	0.0	1.0	g41b	c11v		0.0	1.0	0.845	0.0	1.0	0.845

3 Colours no. *j*=71

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	1.0	0.0	0.903	1.0	0.0	0.904	1.0
$rgb^*_{Fa,\ 8bit}$	0	223	255	0	230	255	0	231	255
L^*, C^*_{ab}, h_{ab}	75.7	41.8	230.5	78.3	42.8	223.0	80.5	36.7	226.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.2	6.2	3D−it:	7.0	7.0

3 Colours no. *j*=71

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	1.0	0.0	1.0	0.845	0.0	0.996	1.0
$olv^*_{Fa,\ 8bit}$	0	223	255	0	255	215	0	254	255
L^*, C^*_{ab}, h_{ab}	75.7	41.8	230.5	86.0	58.9	208.5	88.0	41.6	197.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	27.5	27.5	3D−in:	26.9	26.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
72	0.0	1.0	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	85.7	63.5	162.2	−60.4	19.4	0.0	1.0	j99g	l77c		0.0	1.0	0.774	0.0	1.0	0.774
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
72	0.0	1.0	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	86.0	110.8	132.5	−74.7	81.7	0.0	1.0	j57g	y100l		0.425	1.0	0.0	0.425	1.0	0.0

3 Colours no. *j*=72

output of the elementary colour *e*:

rgb input (in):									
	0.0	1.0	0.0	0.0	1.0	0.774	0.0	1.0	0.775
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	255	0	0	255	197	0	255	198
L^*, C^*_{ab}, h_{ab}	84.4	118.1	132.5	85.7	63.5	162.2	85.8	63.5	159.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	70.4	70.4	3D−it:	2.6	2.6	

3 Colours no. *j*=72

output of the device colour *d*:

rgb input (in):									
	0.0	1.0	0.0	0.425	1.0	0.0	0.206	1.0	0.125
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	255	0	108	255	0	53	255	32
L^*, C^*_{ab}, h_{ab}	84.4	118.1	132.5	86.0	110.8	132.5	86.9	109.4	131.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−in:	9.3	9.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
73	0.0	1.0	0.125	156.6	86.0	58.3	168.2	−57.0	11.9	86.0	58.3	168.2	−57.0	11.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
73	0.0	1.0	0.125	156.6	85.4	113.1	139.5	−85.9	73.4	85.4	113.1	139.5	−85.9	73.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	1.0	g05b	l85c		0.0	1.0	0.854	0.0	1.0	0.854
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	1.0	j67g	l11c		0.324	1.0	0.0	0.324	1.0	0.0

3 Colours no. *j*=73

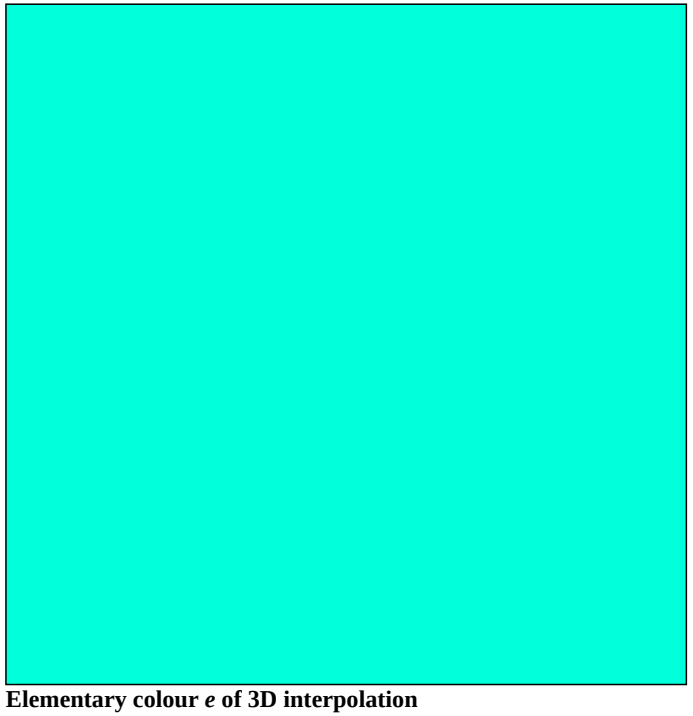
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	1.0	0.125	0.0	1.0	0.854	0.0	1.0	0.855
$rgb^*_{Fa,\ 8bit}$	0	255	32	0	255	218	0	255	218
L^*, C^*_{ab}, h_{ab}	84.4	112.4	134.5	86.0	58.3	168.2	86.1	57.7	166.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	71.6	71.6	3D−it:	2.2	2.2	

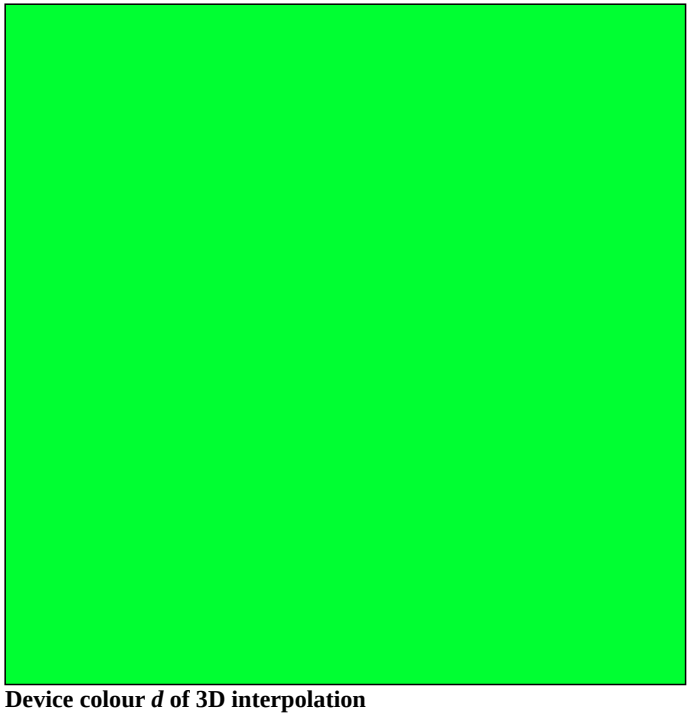
3 Colours no. *j*=73

output of the device colour *d*:

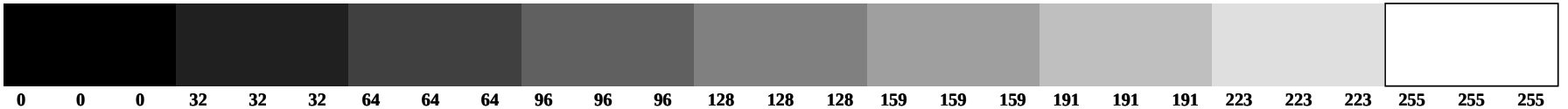
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	1.0	0.125	0.324	1.0	0.0	0.0	1.0	0.197
$olv^*_{Fa,\ 8bit}$	0	255	32	83	255	0	0	255	50
L^*, C^*_{ab}, h_{ab}	84.4	112.4	134.5	85.4	113.1	139.5	86.2	111.3	133.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	2.7	2.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
74	0.0	1.0	0.25	163.9	86.3	55.0	174.9	−54.6	4.9	86.3	55.0	174.9	−54.6	4.9	0.0	1.0	g11b	l90c		0.0	1.0	0.899	0.0	1.0	0.899
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
74	0.0	1.0	0.25	163.9	84.9	115.3	147.4	−97.0	62.2	84.9	115.3	147.4	−97.0	62.2	0.0	1.0	j78g	l23c		0.213	1.0	0.0	0.213	1.0	0.0

3 Colours no. *j*=74

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	1.0	0.25	0.0	1.0	0.899	0.0	1.0	0.902
$rgb^*_{Fa,\ 8bit}$	0	255	64	0	255	229	0	255	230
L^*, C^*_{ab}, h_{ab}	84.6	100.9	138.7	86.3	55.0	174.9	86.5	54.4	169.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	65.2	65.2	3D−it:	5.3	5.3

3 Colours no. *j*=74

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	1.0	0.25	0.213	1.0	0.0	0.125	1.0	0.375
$olv^*_{Fa,\ 8bit}$	0	255	64	54	255	0	32	255	96
L^*, C^*_{ab}, h_{ab}	84.6	100.9	138.7	84.9	115.3	147.4	98.9	103.1	142.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.8	21.8	3D−in:	15.6	15.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
75	0.0	1.0	0.375	171.8	86.6	52.1	182.1	−52.0	−1.8
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
75	0.0	1.0	0.375	171.8	84.5	117.3	155.8	−106.948.1	

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
86.6	52.1	182.1	−52.0	−1.8	0.0	1.0	g18b	l93c		0.0	1.0	0.932	0.0	1.0	0.932
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
84.5	117.3	155.8	−106.948.1		0.0	1.0	j90g	l36c		0.092	1.0	0.0	0.092	1.0	0.0

3 Colours no. *j*=75

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	1.0	0.375	0.0	1.0	0.932	0.0	1.0	0.938
$rgb^*_{Fa,\ 8bit}$	0	255	96	0	255	238	0	255	239
L^*, C^*_{ab}, h_{ab}	84.8	91.0	143.1	86.6	52.1	182.1	88.0	40.7	168.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	60.2	60.2	3D−it:	16.2	16.2	

3 Colours no. *j*=75

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	1.0	0.375	0.092	1.0	0.0	0.125	1.0	0.375
$olv^*_{Fa,\ 8bit}$	0	255	96	23	255	0	32	255	96
L^*, C^*_{ab}, h_{ab}	84.8	91.0	143.1	84.5	117.3	155.8	98.9	103.1	142.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	34.8	34.8	3D−in:	18.7	18.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
76	0.0	1.0	0.5	180.0	87.0	49.2	189.6	−48.4	−8.1	87.0	49.2	189.6	−48.4	−8.1	0.0	1.0	g25b	l97c		0.0	1.0	0.967	0.0	1.0	0.967
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
76	0.0	1.0	0.5	180.0	84.4	116.1	164.6	−111.8	30.8	84.4	116.1	164.6	−111.8	30.8	0.0	1.0	g02b	l50c		0.0	1.0	0.043	0.0	1.0	0.043

3 Colours no. *j*=76

output of the elementary colour *e*:

rgb input (in):									
	0.0	1.0	0.5	0.0	1.0	0.967	0.0	1.0	0.972
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	0	255	128	0	255	247	0	255	248
L^*, C^*_{ab}, h_{ab}	85.0	81.6	148.0	87.0	49.2	189.6	87.5	43.1	184.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	55.4	55.4	3D−it:	7.4	7.4	

3 Colours no. *j*=76

output of the device colour *d*:

rgb input (in):									
	0.0	1.0	0.5	0.0	1.0	0.043	0.0	1.0	0.502
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	0	255	128	0	255	11	0	255	128
L^*, C^*_{ab}, h_{ab}	85.0	81.6	148.0	84.4	116.1	164.6	85.3	97.2	135.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	44.5	44.5	3D−in:	24.5	24.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
77	0.0	1.0	0.625	188.2	87.2	46.3	197.1	−44.2	−13.5	87.2	46.3	197.1	−44.2	−13.5	0.0	1.0	g31b	c00v		0.0	0.999	1.0	0.0	0.999	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
77	0.0	1.0	0.625	188.2	84.5	105.1	173.4	−104.3	12.1	84.5	105.1	173.4	−104.3	12.1	0.0	1.0	g10b	l64c		0.0	1.0	0.204	0.0	1.0	0.204

3 Colours no. *j*=77

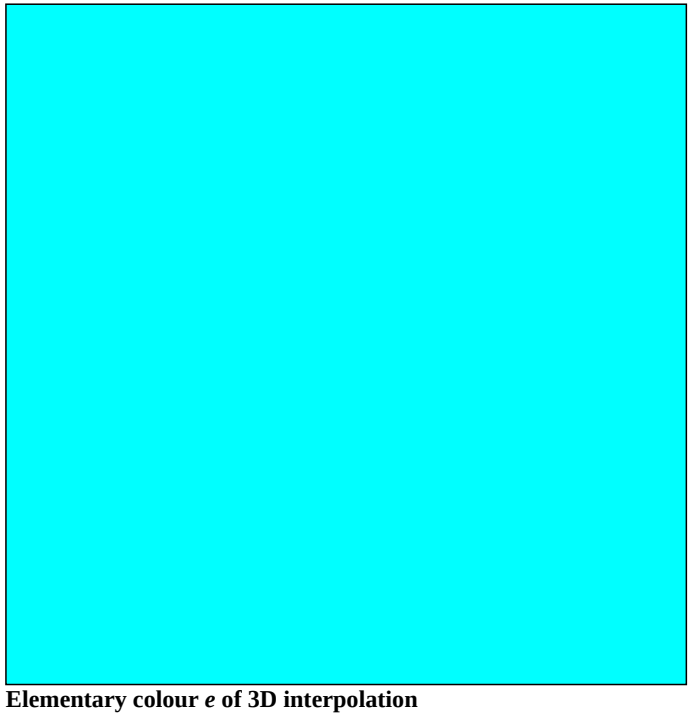
output of the elementary colour *e*:

rgb input (in):									
	0.0	1.0	0.625	0.0	0.999	1.0	0.0	0.999	1.0
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	255	159	0	255	255	0	255	255
L^*, C^*_{ab}, h_{ab}	85.3	73.1	153.6	87.2	46.3	197.1	87.3	46.1	196.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	50.8	50.8	3D−it:	0.4	0.4	

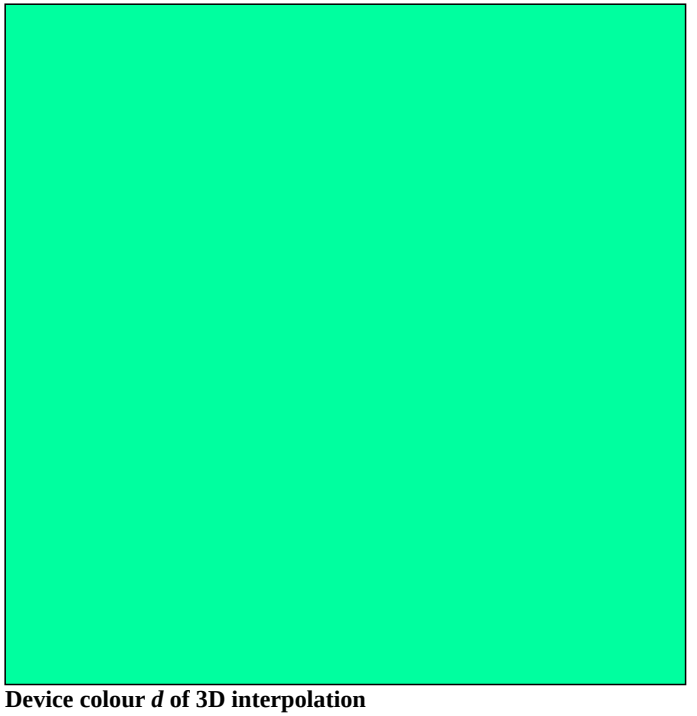
3 Colours no. *j*=77

output of the device colour *d*:

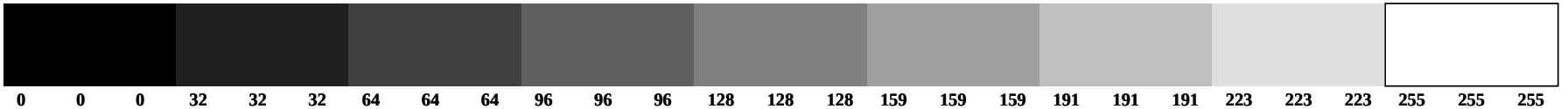
rgb input (in):									
	0.0	1.0	0.625	0.0	1.0	0.204	0.0	1.0	0.624
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	255	159	0	255	52	0	255	159
L^*, C^*_{ab}, h_{ab}	85.3	73.1	153.6	84.5	105.1	173.4	85.7	77.4	145.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	43.9	43.9	3D−in:	12.0	12.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
78	0.0	1.0	0.75	196.1	84.7	45.4	204.3	−41.2	−18.6	84.7	45.4	204.3	−41.2	−18.6	0.0	1.0	g38b	c03v		0.0	0.972	1.0	0.0	0.972	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
78	0.0	1.0	0.75	196.1	84.8	92.3	181.8	−92.2	−2.9	84.8	92.3	181.8	−92.2	−2.9	0.0	1.0	g18b	l77c		0.0	1.0	0.358	0.0	1.0	0.358

3 Colours no. *j*=78

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	1.0	0.75	0.0	0.972	1.0	0.0	0.973	1.0
$rgb^*_{Fa,\ 8bit}$	0	255	191	0	248	255	0	248	255
L^*, C^*_{ab}, h_{ab}	85.6	65.1	160.4	84.7	45.4	204.3	88.0	41.6	197.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	45.2	45.2	3D−it:	7.3	7.3

3 Colours no. *j*=78

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	1.0	0.75	0.0	1.0	0.358	0.0	1.0	0.875
$olv^*_{Fa,\ 8bit}$	0	255	191	0	255	91	0	255	223
L^*, C^*_{ab}, h_{ab}	85.6	65.1	160.4	84.8	92.3	181.8	86.6	65.2	147.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	39.7	39.7	3D−in:	14.2	14.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
79	0.0	1.0	0.875	203.4	82.4	44.4	211.0	−38.0	−22.8	82.4	44.4	211.0	−38.0	−22.8	0.0	1.0	g44b	c05v		0.0	0.947	1.0	0.0	0.947	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
79	0.0	1.0	0.875	203.4	85.0	81.5	189.7	−80.2	−13.6	85.0	81.5	189.7	−80.2	−13.6	0.0	1.0	g25b	l89c		0.0	1.0	0.501	0.0	1.0	0.501

3 Colours no. *j*=79

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	1.0	0.875	0.0	0.947	1.0	0.0	0.949	1.0
$rgb^*_{Fa,\ 8bit}$	0	255	223	0	242	255	0	242	255
L^*, C^*_{ab}, h_{ab}	86.1	56.9	169.9	82.4	44.4	211.0	88.6	37.7	197.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	37.7	37.7	3D−it:	13.3	13.3

3 Colours no. *j*=79

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	1.0	0.875	0.0	1.0	0.501	0.0	1.0	0.875
$olv^*_{Fa,\ 8bit}$	0	255	223	0	255	128	0	255	223
L^*, C^*_{ab}, h_{ab}	86.1	56.9	169.9	85.0	81.5	189.7	87.4	48.2	165.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	33.9	33.9	3D−in:	9.8	9.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
80	0.0	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	80.3	43.6	217.0	−34.7	−26.1	0.0	1.0	g50b	c08v		0.0	0.925	1.0	0.0	0.925	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
80	0.0	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	85.3	72.8	196.7	−69.6	−20.8	0.0	1.0	g31b	c00v		0.0	1.0	0.63	0.0	1.0	0.63

3 Colours no. *j*=80

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	1.0	1.0	0.0	0.925	1.0	0.0	0.927	1.0
$rgb^*_{Fa,\ 8bit}$	0	255	255	0	236	255	0	236	255
L^*, C^*_{ab}, h_{ab}	87.3	46.4	196.7	80.3	43.6	217.0	84.7	32.6	219.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.5	17.5	3D−it:	11.9	11.9

3 Colours no. *j*=80

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	1.0	1.0	0.0	1.0	0.63	0.0	1.0	1.0
$olv^*_{Fa,\ 8bit}$	0	255	255	0	255	161	0	255	255
L^*, C^*_{ab}, h_{ab}	87.3	46.4	196.7	85.3	72.8	196.7	96.8	44.8	175.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	26.5	26.5	3D−in:	19.4	19.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
81	0.125	0.0	0.0	30.0	52.7	81.3	25.5	73.4	34.9	22.0	10.2	25.5	9.2	4.4	0.875	0.125	b99r	m81o		1.0	0.0	0.189	0.125	0.0	0.024
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
81	0.125	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	22.4	10.8	38.2	8.5	6.7	0.875	0.125	r19j	m100o		1.0	0.19	0.0	0.125	0.024	0.0

3 Colours no. *j*=81

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	0.0	0.125	0.0	0.024	0.168	0.034	0.026
$rgb^*_{Fa,\ 8bit}$	32	0	0	32	0	6	43	9	7
L^*, C^*_{ab}, h_{ab}	19.4	7.9	21.4	22.0	10.2	25.5	24.7	12.5	28.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.5	3.5	

3 Colours no. *j*=81

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	0.0	0.125	0.024	0.0	0.173	0.042	0.009
$olv^*_{Fa,\ 8bit}$	32	0	0	32	6	0	44	11	2
L^*, C^*_{ab}, h_{ab}	19.4	7.9	21.4	22.4	10.8	38.2	25.4	14.2	47.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−in:	9.9	9.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
82	0.125	0.0	0.125	330.0	57.9	105.2	328.6	89.9	−54.7	22.7	13.2	328.6	11.2	−6.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
82	0.125	0.0	0.125	330.0	56.9	108.7	326.7	90.8	−59.6	22.6	13.6	326.7	11.3	−7.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.875	0.125	b50r	m02o		1.0	0.0	0.975	0.125	0.0	0.122
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.875	0.125	b47r	m00o		0.966	0.0	1.0	0.121	0.0	0.125

3 Colours no. *j*=82

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.125	0.0	0.125	0.125	0.0	0.122	0.16	0.046	0.139
$rgb^*_{Fa,\ 8bit}$	32	0	32	32	0	31	41	12	35
L^*, C^*_{ab}, h_{ab}	19.9	14.5	321.4	22.7	13.2	328.6	25.5	12.2	337.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.6	3.6	3D−it:	3.6	3.6

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
0.125	0.0	0.125	0.125	0.0	0.122	0.16	0.046	0.139
32	0	32	32	0	31	41	12	35
19.9	14.5	321.4	22.7	13.2	328.6	25.5	12.2	337.7

it−in: 3.6 3.6 3D−it: 3.6 3.6

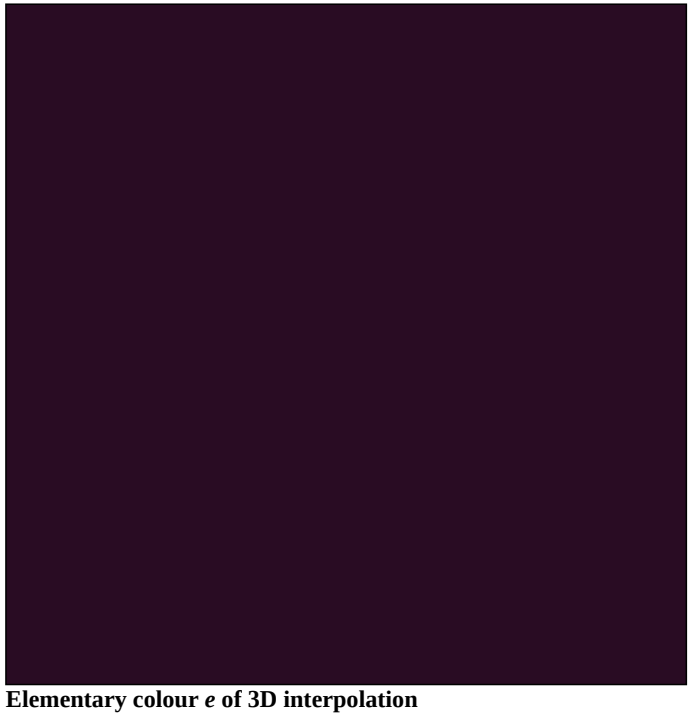
3 Colours no. *j*=82

output of the device colour *d*:

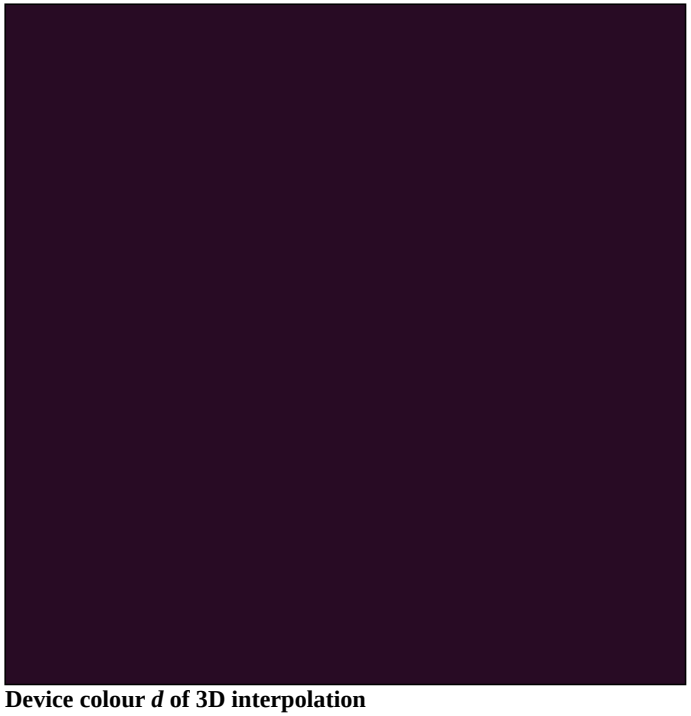
rgb input (in):									
olv^*_{Fa}	0.125	0.0	0.125	0.121	0.0	0.125	0.157	0.044	0.141
$olv^*_{Fa,\ 8bit}$	32	0	32	31	0	32	40	11	36
L^*, C^*_{ab}, h_{ab}	19.9	14.5	321.4	22.6	13.6	326.7	25.3	12.8	332.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.1	3.1	3D−in:	6.3	6.3

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
0.125	0.0	0.125	0.121	0.0	0.125	0.157	0.044	0.141
32	0	32	31	0	32	40	11	36
19.9	14.5	321.4	22.6	13.6	326.7	25.3	12.8	332.6

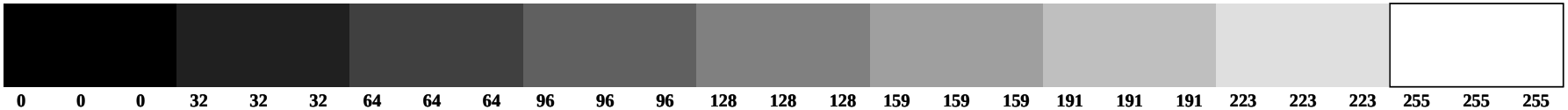
it−in: 3.1 3.1 3D−in: 6.3 6.3



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
83	0.125	0.0	0.25	300.0	39.4	107.1	300.2	53.9	−92.5	23.1	26.8	300.2	13.5	−23.0	0.75	0.25	b25r	c83v		0.0	0.173	1.0	0.0	0.043	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
83	0.125	0.0	0.25	300.0	49.6	110.3	315.4	78.5	−77.4	25.6	27.6	315.4	19.6	−19.3	0.75	0.25	b38r	v50m		0.767	0.0	1.0	0.192	0.0	0.25

3 Colours no. *j*=83

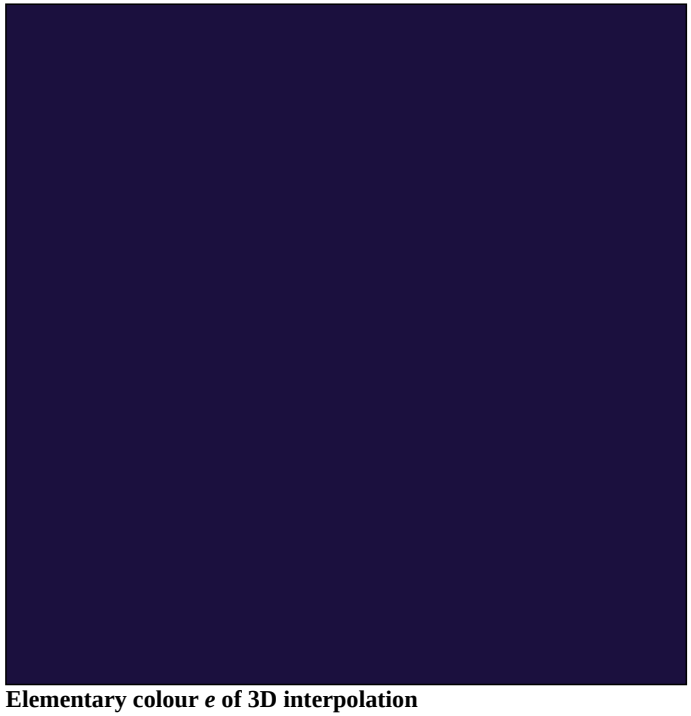
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	0.25	0.0	0.043	0.25	0.105	0.063	0.242
$rgb^*_{Fa,\ 8bit}$	32	0	64	0	11	64	27	16	62
L^*, C^*_{ab}, h_{ab}	21.2	34.3	306.4	23.1	26.8	300.2	25.6	27.0	310.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−it:	5.3	5.3	

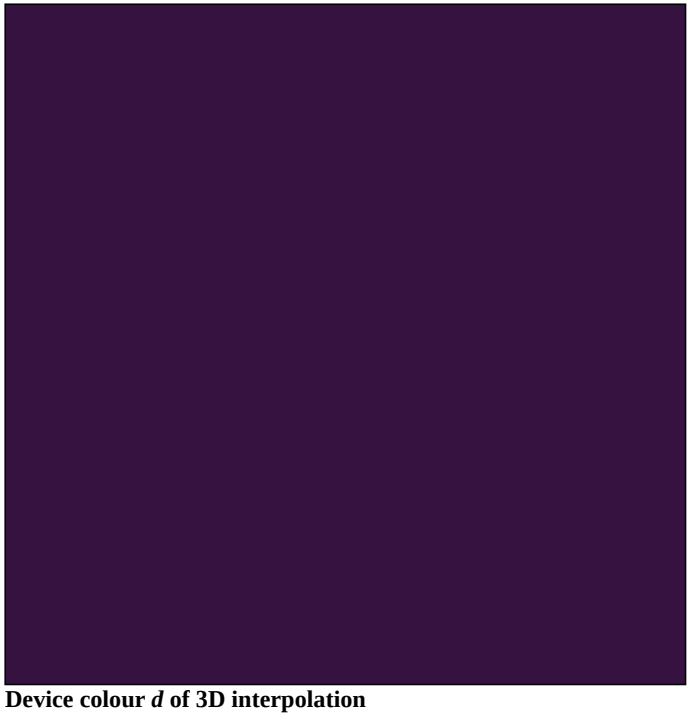
3 Colours no. *j*=83

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	0.25	0.192	0.0	0.25	0.207	0.07	0.246
$olv^*_{Fa,\ 8bit}$	32	0	64	49	0	64	53	18	63
L^*, C^*_{ab}, h_{ab}	21.2	34.3	306.4	25.6	27.6	315.4	28.4	25.9	322.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−in:	14.0	14.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
84	0.125	0.0	0.375	289.1	49.2	80.6	289.9	27.4	−75.7	29.5	30.2	289.9	10.3	−28.3	0.625	0.375	b16r	c62v		0.0	0.383	1.0	0.0	0.144	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
84	0.125	0.0	0.375	289.1	47.5	111.4	311.3	73.5	−83.7	28.8	41.8	311.3	27.5	−31.3	0.625	0.375	b34r	v32m		0.695	0.0	1.0	0.261	0.0	0.375

3 Colours no. *j*=84

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	0.375	0.0	0.144	0.375	0.122	0.17	0.367
$rgb^*_{Fa,\ 8bit}$	32	0	96	0	37	96	31	43	94
L^*, C^*_{ab}, h_{ab}	22.5	49.8	304.8	29.5	30.2	289.9	37.7	30.2	296.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.1	23.1	3D−it:	9.0	9.0	

3 Colours no. *j*=84

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	0.375	0.261	0.0	0.375	0.251	0.101	0.384
$olv^*_{Fa,\ 8bit}$	32	0	96	66	0	96	64	26	98
L^*, C^*_{ab}, h_{ab}	22.5	49.8	304.8	28.8	41.8	311.3	29.5	41.9	315.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−in:	13.3	13.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
85	0.125	0.0	0.5	283.9	52.8	72.7	284.9	18.7	−70.1	35.2	36.3	284.9	9.4	−35.0	0.5	0.5	b11r	c55v		0.0	0.455	1.0	0.0	0.227	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
85	0.125	0.0	0.5	283.9	46.5	112.0	309.3	70.9	−86.5	32.1	56.0	309.3	35.5	−43.2	0.5	0.5	b32r	v23m		0.66	0.0	1.0	0.33	0.0	0.5

3 Colours no. *j*=85

output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
rgb^*_{Fa}	0.125	0.0	0.5	0.0	0.227	0.5	0.13	0.24	0.512
$rgb^*_{Fa,\ 8bit}$	32	0	128	0	58	128	33	61	131
L^*, C^*_{ab}, h_{ab}	24.1	63.5	304.7	35.2	36.3	284.9	35.8	35.2	289.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	33.7	33.7	3D−it:	3.3	3.3	

3 Colours no. *j*=85

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
olv^*_{Fa}	0.125	0.0	0.5	0.33	0.0	0.5	0.291	0.129	0.545
$olv^*_{Fa,\ 8bit}$	32	0	128	84	0	128	74	33	139
L^*, C^*_{ab}, h_{ab}	24.1	63.5	304.7	32.1	56.0	309.3	33.6	57.0	313.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	14.6	14.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
86	0.125	0.0	0.625	280.9	54.8	68.1	282.1	14.2	−66.5	40.9	42.5	282.1	8.9	−41.5	0.375	0.625	b09r	c50v		0.0	0.496	1.0	0.0	0.31	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
86	0.125	0.0	0.625	280.9	46.0	112.3	308.2	69.4	−88.2	35.4	70.2	308.2	43.4	−55.1	0.375	0.625	b31r	v18m		0.641	0.0	1.0	0.4	0.0	0.625

3 Colours no. *j*=86

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	0.625	0.0	0.31	0.625	0.128	0.315	0.669
$rgb^*_{Fa,\ 8bit}$	32	0	159	0	79	159	33	80	171
L^*, C^*_{ab}, h_{ab}	25.7	76.0	305.0	40.9	42.5	282.1	44.9	42.3	286.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	43.2	43.2	3D−it:	5.3	5.3	

3 Colours no. *j*=86

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	0.625	0.4	0.0	0.625	0.322	0.14	0.707
$olv^*_{Fa,\ 8bit}$	32	0	159	102	0	159	82	36	180
L^*, C^*_{ab}, h_{ab}	25.7	76.0	305.0	35.4	70.2	308.2	36.9	71.9	314.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	16.9	16.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
87	0.125	0.0	0.75	279.0	55.8	66.0	280.2	11.7	−64.9	46.3	49.5	280.2	8.8	−48.6	0.25	0.75	b07r	c48v		0.0	0.518	1.0	0.0	0.388	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
87	0.125	0.0	0.75	279.0	45.6	112.5	307.4	68.4	−89.2	38.6	84.4	307.4	51.3	−66.9	0.25	0.75	b31r	v15m		0.628	0.0	1.0	0.471	0.0	0.75

3 Colours no. *j*=87

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	0.75	0.0	0.388	0.75	0.102	0.39	0.827
$rgb^*_{Fa,\ 8bit}$	32	0	191	0	99	191	26	100	211
L^*, C^*_{ab}, h_{ab}	27.5	86.9	305.0	46.3	49.5	280.2	46.6	45.6	287.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	50.4	50.4	3D−it:	7.3	7.3	

3 Colours no. *j*=87

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	0.75	0.471	0.0	0.75	0.364	0.152	0.878
$olv^*_{Fa,\ 8bit}$	32	0	191	120	0	191	93	39	224
L^*, C^*_{ab}, h_{ab}	27.5	86.9	305.0	38.6	84.4	307.4	39.7	85.7	309.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	14.0	14.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
88	0.125	0.0	0.875	277.6	56.5	64.7	278.9	10.1	−63.8	51.7	56.6	278.9	8.8	−55.8	0.125	0.875	b06r	c47v		0.0	0.532	1.0	0.0	0.466	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
88	0.125	0.0	0.875	277.6	45.4	112.6	306.9	67.6	−89.9	41.9	98.5	306.9	59.2	−78.7	0.125	0.875	b30r	v13m		0.619	0.0	1.0	0.541	0.0	0.875

3 Colours no. *j*=88

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	0.875	0.0	0.466	0.875	0.034	0.467	0.926
$rgb^*_{Fa,\ 8bit}$	32	0	223	0	119	223	9	119	236
L^*, C^*_{ab}, h_{ab}	30.0	99.1	305.1	51.7	56.6	278.9	57.3	55.7	284.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	58.5	58.5	3D−it:	7.8	7.8	

3 Colours no. *j*=88

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	0.875	0.541	0.0	0.875	0.392	0.154	0.958
$olv^*_{Fa,\ 8bit}$	32	0	223	138	0	223	100	39	244
L^*, C^*_{ab}, h_{ab}	30.0	99.1	305.1	41.9	98.5	306.9	49.0	98.5	309.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.4	12.4	3D−in:	20.5	20.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
89	0.125	0.0	1.0	276.6	57.1	63.7	278.0	8.9	−63.0	57.1	63.7	278.0	8.9	−63.0	0.0	1.0	b05r	c46v		0.0	0.543	1.0	0.0	0.543	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
89	0.125	0.0	1.0	276.6	45.2	112.7	306.5	67.1	−90.4	45.2	112.7	306.5	67.1	−90.4	0.0	1.0	b30r	v11m		0.612	0.0	1.0	0.612	0.0	1.0

3 Colours no. *j*=89

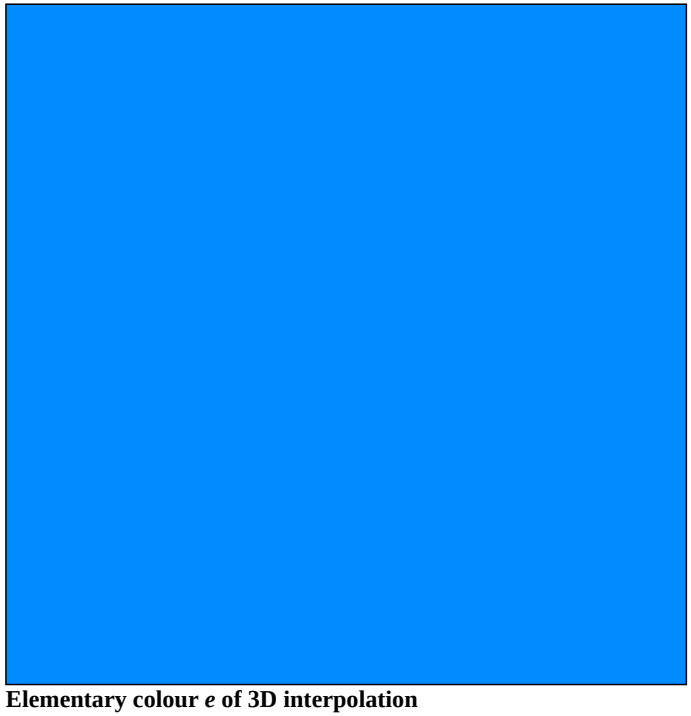
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	1.0	0.0	0.543	1.0	0.0	0.546	1.0
$rgb^*_{Fa,\ 8bit}$	32	0	255	0	138	255	0	139	255
L^*, C^*_{ab}, h_{ab}	35.5	120.2	304.7	57.1	63.7	278.0	59.1	61.6	283.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	72.8	72.8	3D−it:	6.3	6.3	

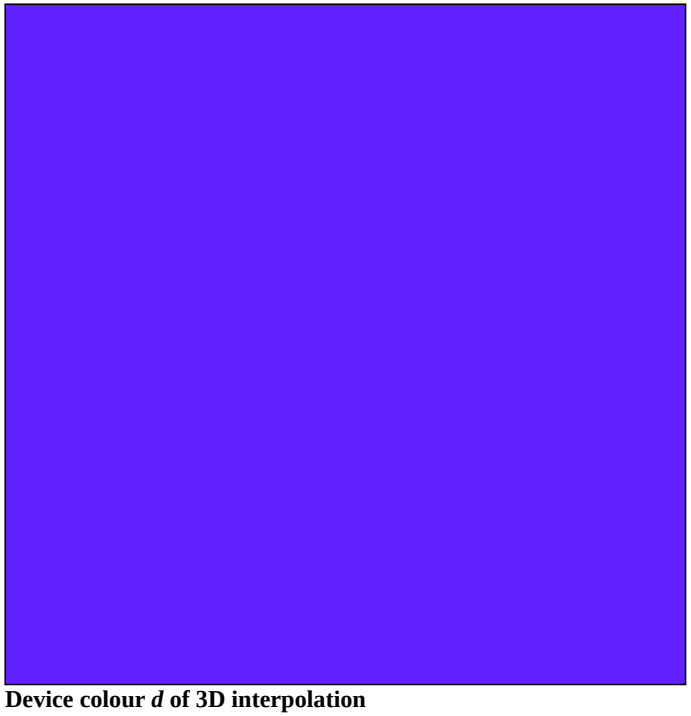
3 Colours no. *j*=89

output of the device colour *d*:

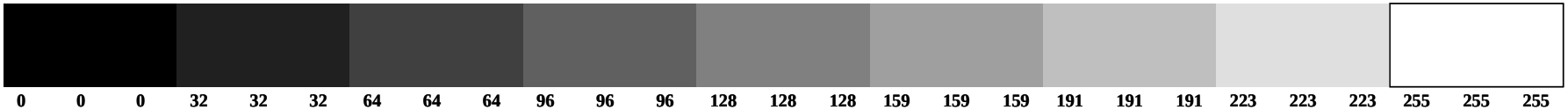
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	1.0	0.612	0.0	1.0	0.375	0.125	1.0
$olv^*_{Fa,\ 8bit}$	32	0	255	156	0	255	96	32	255
L^*, C^*_{ab}, h_{ab}	35.5	120.2	304.7	45.2	112.7	306.5	48.6	111.4	307.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−in:	17.0	17.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
90	0.125	0.125	0.0	90.0	83.7	89.7	92.3	−3.4	89.7	25.9	11.2	92.3	−0.3	11.2	0.875	0.125	r99j	o88y		1.0	0.884	0.0	0.125	0.11	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
90	0.125	0.125	0.0	90.0	90.1	102.2	101.8	−20.7	100.1	26.7	12.8	101.8	−2.5	12.5	0.875	0.125	j13g	o100y		0.865	1.0	0.0	0.108	0.125	0.0

3 Colours no. *j*=90

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.0	0.125	0.11	0.0	0.167	0.136	0.016
$rgb^*_{Fa,\ 8bit}$	32	32	0	32	28	0	42	35	4
L^*, C^*_{ab}, h_{ab}	24.1	10.8	108.1	25.9	11.2	92.3	27.7	12.4	78.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.5	3.5	

3 Colours no. *j*=90

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.0	0.108	0.125	0.0	0.165	0.148	0.014
$olv^*_{Fa,\ 8bit}$	32	32	0	28	32	0	42	38	4
L^*, C^*_{ab}, h_{ab}	24.1	10.8	108.1	26.7	12.8	101.8	29.3	14.9	97.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	7.0	7.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
91	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0	0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
91	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0	0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=91

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.0	288.8	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.4	3.4	

3 Colours no. *j*=91

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.0	288.8	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	6.7	6.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
92	0.125	0.125	0.25	270.0	60.4	57.4	271.8	1.8	−57.2	32.7	7.2	271.8	0.2	−7.1	0.75	0.125	b00r	c39v		0.0	0.613	1.0	0.125	0.202	0.25
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
92	0.125	0.125	0.25	270.0	44.2	113.3	304.1	63.5	−93.7	30.7	14.2	304.1	7.9	−11.6	0.75	0.125	b28r	v00m		0.569	0.0	1.0	0.196	0.125	0.25

3 Colours no. *j*=92

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.25	0.125	0.202	0.25	0.199	0.212	0.237
$rgb^*_{Fa,\ 8bit}$	32	32	64	32	51	64	51	54	60
L^*, C^*_{ab}, h_{ab}	25.6	22.7	294.7	32.7	7.2	271.8	36.1	3.6	279.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.8	17.8	3D−it:	5.0	5.0	

3 Colours no. *j*=92

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.25	0.196	0.125	0.25	0.21	0.176	0.248
$olv^*_{Fa,\ 8bit}$	32	32	64	50	32	64	54	45	63
L^*, C^*_{ab}, h_{ab}	25.6	22.7	294.7	30.7	14.2	304.1	36.8	10.6	326.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	18.5	18.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
93	0.125	0.125	0.375	270.0	60.4	57.3	271.8	1.8	−57.2	38.1	14.3	271.8	0.4	−14.2	0.625	0.25	b00r	c39v		0.0	0.613	1.0	0.125	0.278	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
93	0.125	0.125	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	34.0	28.3	304.1	15.9	−23.4	0.625	0.25	b28r	v00m		0.569	0.0	1.0	0.267	0.125	0.375

3 Colours no. *j*=93

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.375	0.125	0.278	0.375	0.217	0.283	0.366
$rgb^*_{Fa,\ 8bit}$	32	32	96	32	71	96	55	72	93
L^*, C^*_{ab}, h_{ab}	26.6	38.5	297.5	38.1	14.3	271.8	44.7	10.3	285.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	28.7	28.7	3D−it:	8.2	8.2	

3 Colours no. *j*=93

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.375	0.267	0.125	0.375	0.259	0.198	0.389
$olv^*_{Fa,\ 8bit}$	32	32	96	68	32	96	66	51	99
L^*, C^*_{ab}, h_{ab}	26.6	38.5	297.5	34.0	28.3	304.1	39.9	29.7	315.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−in:	19.1	19.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
94	0.125	0.125	0.5	270.0	60.4	57.3	271.8	1.8	−57.2	43.4	21.5	271.8	0.7	−21.4	0.5	0.375	b00r	c39v		0.0	0.613	1.0	0.125	0.355	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
94	0.125	0.125	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	37.3	42.5	304.1	23.8	−35.1	0.5	0.375	b28r	v00m		0.569	0.0	1.0	0.338	0.125	0.5

3 Colours no. *j*=94

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.5	0.125	0.355	0.5	0.242	0.355	0.51
$rgb^*_{Fa,\ 8bit}$	32	32	128	32	90	128	62	91	130
L^*, C^*_{ab}, h_{ab}	27.9	52.7	299.3	43.4	21.5	271.8	44.7	19.0	279.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	38.4	38.4	3D−it:	4.0	4.0	

3 Colours no. *j*=94

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.5	0.338	0.125	0.5	0.307	0.219	0.549
$olv^*_{Fa,\ 8bit}$	32	32	128	86	32	128	78	56	140
L^*, C^*_{ab}, h_{ab}	27.9	52.7	299.3	37.3	42.5	304.1	40.8	42.7	308.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−in:	18.0	18.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
95	0.125	0.125	0.625	270.0	60.4	57.3	271.7	1.7	−57.2	48.8	28.7	271.7	0.9	−28.5	0.375	0.5	b00r	c39v		0.0	0.613	1.0	0.125	0.431	0.625
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
95	0.125	0.125	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	40.6	56.6	304.1	31.7	−46.8	0.375	0.5	b28r	v00m		0.568	0.0	1.0	0.409	0.125	0.625

3 Colours no. *j*=95

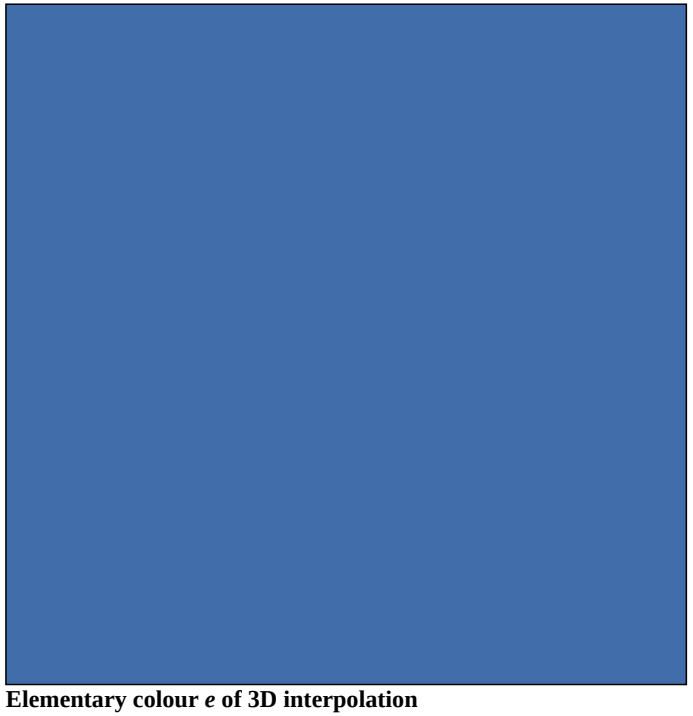
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.625	0.125	0.431	0.625	0.255	0.432	0.669
$rgb^*_{Fa,\ 8bit}$	32	32	159	32	110	159	65	110	171
L^*, C^*_{ab}, h_{ab}	29.3	65.5	300.8	48.8	28.7	271.7	52.9	28.2	280.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	47.0	47.0	3D−it:	6.0	6.0	

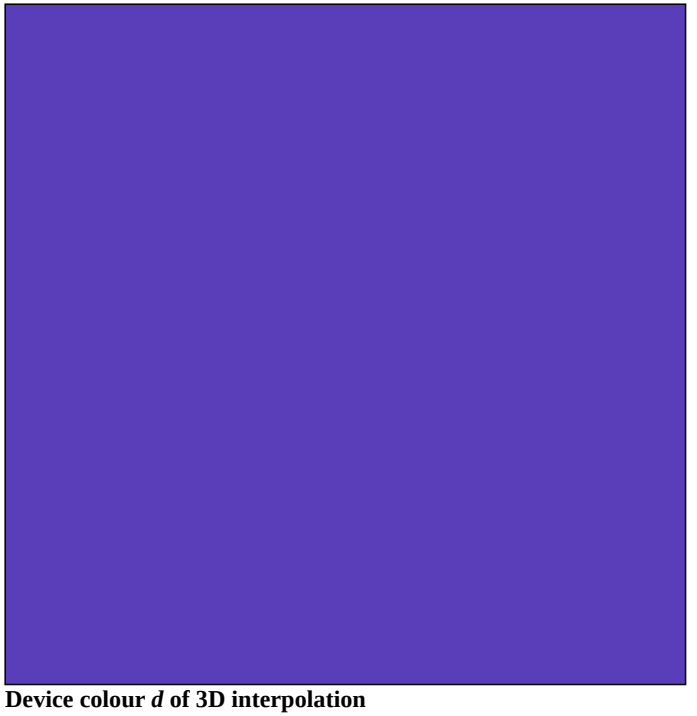
3 Colours no. *j*=95

output of the device colour *d*:

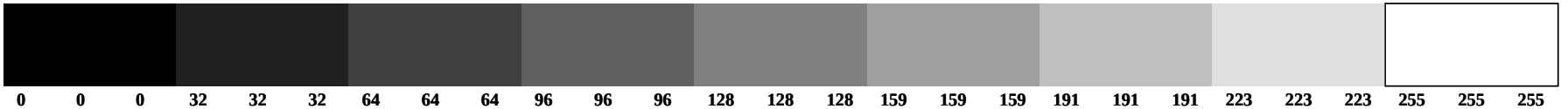
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.625	0.409	0.125	0.625	0.351	0.238	0.721
$olv^*_{Fa,\ 8bit}$	32	32	159	104	32	159	90	61	184
L^*, C^*_{ab}, h_{ab}	29.3	65.5	300.8	40.6	56.6	304.1	41.8	56.6	305.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.8	14.8	3D−in:	16.0	16.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
96	0.125	0.125	0.75	270.0	60.5	57.3	271.7	1.7	−57.2	54.1	35.8	271.7	1.1	−35.7	0.25	0.625	b00r	c39v		0.0	0.613	1.0	0.125	0.508	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
96	0.125	0.125	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	43.9	70.8	304.1	39.7	−58.6	0.25	0.625	b28r	v00m		0.568	0.0	1.0	0.48	0.125	0.75

3 Colours no. *j*=96

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.75	0.125	0.508	0.75	0.266	0.51	0.826
$rgb^*_{Fa,\ 8bit}$	32	32	191	32	130	191	68	130	211
L^*, C^*_{ab}, h_{ab}	30.8	76.9	301.5	54.1	35.8	271.7	54.3	30.6	277.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	54.3	54.3	3D−it:	6.2	6.2	

3 Colours no. *j*=96

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.75	0.48	0.125	0.75	0.393	0.256	0.88
$olv^*_{Fa,\ 8bit}$	32	32	191	122	32	191	100	65	224
L^*, C^*_{ab}, h_{ab}	30.8	76.9	301.5	43.9	70.8	304.1	44.7	71.2	304.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.8	14.8	3D−in:	15.4	15.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
97	0.125	0.125	0.875	270.0	60.5	57.3	271.7	1.7	−57.2	59.5	43.0	271.7	1.3	−42.9	0.125	0.75	b00r	c39v		0.0	0.613	1.0	0.125	0.585	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
97	0.125	0.125	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	47.3	85.0	304.1	47.6	−70.3	0.125	0.75	b28r	v00m		0.568	0.0	1.0	0.551	0.125	0.875

3 Colours no. *j*=97

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.875	0.125	0.585	0.875	0.262	0.586	0.922
$rgb^*_{Fa,\ 8bit}$	32	32	223	32	149	223	67	149	235
L^*, C^*_{ab}, h_{ab}	33.0	90.0	302.3	59.5	43.0	271.7	65.0	41.5	275.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	63.1	63.1	3D−it:	6.5	6.5	

3 Colours no. *j*=97

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.875	0.551	0.125	0.875	0.427	0.267	0.96
$olv^*_{Fa,\ 8bit}$	32	32	223	141	32	223	109	68	245
L^*, C^*_{ab}, h_{ab}	33.0	90.0	302.3	47.3	85.0	304.1	56.1	79.9	306.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.4	15.4	3D−in:	26.1	26.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
98	0.125	0.125	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	64.8	50.1	271.7	1.5	−50.0	0.0	0.875	b00r	c39v		0.0	0.613	1.0	0.125	0.661	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
98	0.125	0.125	1.0	270.0	44.2	113.3	304.1	63.5	−93.8	50.6	99.1	304.1	55.5	−82.0	0.0	0.875	b28r	v00m		0.568	0.0	1.0	0.622	0.125	1.0

3 Colours no. *j*=98

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	1.0	0.125	0.661	1.0	0.262	0.669	1.0
$rgb^*_{Fa,\ 8bit}$	32	32	255	32	169	255	67	171	255
L^*, C^*_{ab}, h_{ab}	37.9	112.7	302.9	64.8	50.1	271.7	67.3	46.7	277.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	79.1	79.1	3D−it:	6.3	6.3	

3 Colours no. *j*=98

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	1.0	0.622	0.125	1.0	0.469	0.251	1.0
$olv^*_{Fa,\ 8bit}$	32	32	255	159	32	255	120	64	255
L^*, C^*_{ab}, h_{ab}	37.9	112.7	302.9	50.6	99.1	304.1	54.3	99.4	306.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.7	18.7	3D−in:	22.3	22.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
99	0.125	0.25	0.0	120.0	85.7	111.8	127.2	−67.5	89.0	34.7	27.9	127.2	−16.8	22.2	0.75	0.25	j49g	y61l		0.386	1.0	0.0	0.096	0.25	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
99	0.125	0.25	0.0	120.0	87.6	105.9	117.1	−48.2	94.2	35.1	26.5	117.1	−12.0	23.5	0.75	0.25	j35g	y50l		0.645	1.0	0.0	0.161	0.25	0.0

3 Colours no. *j*=99

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.0	0.096	0.25	0.0	0.193	0.257	0.027
$rgb^*_{Fa,\ 8bit}$	32	64	0	25	64	0	49	65	7
L^*, C^*_{ab}, h_{ab}	33.1	30.5	131.1	34.7	27.9	127.2	36.3	26.8	120.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−it:	3.6	3.6	

3 Colours no. *j*=99

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.0	0.161	0.25	0.0	0.222	0.256	0.028
$olv^*_{Fa,\ 8bit}$	32	64	0	41	64	0	57	65	7
L^*, C^*_{ab}, h_{ab}	33.1	30.5	131.1	35.1	26.5	117.1	35.3	27.8	107.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	12.4	12.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
100	0.125	0.25	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	35.9	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
100	0.125	0.25	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	35.9	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.125	j99g	l77c		0.0	1.0	0.774	0.125	0.25	0.222
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.125	j57g	y100l		0.425	1.0	0.0	0.178	0.25	0.125

3 Colours no. *j*=100

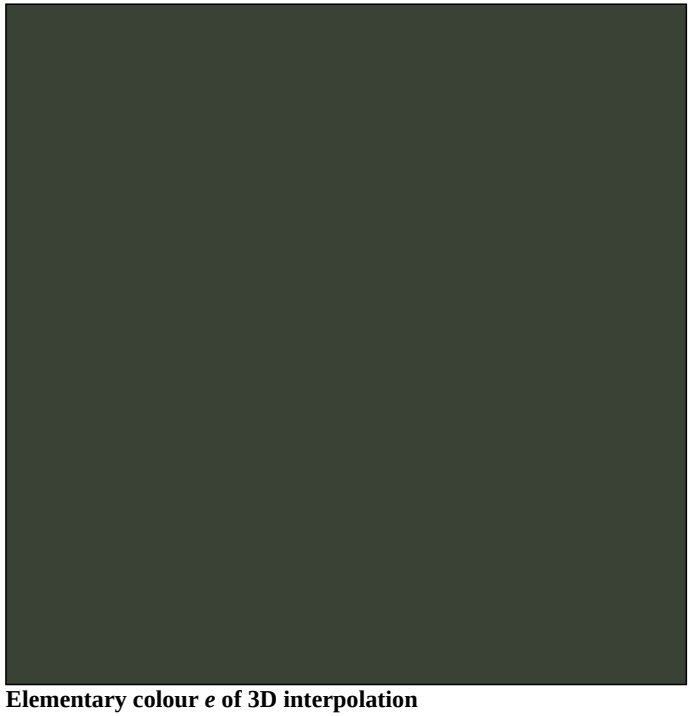
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.125	0.125	0.25	0.222	0.224	0.258	0.205
$rgb^*_{Fa,\ 8bit}$	32	64	32	32	64	57	57	66	52
L^*, C^*_{ab}, h_{ab}	33.4	56.8	178.6	35.9	7.9	162.2	45.3	11.8	113.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	49.3	49.3	3D−it:	13.0	13.0	

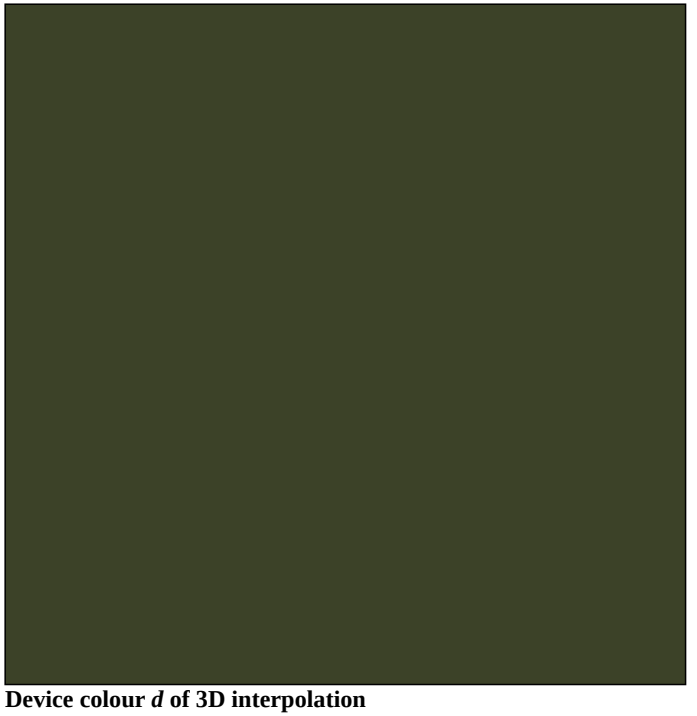
3 Colours no. *j*=100

output of the device colour *d*:

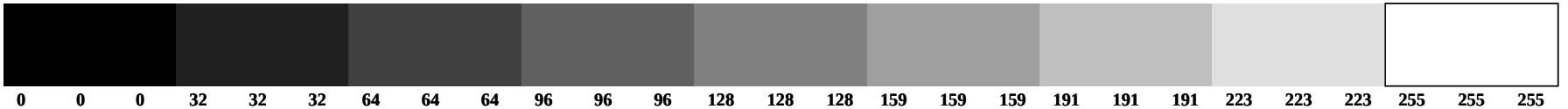
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.125	0.178	0.25	0.125	0.237	0.259	0.155
$olv^*_{Fa,\ 8bit}$	32	64	32	45	64	32	61	66	40
L^*, C^*_{ab}, h_{ab}	33.4	56.8	178.6	35.9	13.8	132.5	36.3	16.0	110.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	48.3	48.3	3D−in:	53.0	53.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
101	0.125	0.25	0.25	210.0	80.3	43.6	217.0	−34.7	−26.1	35.2	5.5	217.0	−4.3	−3.2	0.75	0.125	g50b	c08v		0.0	0.925	1.0	0.125	0.241	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
101	0.125	0.25	0.25	210.0	85.3	72.8	196.7	−69.6	−20.9	35.8	9.1	196.7	−8.6	−2.5	0.75	0.125	g31b	c00v		0.0	1.0	0.63	0.125	0.25	0.204

3 Colours no. *j*=101

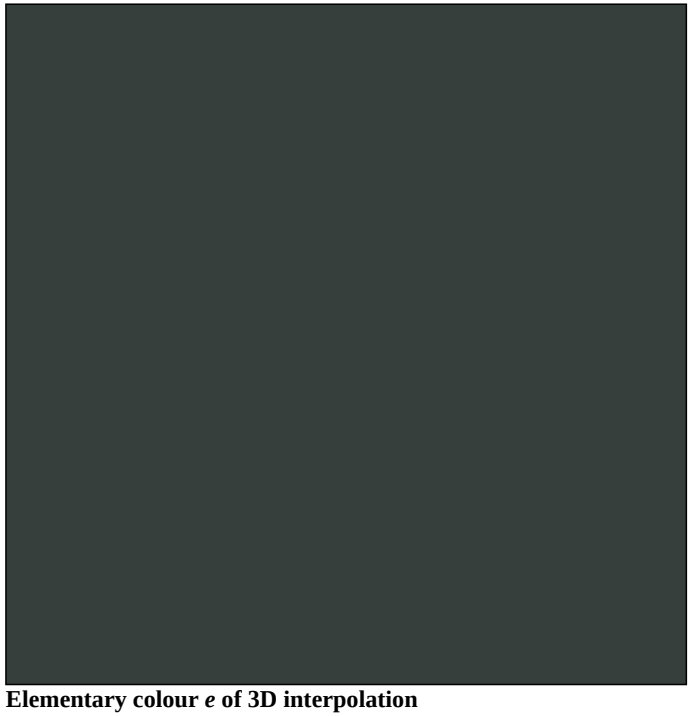
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.25	0.25	0.125	0.241	0.25	0.21	0.248	0.237
$rgb^*_{Fa,\ 8bit}$	32	64	64	32	61	64	54	63	60
L^*, C^*_{ab}, h_{ab}	34.0	11.3	218.0	35.2	5.5	217.0	36.1	3.1	281.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	5.1	5.1	

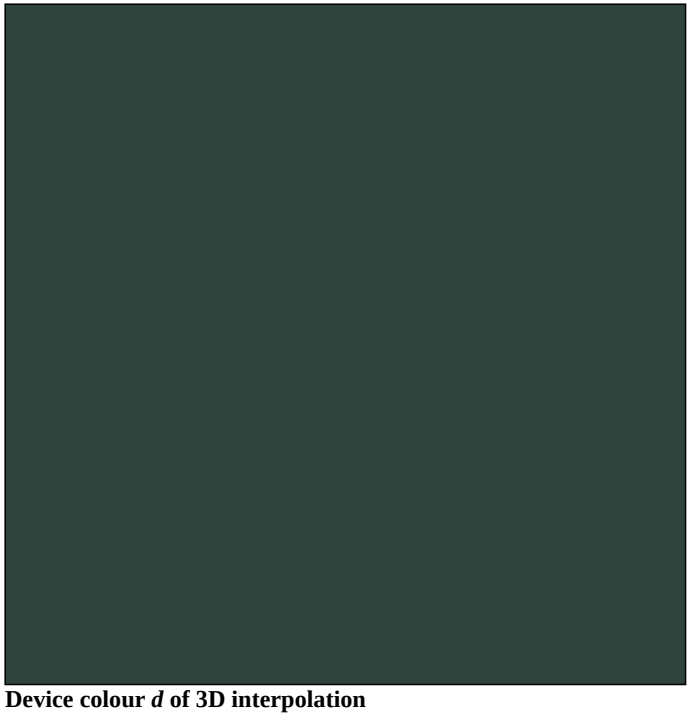
3 Colours no. *j*=101

output of the device colour *d*:

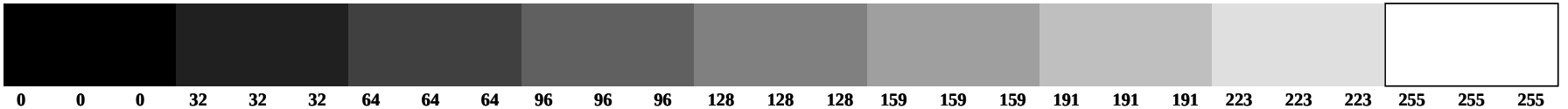
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.25	0.25	0.125	0.25	0.204	0.185	0.265	0.238
$olv^*_{Fa,\ 8bit}$	32	64	64	32	64	52	47	68	61
L^*, C^*_{ab}, h_{ab}	34.0	11.3	218.0	35.8	9.1	196.7	37.6	8.7	168.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.7	4.7	3D−in:	9.4	9.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
102	0.125	0.25	0.375	240.0	71.1	44.7	244.4	−19.2	−40.3	40.7	11.2	244.4	−4.7	−10.0	0.625	0.25	g75b	c20v		0.0	0.802	1.0	0.125	0.326	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
102	0.125	0.25	0.375	240.0	49.5	79.9	250.4	−26.7	−75.2	35.3	20.0	250.4	−6.6	−18.7	0.625	0.25	g80b	c50v		0.0	0.389	1.0	0.125	0.222	0.375

3 Colours no. *j*=102

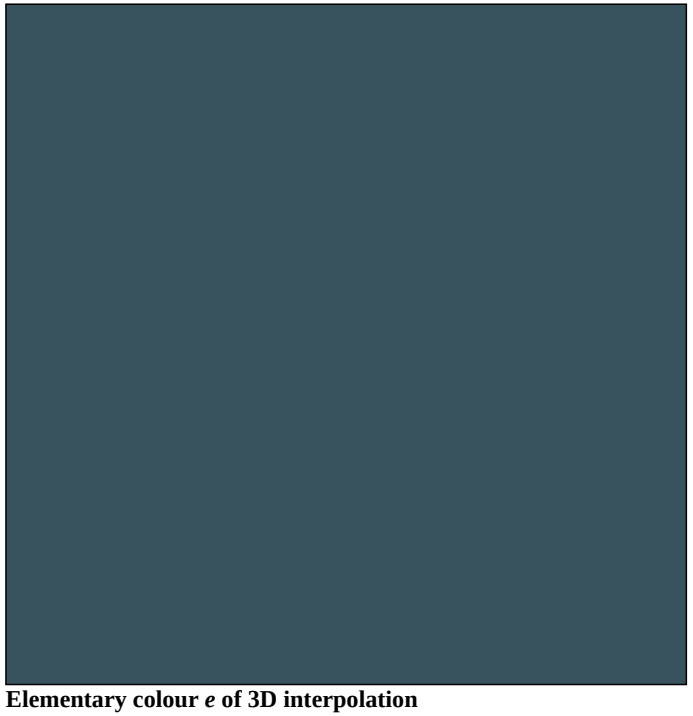
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.375	0.125	0.326	0.375	0.219	0.327	0.365
$rgb^*_{Fa,\ 8bit}$	32	64	96	32	83	96	56	83	93
L^*, C^*_{ab}, h_{ab}	34.9	20.9	266.7	40.7	11.2	244.4	44.0	6.4	256.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−it:	6.1	6.1	

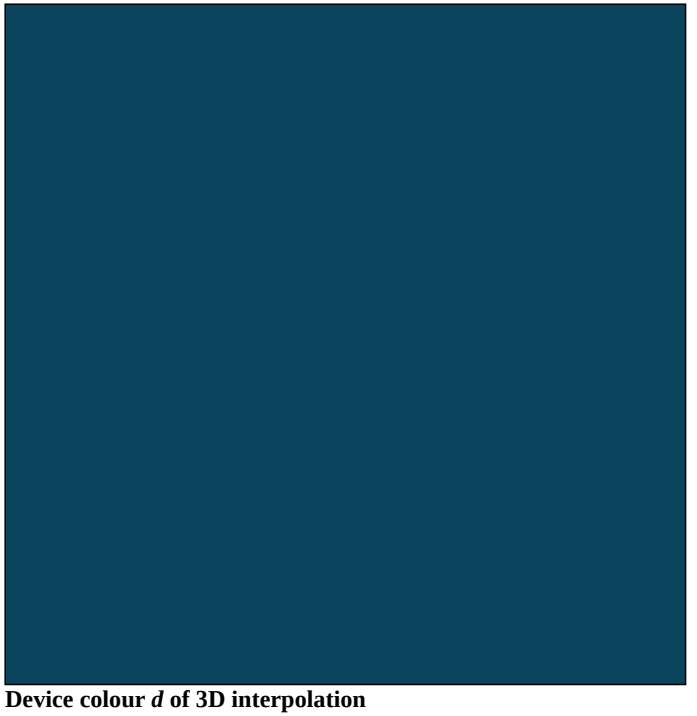
3 Colours no. *j*=102

output of the device colour *d*:

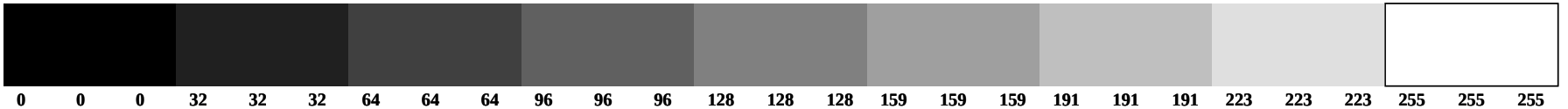
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.375	0.125	0.222	0.375	0.04	0.268	0.364
$olv^*_{Fa,\ 8bit}$	32	64	96	32	57	96	10	68	93
L^*, C^*_{ab}, h_{ab}	34.9	20.9	266.7	35.3	20.0	250.4	36.6	16.0	251.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−in:	7.1	7.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
103	0.125	0.25	0.5	250.9	67.8	46.9	254.3	−12.6	−45.0	46.2	17.6	254.3	−4.7	−16.8	0.5	0.375	g83b	c25v			0.0	0.75	1.0	0.125	0.406	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
103	0.125	0.25	0.5	250.9	35.4	119.0	269.9	−0.1	−118.9	34.0	44.6	269.9	0.0	−44.5	0.5	0.375	g97b	c68v			0.0	0.033	1.0	0.125	0.138	0.5

3 Colours no. *j*=103

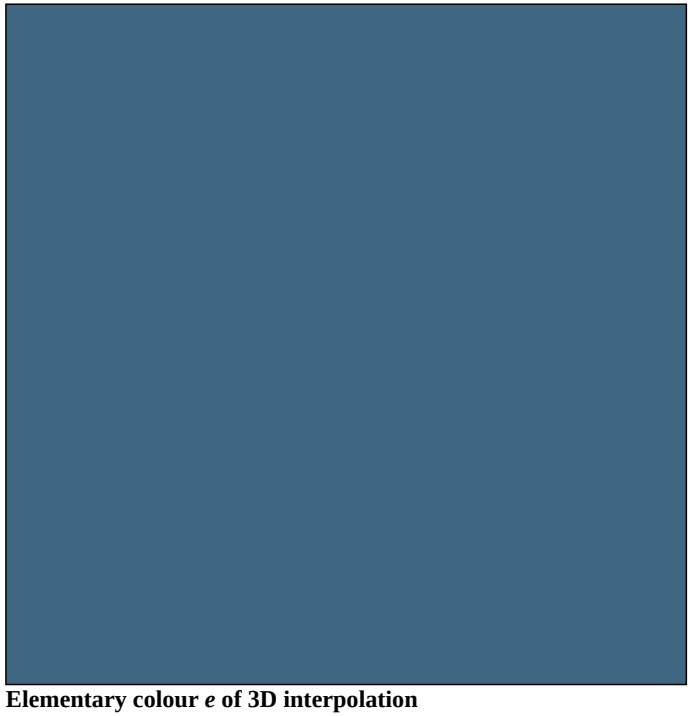
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.5	0.125	0.406	0.5	0.247	0.404	0.508
$rgb^*_{Fa,\ 8bit}$	32	64	128	32	104	128	63	103	130
L^*, C^*_{ab}, h_{ab}	35.8	33.8	281.5	46.2	17.6	254.3	47.7	15.3	263.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.5	22.5	3D−it:	3.7	3.7	

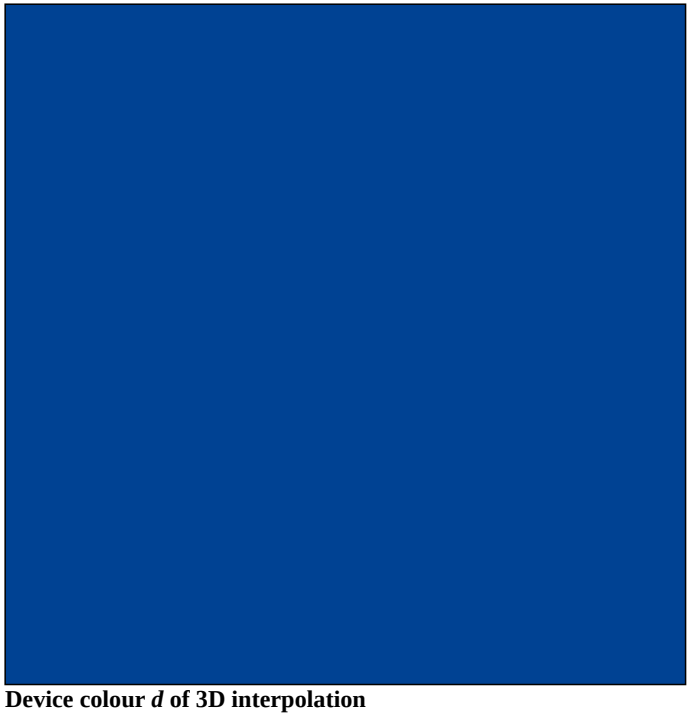
3 Colours no. *j*=103

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.5	0.125	0.138	0.5	0.0	0.258	0.577
$olv^*_{Fa,\ 8bit}$	32	64	128	32	35	128	0	66	147
L^*, C^*_{ab}, h_{ab}	35.8	33.8	281.5	34.0	44.6	269.9	44.3	43.9	274.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−in:	14.1	14.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
104	0.125	0.25	0.625	256.1	65.8	49.6	259.1	−9.3	−48.6	51.5	24.8	259.1	−4.6	−24.2	0.375	0.5	g88b	c29v		0.0	0.714	1.0	0.125	0.482	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
104	0.125	0.25	0.625	256.1	35.6	120.1	279.2	19.2	−118.5	36.3	60.1	279.2	9.6	−59.2	0.375	0.5	b06r	c77v		0.132	0.0	1.0	0.191	0.125	0.625

3 Colours no. *j*=104

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.625	0.125	0.482	0.625	0.257	0.482	0.67
$rgb^*_{Fa,\ 8bit}$	32	64	159	32	123	159	65	123	171
L^*, C^*_{ab}, h_{ab}	36.8	46.2	288.0	51.5	24.8	259.1	52.9	19.4	260.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	31.0	31.0	3D−it:	5.6	5.6

3 Colours no. *j*=104

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.625	0.191	0.125	0.625	0.0	0.275	0.749
$olv^*_{Fa,\ 8bit}$	32	64	159	49	32	159	0	70	191
L^*, C^*_{ab}, h_{ab}	36.8	46.2	288.0	36.3	60.1	279.2	46.0	55.7	284.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.0	16.0	3D−in:	13.7	13.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
105	0.125	0.25	0.75	259.1	64.7	51.2	261.8	−7.2	−50.5	56.8	32.0	261.8	−4.5	−31.5	0.25	0.625	g90b	c31v		0.0	0.693	1.0	0.125	0.558	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
105	0.125	0.25	0.75	259.1	37.0	118.8	284.6	29.9	−114.9	39.5	74.3	284.6	18.7	−71.8	0.25	0.625	b11r	c82v		0.226	0.0	1.0	0.266	0.125	0.75

3 Colours no. *j*=105

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.75	0.125	0.558	0.75	0.262	0.562	0.828
$rgb^*_{Fa,\ 8bit}$	32	64	191	32	142	191	67	143	211
L^*, C^*_{ab}, h_{ab}	38.0	58.4	291.8	56.8	32.0	261.8	60.2	31.1	269.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	39.4	39.4	3D−it:	5.4	5.4	

3 Colours no. *j*=105

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.75	0.266	0.125	0.75	0.0	0.297	0.901
$olv^*_{Fa,\ 8bit}$	32	64	191	68	32	191	0	76	230
L^*, C^*_{ab}, h_{ab}	38.0	58.4	291.8	39.5	74.3	284.6	48.8	73.1	292.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.0	18.0	3D−in:	18.4	18.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
106	0.125	0.25	0.875	261.1	64.0	52.2	263.6	−5.7	−51.7	62.1	39.1	263.6	−4.3	−38.8	0.125	0.75	g92b	c32v		0.0	0.679	1.0	0.125	0.634	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
106	0.125	0.25	0.875	261.1	38.1	117.9	288.1	36.6	−112.0	42.7	88.4	288.1	27.4	−84.0	0.125	0.75	b14r	c85v		0.287	0.0	1.0	0.34	0.125	0.875

3 Colours no. *j*=106

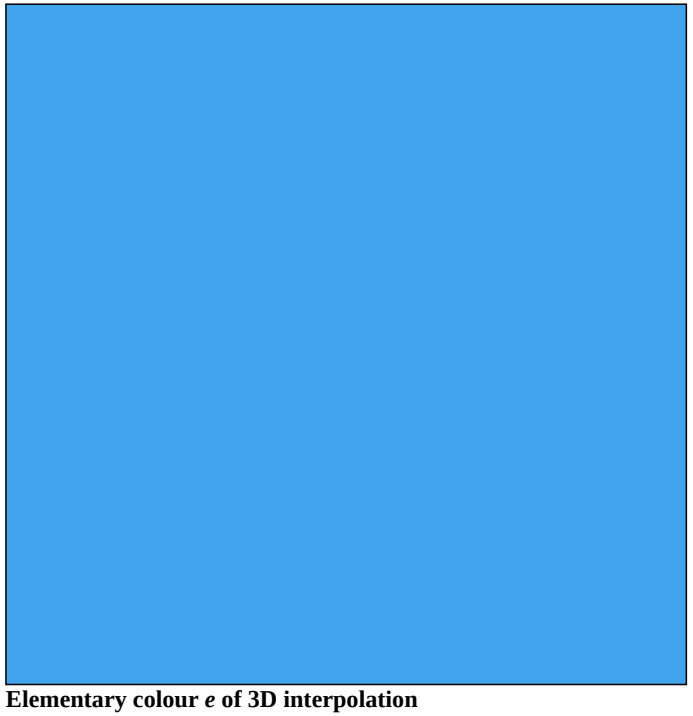
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.875	0.125	0.634	0.875	0.257	0.642	0.926
$rgb^*_{Fa,\ 8bit}$	32	64	223	32	162	223	65	164	236
L^*, C^*_{ab}, h_{ab}	39.5	71.7	294.9	62.1	39.1	263.6	69.9	36.3	265.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	48.8	48.8	3D−it:	8.3	8.3	

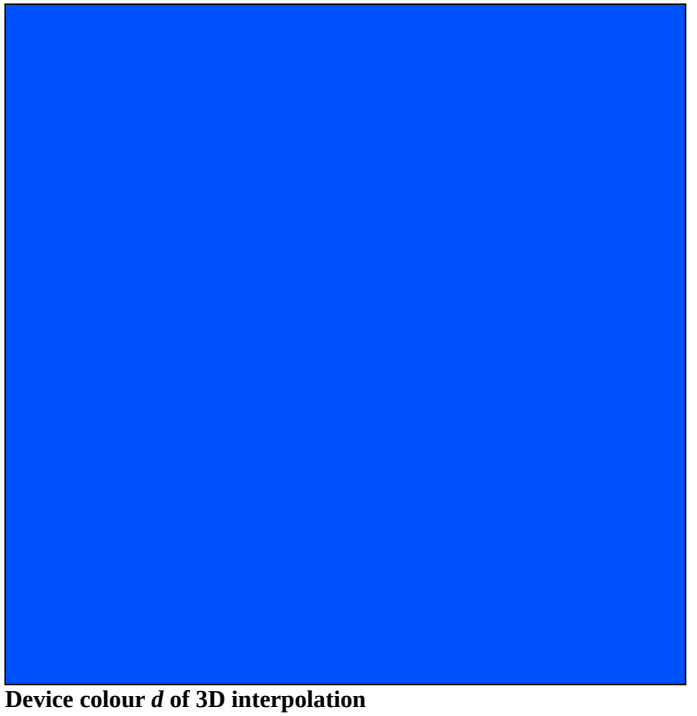
3 Colours no. *j*=106

output of the device colour *d*:

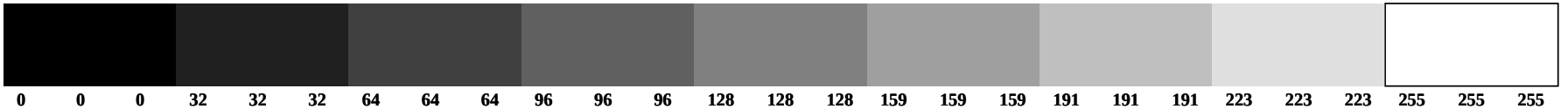
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.875	0.34	0.125	0.875	0.0	0.313	0.988
$olv^*_{Fa,\ 8bit}$	32	64	223	87	32	223	0	80	252
L^*, C^*_{ab}, h_{ab}	39.5	71.7	294.9	42.7	88.4	288.1	49.3	81.4	291.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.5	19.5	3D−in:	14.5	14.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
107	0.125	0.25	1.0	262.4	63.4	52.9	264.8	−4.7	−52.6	67.4	46.3	264.8	−4.1	−46.0	0.0	0.875	g93b	c33v		0.0	0.67	1.0	0.125	0.711	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
107	0.125	0.25	1.0	262.4	38.9	117.2	290.5	41.0	−109.7	45.9	102.5	290.5	35.9	−95.9	0.0	0.875	b16r	c87v		0.33	0.0	1.0	0.414	0.125	1.0

3 Colours no. *j*=107

output of the elementary colour *e*:

rgb input (in):									
	0.125	0.25	1.0	0.125	0.711	1.0	0.252	0.72	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	64	255	32	181	255	64	184	255
L^*, C^*_{ab}, h_{ab}	43.5	96.7	298.0	67.4	46.3	264.8	69.9	41.7	265.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	67.7	67.7	3D−it:	5.2	5.2	

3 Colours no. *j*=107

output of the device colour *d*:

rgb input (in):									
	0.125	0.25	1.0	0.414	0.125	1.0	0.0	0.251	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	64	255	105	32	255	0	64	255
L^*, C^*_{ab}, h_{ab}	43.5	96.7	298.0	45.9	102.5	290.5	48.4	96.7	298.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.6	14.6	3D−in:	4.9	4.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
108	0.125	0.375	0.0	130.9	84.6	98.1	139.9	−75.0	63.1	42.8	36.8	139.9	−28.1	23.7	0.625	0.375	j67g	l29c		0.0	1.0	0.285	0.0	0.375	0.107
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
108	0.125	0.375	0.0	130.9	87.0	107.6	122.7	−58.0	90.5	43.6	40.3	122.7	−21.7	33.9	0.625	0.375	j43g	y68l		0.565	1.0	0.0	0.212	0.375	0.0

3 Colours no. *j*=108

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.0	0.0	0.375	0.107	0.157	0.392	0.136
$rgb^*_{Fa,\ 8bit}$	32	96	0	0	96	27	40	100	35
L^*, C^*_{ab}, h_{ab}	41.2	47.0	134.1	42.8	36.8	139.9	44.2	35.7	137.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−it:	2.3	2.3	

3 Colours no. *j*=108

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.0	0.212	0.375	0.0	0.194	0.401	0.072
$olv^*_{Fa,\ 8bit}$	32	96	0	54	96	0	50	102	18
L^*, C^*_{ab}, h_{ab}	41.2	47.0	134.1	43.6	40.3	122.7	51.8	43.9	119.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	16.0	16.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
109	0.125	0.375	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	44.4	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
109	0.125	0.375	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	44.5	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.25	j99g	l77c		0.0	1.0	0.774	0.125	0.375	0.319
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.25	j57g	y100l		0.425	1.0	0.0	0.231	0.375	0.125

3 Colours no. *j*=109

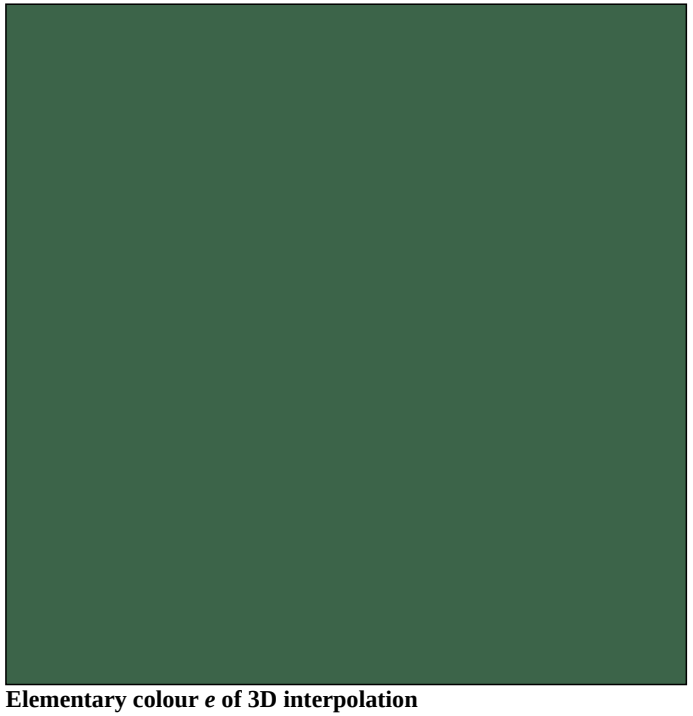
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.125	0.125	0.375	0.319	0.234	0.393	0.287
$rgb^*_{Fa,\ 8bit}$	32	96	32	32	96	81	60	100	73
L^*, C^*_{ab}, h_{ab}	41.4	37.9	142.2	44.4	15.9	162.2	45.3	15.9	151.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.8	23.8	3D−it:	3.2	3.2	

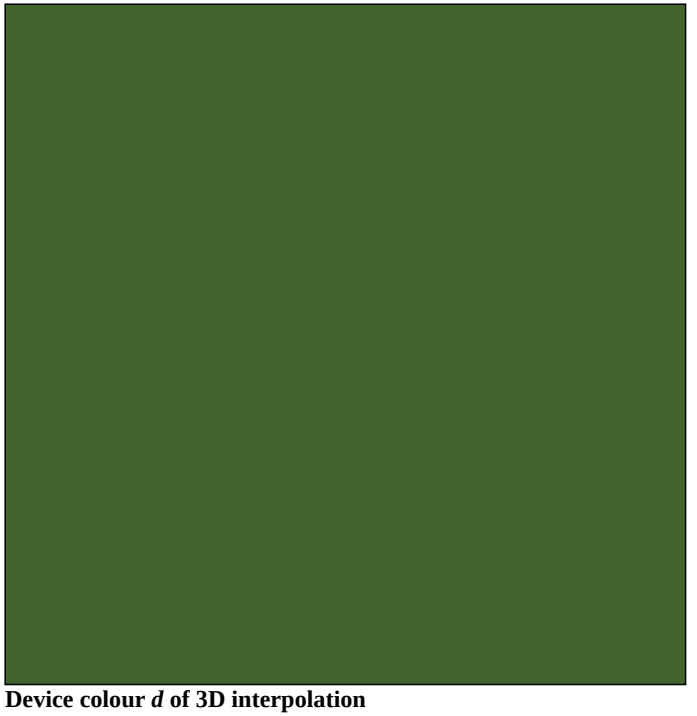
3 Colours no. *j*=109

output of the device colour *d*:

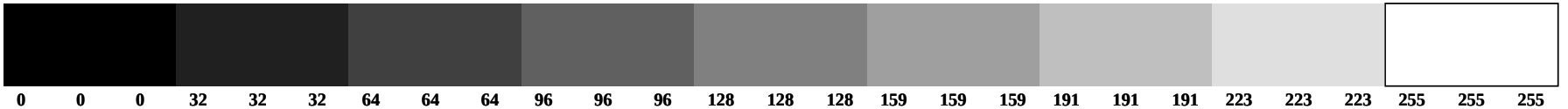
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.125	0.231	0.375	0.125	0.259	0.396	0.176
$olv^*_{Fa,\ 8bit}$	32	96	32	59	96	32	66	101	45
L^*, C^*_{ab}, h_{ab}	41.4	37.9	142.2	44.5	27.7	132.5	45.9	31.3	124.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	13.3	13.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
110	0.125	0.375	0.25	180.0	87.0	49.2	189.6	−48.4	−8.1	44.7	12.3	189.6	−12.0	−2.0	0.625	0.25	g25b	l97c		0.0	1.0	0.967	0.125	0.375	0.367
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
110	0.125	0.375	0.25	180.0	84.4	116.1	164.6	−111.8	30.8	44.1	29.0	164.6	−27.9	7.7	0.625	0.25	g02b	l50c		0.0	1.0	0.043	0.125	0.375	0.136

3 Colours no. *j*=110

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.25	0.125	0.375	0.367	0.238	0.394	0.351
$rgb^*_{Fa,\ 8bit}$	32	96	64	32	96	94	61	101	89
L^*, C^*_{ab}, h_{ab}	41.9	23.6	167.4	44.7	12.3	189.6	45.4	8.5	165.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.4	13.4	3D−it:	5.8	5.8	

3 Colours no. *j*=110

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.25	0.125	0.375	0.136	0.073	0.416	0.256
$olv^*_{Fa,\ 8bit}$	32	96	64	32	96	35	19	106	65
L^*, C^*_{ab}, h_{ab}	41.9	23.6	167.4	44.1	29.0	164.6	46.8	29.4	156.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−in:	9.0	9.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
111	0.125	0.375	0.375	210.0	80.3	43.6	217.0	−34.7	−26.1	43.0	10.9	217.0	−8.6	−6.5	0.625	0.25	g50b	c08v		0.0	0.925	1.0	0.125	0.356	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
111	0.125	0.375	0.375	210.0	85.3	72.8	196.7	−69.6	−20.8	44.3	18.2	196.7	−17.3	−5.1	0.625	0.25	g31b	c00v		0.0	1.0	0.63	0.125	0.375	0.283

3 Colours no. *j*=111

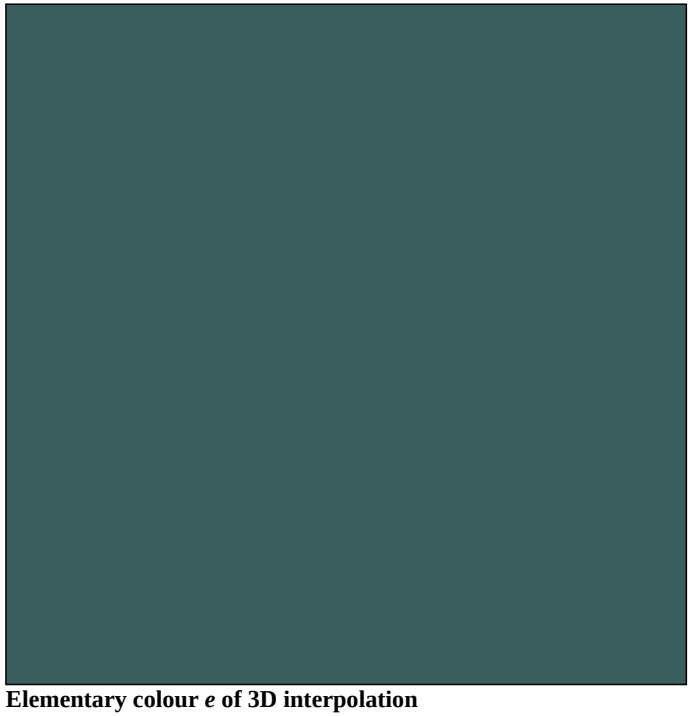
output of the elementary colour *e*:

rgb input (in):									
	0.125	0.375	0.375	0.125	0.356	0.375	0.229	0.365	0.366
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	32	96	96	32	91	96	58	93	93
L^*, C^*_{ab}, h_{ab}	42.5	18.3	208.3	43.0	10.9	217.0	44.0	10.3	217.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	1.2	1.2	

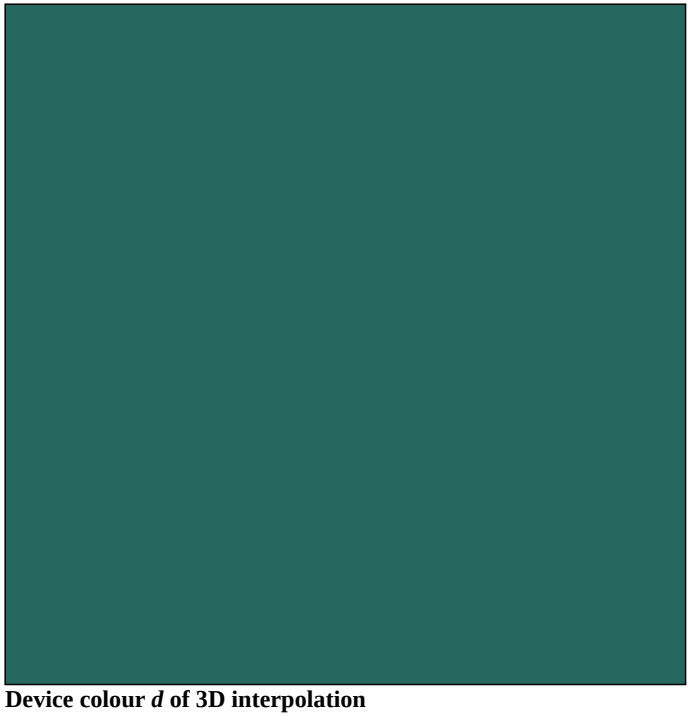
3 Colours no. *j*=111

output of the device colour *d*:

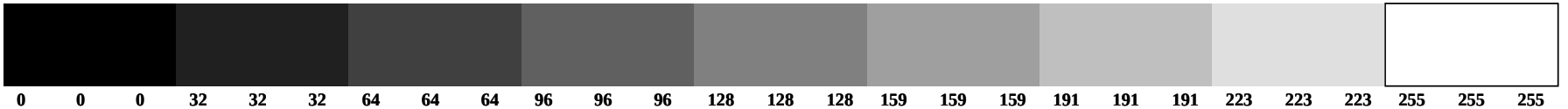
rgb input (in):									
	0.125	0.375	0.375	0.125	0.375	0.283	0.15	0.402	0.371
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	32	96	96	32	96	72	38	103	95
L^*, C^*_{ab}, h_{ab}	42.5	18.3	208.3	44.3	18.2	196.7	46.1	16.2	186.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.1	4.1	3D−in:	7.7	7.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
112	0.125	0.375	0.5	229.1	74.4	42.6	234.4	−24.7	−34.6	48.6	16.0	234.4	−9.2	−12.9	0.5	0.375	g66b	c15v		0.0	0.854	1.0	0.125	0.445	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
112	0.125	0.375	0.5	229.1	67.5	47.2	230.9	−29.7	−36.6	46.1	17.7	230.9	−11.1	−13.6	0.5	0.375	g62b	c32v		0.0	0.746	1.0	0.125	0.405	0.5

3 Colours no. *j*=112

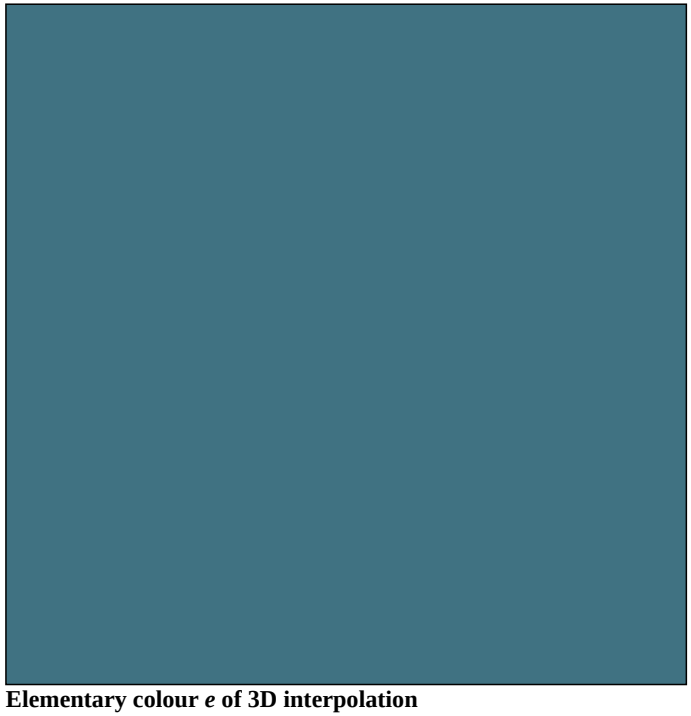
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.5	0.125	0.445	0.5	0.251	0.447	0.508
$rgb^*_{Fa,\ 8bit}$	32	96	128	32	114	128	64	114	130
L^*, C^*_{ab}, h_{ab}	43.2	23.0	247.3	48.6	16.0	234.4	53.7	10.1	254.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−it:	8.9	8.9	

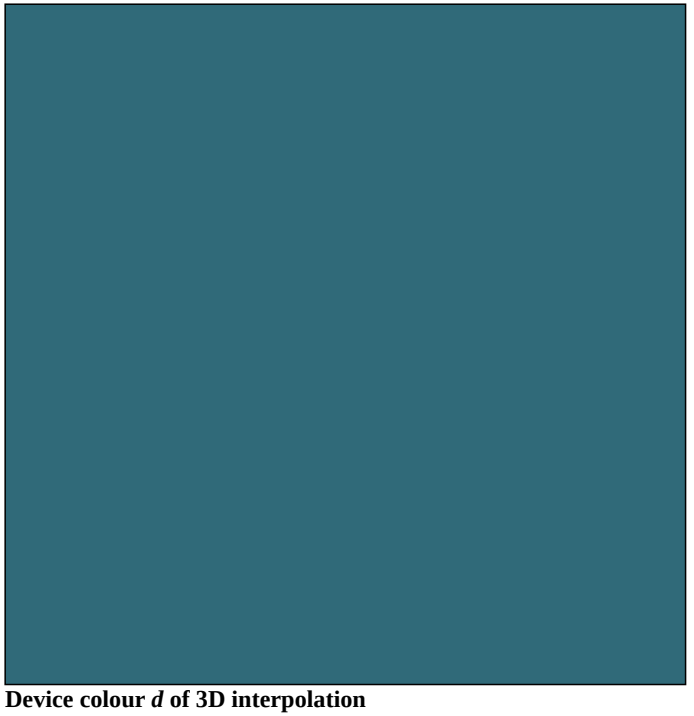
3 Colours no. *j*=112

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.5	0.125	0.405	0.5	0.187	0.417	0.476
$olv^*_{Fa,\ 8bit}$	32	96	128	32	103	128	48	106	121
L^*, C^*_{ab}, h_{ab}	43.2	23.0	247.3	46.1	17.7	230.9	52.2	13.0	222.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	15.4	15.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
113	0.125	0.375	0.625	240.0	71.1	44.7	244.4	−19.3	−40.2	54.1	22.4	244.4	−9.6	−20.1	0.375	0.5	g75b	c20v		0.0	0.802	1.0	0.125	0.526	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
113	0.125	0.375	0.625	240.0	49.5	79.9	250.4	−26.7	−75.1	43.3	39.9	250.4	−13.3	−37.5	0.375	0.5	g80b	c50v		0.0	0.39	1.0	0.125	0.32	0.625

3 Colours no. *j*=113

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.625	0.125	0.526	0.625	0.258	0.53	0.67
$rgb^*_{Fa,\ 8bit}$	32	96	159	32	134	159	66	135	171
L^*, C^*_{ab}, h_{ab}	43.9	32.2	267.0	54.1	22.4	244.4	56.0	21.0	243.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.6	17.6	3D−it:	2.4	2.4	

3 Colours no. *j*=113

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.625	0.125	0.32	0.625	0.0	0.401	0.624
$olv^*_{Fa,\ 8bit}$	32	96	159	32	82	159	0	102	159
L^*, C^*_{ab}, h_{ab}	43.9	32.2	267.0	43.3	39.9	250.4	52.4	33.1	254.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−in:	11.1	11.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
114	0.125	0.375	0.75	246.6	69.1	46.0	250.4	−15.4	−43.3	59.5	28.8	250.4	−9.6	−27.0	0.25	0.625	g80b	c23v		0.0	0.771	1.0	0.125	0.607	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
114	0.125	0.375	0.75	246.6	39.5	106.9	262.2	−14.4	−105.8	41.0	66.8	262.2	−9.0	−66.1	0.25	0.625	g90b	c61v		0.0	0.174	1.0	0.125	0.234	0.75

3 Colours no. *j*=114

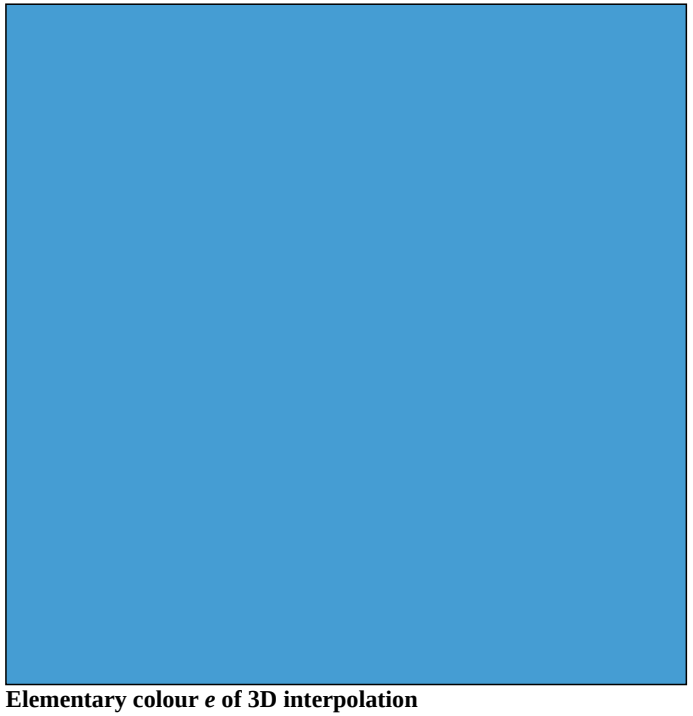
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.75	0.125	0.607	0.75	0.27	0.614	0.827
$rgb^*_{Fa,\ 8bit}$	32	96	191	32	155	191	69	157	211
L^*, C^*_{ab}, h_{ab}	44.9	43.1	277.4	59.5	28.8	250.4	60.2	24.7	249.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.3	26.3	3D−it:	4.2	4.2	

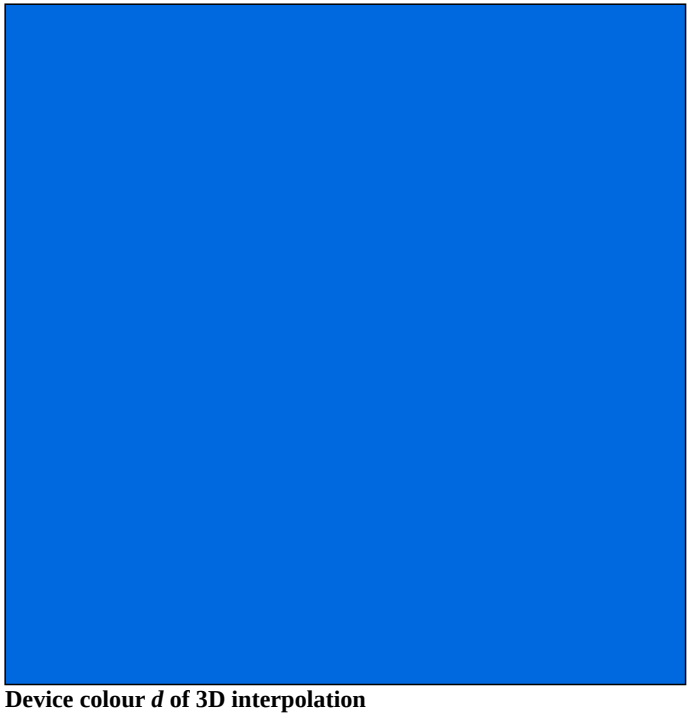
3 Colours no. *j*=114

output of the device colour *d*:

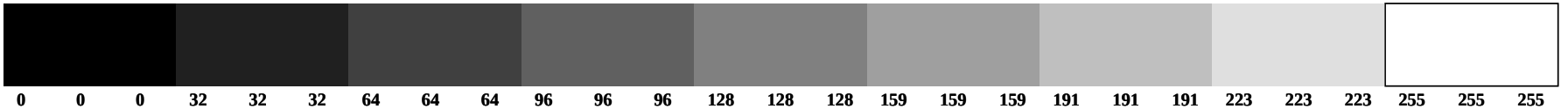
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.75	0.125	0.234	0.75	0.0	0.411	0.875
$olv^*_{Fa,\ 8bit}$	32	96	191	32	60	191	0	105	223
L^*, C^*_{ab}, h_{ab}	44.9	43.1	277.4	41.0	66.8	262.2	63.5	53.1	281.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	27.9	27.9	3D−in:	21.4	21.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
115	0.125	0.375	0.875	250.9	67.8	46.9	254.3	−12.6	−45.0	65.0	35.2	254.3	−9.4	−33.8	0.125	0.75	g83b	c25v		0.0	0.75	1.0	0.125	0.688	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
115	0.125	0.375	0.875	250.9	35.4	119.0	269.9	−0.1	−118.9	40.7	89.2	269.9	−0.1	−89.1	0.125	0.75	g97b	c68v		0.0	0.034	1.0	0.125	0.15	0.875

3 Colours no. *j*=115

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.875	0.125	0.688	0.875	0.268	0.694	0.925
$rgb^*_{Fa,\ 8bit}$	32	96	223	32	175	223	68	177	236
L^*, C^*_{ab}, h_{ab}	46.0	55.7	284.3	65.0	35.2	254.3	69.8	32.3	254.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.2	36.2	3D−it:	5.6	5.6	

3 Colours no. *j*=115

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.875	0.125	0.15	0.875	0.0	0.502	1.0
$olv^*_{Fa,\ 8bit}$	32	96	223	32	38	223	0	128	255
L^*, C^*_{ab}, h_{ab}	46.0	55.7	284.3	40.7	89.2	269.9	59.4	65.3	295.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	38.3	38.3	3D−in:	20.5	20.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
116	0.125	0.375	1.0	253.9	66.6	48.4	257.0	−10.8	−47.1	70.2	42.4	257.0	−9.4	−41.2	0.0	0.875	g86b	c27v		0.0	0.729	1.0	0.125	0.763	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
116	0.125	0.375	1.0	253.9	35.1	120.6	275.3	11.1	−120.0	42.6	105.6	275.3	9.7	−105.0	0.0	0.875	b03r	c73v		0.062	0.0	1.0	0.179	0.125	1.0

3 Colours no. *j*=116

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	1.0	0.125	0.763	1.0	0.257	0.77	1.0
$rgb^*_{Fa,\ 8bit}$	32	96	255	32	195	255	66	196	255
L^*, C^*_{ab}, h_{ab}	49.3	81.4	291.7	70.2	42.4	257.0	71.6	40.1	259.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	56.4	56.4	3D−it:	3.1	3.1	

3 Colours no. *j*=116

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	1.0	0.179	0.125	1.0	0.0	0.376	1.0
$olv^*_{Fa,\ 8bit}$	32	96	255	46	32	255	0	96	255
L^*, C^*_{ab}, h_{ab}	49.3	81.4	291.7	42.6	105.6	275.3	52.1	80.0	297.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.5	36.5	3D−in:	9.1	9.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
117	0.125	0.5	0.0	136.1	84.9	85.4	146.0	−70.8	47.8	51.3	42.7	146.0	−35.3	23.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
117	0.125	0.5	0.0	136.1	86.7	108.4	125.4	−62.7	88.4	52.2	54.2	125.4	−31.3	44.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	j76g	l45c		0.0	1.0	0.449	0.0	0.5	0.224
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	j47g	y77l		0.527	1.0	0.0	0.263	0.5	0.0

3 Colours no. *j*=117

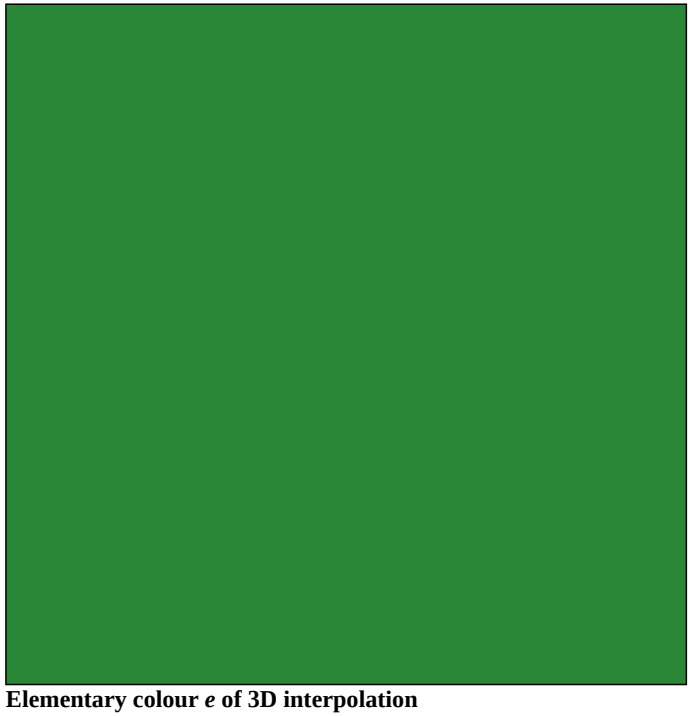
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	0.0	0.0	0.5	0.224	0.168	0.529	0.219
$rgb^*_{Fa,\ 8bit}$	32	128	0	0	128	57	43	135	56
L^*, C^*_{ab}, h_{ab}	48.8	61.1	134.3	51.3	42.7	146.0	58.7	41.9	133.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.3	21.3	3D−it:	11.9	11.9

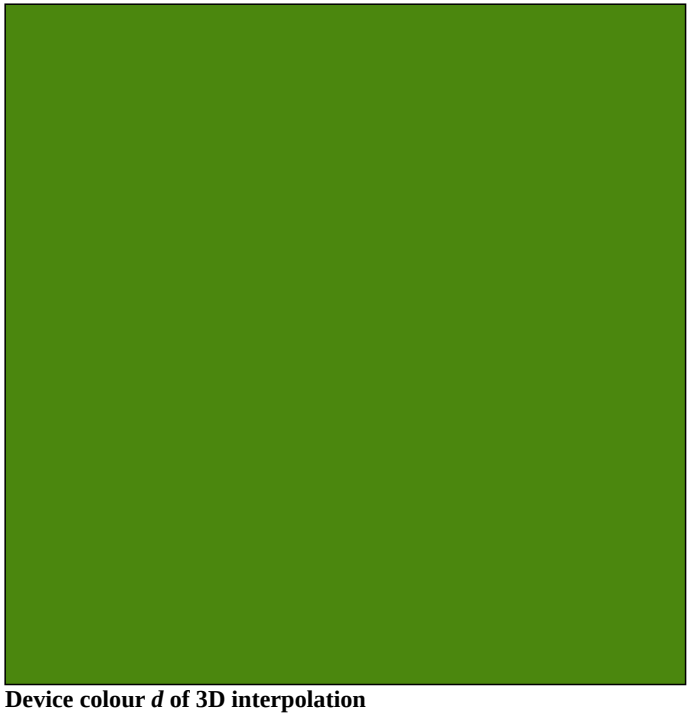
3 Colours no. *j*=117

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	0.0	0.263	0.5	0.0	0.296	0.528	0.055
$olv^*_{Fa,\ 8bit}$	32	128	0	67	128	0	75	135	14
L^*, C^*_{ab}, h_{ab}	48.8	61.1	134.3	52.2	54.2	125.4	54.2	54.3	122.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.8	11.8	3D−in:	14.7	14.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
118	0.125	0.5	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	52.9	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
118	0.125	0.5	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	53.0	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.375	j99g	l77c		0.0	1.0	0.774	0.125	0.5	0.415
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.375	j57g	y100l		0.425	1.0	0.0	0.284	0.5	0.125

3 Colours no. *j*=118

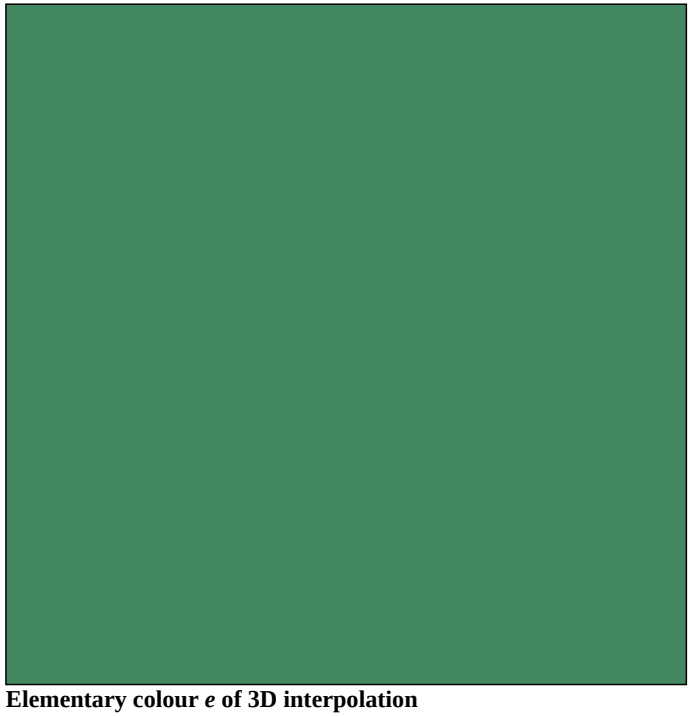
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	0.125	0.125	0.5	0.415	0.261	0.532	0.382
$rgb^*_{Fa,\ 8bit}$	32	128	32	32	128	106	66	136	97
L^*, C^*_{ab}, h_{ab}	49.0	52.6	139.9	52.9	23.8	162.2	54.7	23.3	155.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	32.1	32.1	3D−it:	3.4	3.4

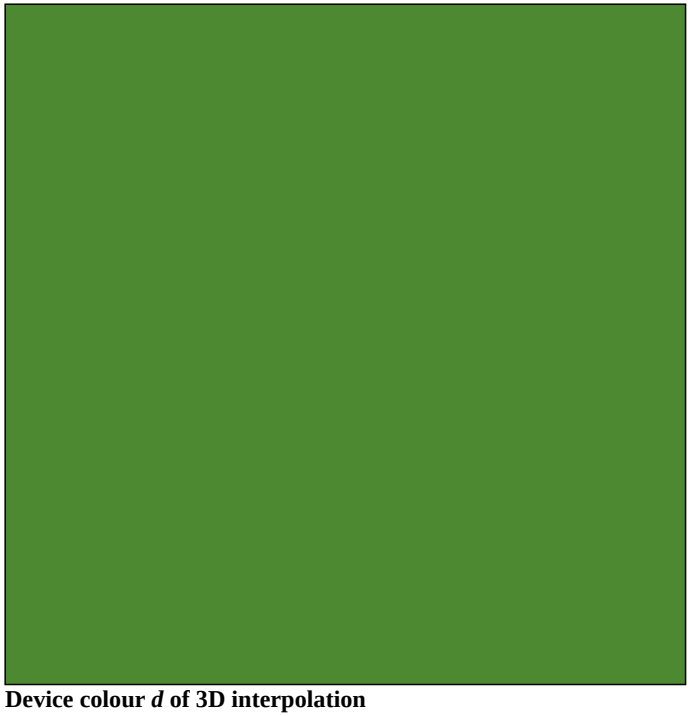
3 Colours no. *j*=118

output of the device colour *d*:

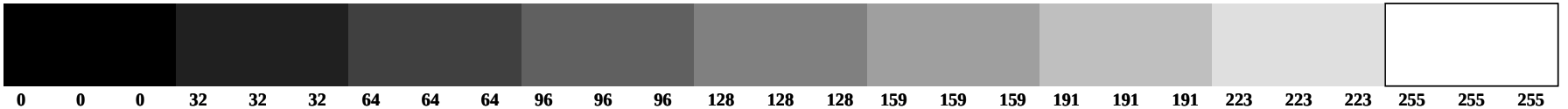
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	0.125	0.284	0.5	0.125	0.303	0.536	0.19
$olv^*_{Fa,\ 8bit}$	32	128	32	73	128	32	77	137	49
L^*, C^*_{ab}, h_{ab}	49.0	52.6	139.9	53.0	41.5	132.5	58.7	41.2	131.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.3	13.3	3D−in:	16.5	16.5



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
119	0.125	0.5	0.25	169.1	86.5	53.1	179.7	−53.0	0.3	53.2	19.9	179.7	−19.8	0.1	0.5	0.375	g16b	l92c		0.0	1.0	0.921	0.125	0.5	0.47
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
119	0.125	0.5	0.25	169.1	84.6	116.8	152.9	−103.9	53.2	52.5	43.8	152.9	−38.9	19.9	0.5	0.375	j86g	l32c		0.133	1.0	0.0	0.175	0.5	0.125

3 Colours no. *j*=119

output of the elementary colour *e*:

rgb input (in):									
	0.125	0.5	0.25	0.125	0.5	0.47	0.26	0.533	0.453
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	128	64	32	128	120	66	136	115
L^*, C^*_{ab}, h_{ab}	49.4	38.2	154.6	53.2	19.9	179.7	55.3	19.2	165.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.2	22.2	3D−it:	5.4	5.4	

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
	0.125	0.5	0.25	0.175	0.5	0.125	0.102	0.556	0.26
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	128	64	45	128	32	26	142	66
L^*, C^*_{ab}, h_{ab}	49.4	38.2	154.6	52.5	43.8	152.9	55.5	41.8	145.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−in:	9.4	9.4	

3 Colours no. *j*=119

output of the device colour *d*:

rgb input (in):									
	0.125	0.5	0.25	0.175	0.5	0.125	0.102	0.556	0.26
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	128	64	45	128	32	26	142	66
L^*, C^*_{ab}, h_{ab}	49.4	38.2	154.6	52.5	43.8	152.9	55.5	41.8	145.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−in:	9.4	9.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
120	0.125	0.5	0.375	190.9	86.3	46.0	199.5	−43.3	−15.3	53.1	17.3	199.5	−16.2	−5.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
120	0.125	0.5	0.375	190.9	84.6	100.4	176.3	−100.16.5		52.5	37.6	176.3	−37.5	2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.375	g33b	c01v		0.0	0.989	1.0	0.125	0.496	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.375	g13b	l68c		0.0	1.0	0.256	0.125	0.5	0.221

3 Colours no. *j*=120

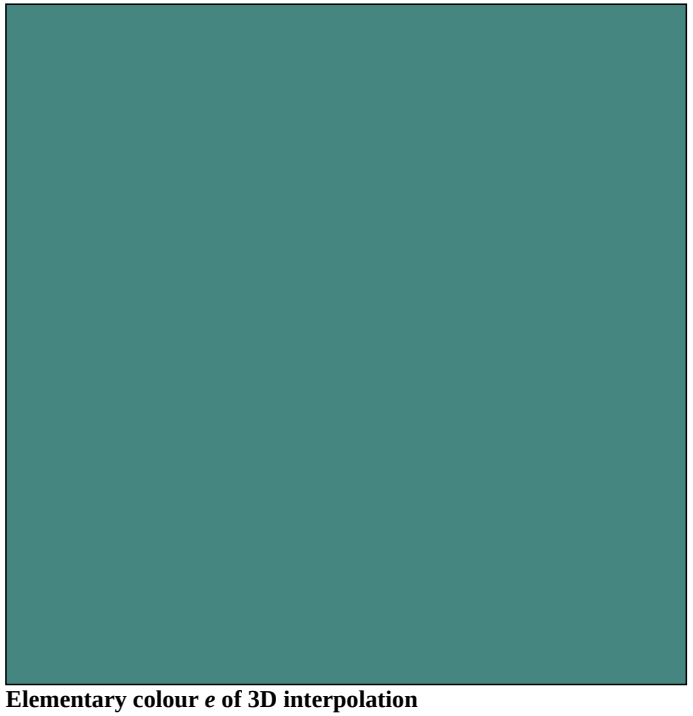
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	0.375	0.125	0.496	0.5	0.271	0.525	0.507
$rgb^*_{Fa,\ 8bit}$	32	128	96	32	126	128	69	134	129
L^*, C^*_{ab}, h_{ab}	49.8	28.7	174.6	53.1	17.3	199.5	54.6	16.1	194.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.3	15.3	3D−it:	2.5	2.5

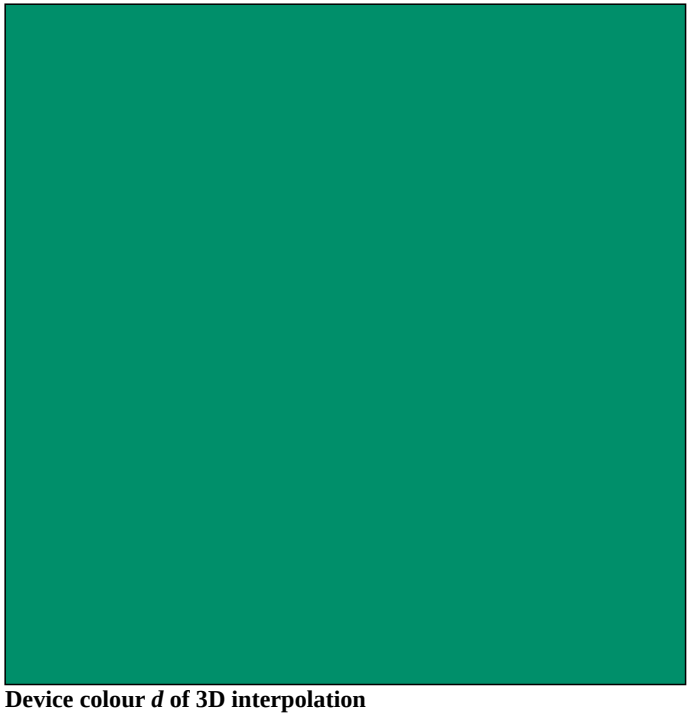
3 Colours no. *j*=120

output of the device colour *d*:

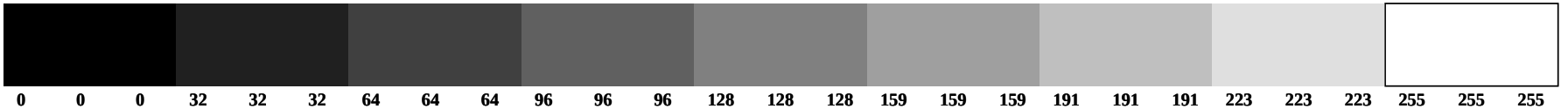
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	0.375	0.125	0.5	0.221	0.0	0.562	0.416
$olv^*_{Fa,\ 8bit}$	32	128	96	32	128	56	0	143	106
L^*, C^*_{ab}, h_{ab}	49.8	28.7	174.6	52.5	37.6	176.3	57.2	33.3	173.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.4	9.4	3D−in:	8.7	8.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
121	0.125	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	50.9	16.4	217.0	−13.0	−9.7	0.5	0.375	g50b	c08v		0.0	0.925	1.0	0.125	0.472	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
121	0.125	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.8	52.7	27.3	196.7	−26.0	−7.8	0.5	0.375	g31b	c00v		0.0	1.0	0.63	0.125	0.5	0.361

3 Colours no. *j*=121

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	0.5	0.125	0.472	0.5	0.256	0.487	0.512
$rgb^*_{Fa,\ 8bit}$	32	128	128	32	120	128	65	124	131
L^*, C^*_{ab}, h_{ab}	50.4	24.2	203.6	50.9	16.4	217.0	51.6	13.0	215.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−it:	3.4	3.4	

3 Colours no. *j*=121

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	0.5	0.125	0.5	0.361	0.079	0.546	0.52
$olv^*_{Fa,\ 8bit}$	32	128	128	32	128	92	20	139	133
L^*, C^*_{ab}, h_{ab}	50.4	24.2	203.6	52.7	27.3	196.7	55.1	22.9	195.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−in:	5.9	5.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
122	0.125	0.5	0.625	223.9	75.9	41.9	229.7	−27.0	−31.8	56.5	20.9	229.7	−13.4	−15.9	0.375	0.5	g61b	c12v		0.0	0.878	1.0	0.125	0.564	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
122	0.125	0.5	0.625	223.9	79.5	43.3	221.6	−32.3	−28.6	58.3	21.6	221.6	−16.1	−14.3	0.375	0.5	g54b	c23v		0.0	0.916	1.0	0.125	0.583	0.625

3 Colours no. *j*=122

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	0.625	0.125	0.564	0.625	0.272	0.574	0.667
$rgb^*_{Fa,\ 8bit}$	32	128	159	32	144	159	69	146	170
L^*, C^*_{ab}, h_{ab}	51.0	26.0	233.0	56.5	20.9	229.7	60.5	17.5	236.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.6	7.6	3D−it:	5.8	5.8

3 Colours no. *j*=122

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	0.625	0.125	0.583	0.625	0.273	0.606	0.68
$olv^*_{Fa,\ 8bit}$	32	128	159	32	149	159	70	155	173
L^*, C^*_{ab}, h_{ab}	51.0	26.0	233.0	58.3	21.6	221.6	59.3	18.4	210.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.7	9.7	3D−in:	14.0	14.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
123	0.125	0.5	0.75	233.4	73.1	43.5	238.4	−22.7	−36.9	62.0	27.2	238.4	−14.1	−23.0	0.25	0.625	g69b	c17v		0.0	0.834	1.0	0.125	0.646	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
123	0.125	0.5	0.75	233.4	60.1	58.1	238.6	−30.1	−49.5	53.9	36.3	238.6	−18.8	−30.9	0.25	0.625	g69b	c39v		0.0	0.605	1.0	0.125	0.503	0.75

3 Colours no. *j*=123

output of the elementary colour *e*:

rgb input (in):									
	0.125	0.5	0.75	0.125	0.646	0.75	0.269	0.66	0.827
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	128	191	32	165	191	68	168	211
L^*, C^*_{ab}, h_{ab}	52.4	33.1	254.5	62.0	27.2	238.4	64.7	23.1	236.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.1	14.1	3D−it:	4.9	4.9	

linear interpolation (it): 3D interpolation (3D):

3 Colours no. *j*=123

output of the device colour *d*:

rgb input (in):									
	0.125	0.5	0.75	0.125	0.503	0.75	0.0	0.567	0.781
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	128	191	32	128	191	0	145	199
L^*, C^*_{ab}, h_{ab}	52.4	33.1	254.5	53.9	36.3	238.6	59.2	32.1	245.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−in:	8.6	8.6	

linear interpolation (it): 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
124	0.125	0.5	0.875	240.0	71.1	44.7	244.4	−19.3	−40.2	67.4	33.6	244.4	−14.4	−30.2	0.125	0.75	g75b	c20v		0.0	0.802	1.0	0.125	0.727	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
124	0.125	0.5	0.875	240.0	49.5	79.8	250.4	−26.7	−75.1	51.3	59.9	250.4	−20.0	−56.3	0.125	0.75	g80b	c50v		0.0	0.39	1.0	0.125	0.417	0.875

3 Colours no. *j*=124

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	0.875	0.125	0.727	0.875	0.26	0.741	0.926
$rgb^*_{Fa,\ 8bit}$	32	128	223	32	185	223	66	189	236
L^*, C^*_{ab}, h_{ab}	52.8	43.2	269.0	67.4	33.6	244.4	74.7	30.6	253.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.9	23.9	3D−it:	9.3	9.3	

3 Colours no. *j*=124

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	0.875	0.125	0.417	0.875	0.0	0.624	0.921
$olv^*_{Fa,\ 8bit}$	32	128	223	32	106	223	0	159	235
L^*, C^*_{ab}, h_{ab}	52.8	43.2	269.0	51.3	59.9	250.4	69.9	41.7	265.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.5	23.5	3D−in:	17.3	17.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
125	0.125	0.5	1.0	244.7	69.6	45.7	248.7	−16.5	−42.4	72.9	40.0	248.7	−14.4	−37.1	0.0	0.875	g78b	c22v		0.0	0.78	1.0	0.125	0.807	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
125	0.125	0.5	1.0	244.7	42.2	98.9	258.8	−19.1	−96.9	48.9	86.5	258.8	−16.7	−84.8	0.0	0.875	g87b	c58v		0.0	0.236	1.0	0.125	0.331	1.0

3 Colours no. *j*=125

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	1.0	0.125	0.807	1.0	0.251	0.813	1.0
$rgb^*_{Fa,\ 8bit}$	32	128	255	32	206	255	64	207	255
L^*, C^*_{ab}, h_{ab}	55.4	67.3	283.3	72.9	40.0	248.7	77.4	31.5	248.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	44.8	44.8	3D−it:	9.6	9.6

3 Colours no. *j*=125

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	1.0	0.125	0.331	1.0	0.0	0.545	1.0
$olv^*_{Fa,\ 8bit}$	32	128	255	32	84	255	0	139	255
L^*, C^*_{ab}, h_{ab}	55.4	67.3	283.3	48.9	86.5	258.8	64.9	52.2	287.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	38.2	38.2	3D−in:	18.4	18.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
126	0.125	0.625	0.0	139.1	85.1	79.3	149.5	−68.3	40.2	59.8	49.6	149.5	−42.6	25.1	0.375	0.625	j81g	l53c		0.0	1.0	0.533	0.0	0.625	0.333
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
126	0.125	0.625	0.0	139.1	86.5	108.9	126.9	−65.3	87.0	60.7	68.0	126.9	−40.8	54.4	0.375	0.625	j49g	y82l		0.505	1.0	0.0	0.316	0.625	0.0

3 Colours no. *j*=126

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.0	0.0	0.625	0.333	0.17	0.672	0.311
$rgb^*_{Fa,\ 8bit}$	32	159	0	0	159	85	43	171	79
L^*, C^*_{ab}, h_{ab}	56.0	73.3	134.1	59.8	49.6	149.5	63.2	49.4	147.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.0	29.0	3D−it:	4.0	4.0	

3 Colours no. *j*=126

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.0	0.316	0.625	0.0	0.328	0.673	0.064
$olv^*_{Fa,\ 8bit}$	32	159	0	80	159	0	84	172	16
L^*, C^*_{ab}, h_{ab}	56.0	73.3	134.1	60.7	68.0	126.9	64.4	66.6	125.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−in:	15.3	15.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
127	0.125	0.625	0.125	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
127	0.125	0.625	0.125	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
61.4	31.8	162.2	−30.1	9.7
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
61.5	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.5	j99g	l77c		0.0	1.0	0.774	0.125	0.625	0.512
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.5	j57g	y100l		0.425	1.0	0.0	0.338	0.625	0.125

3 Colours no. *j*=127

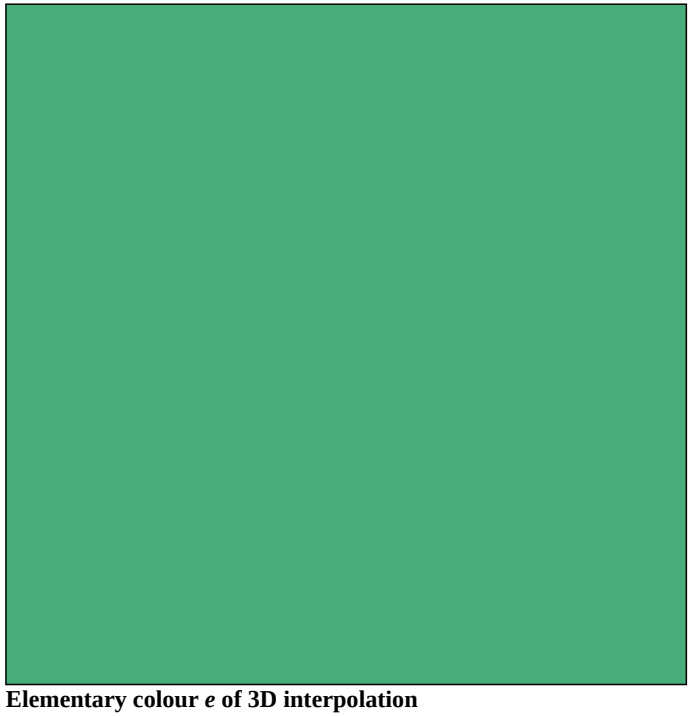
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.125	0.125	0.625	0.512	0.287	0.674	0.482
$rgb^*_{Fa,\ 8bit}$	32	159	32	32	159	131	73	172	123
L^*, C^*_{ab}, h_{ab}	56.1	65.6	138.3	61.4	31.8	162.2	66.9	30.9	151.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	39.1	39.1	3D−it:	8.2	8.2	

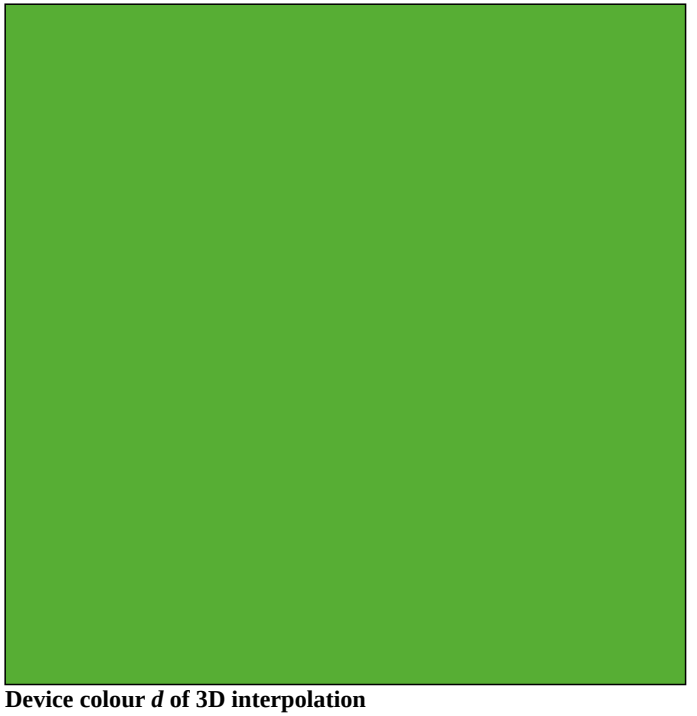
3 Colours no. *j*=127

output of the device colour *d*:

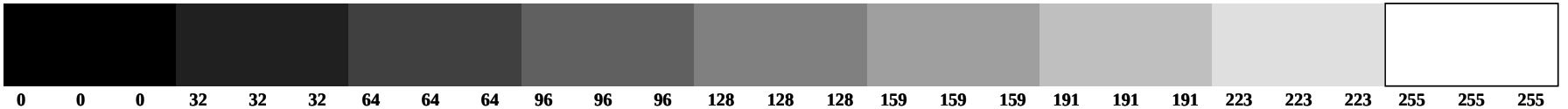
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.125	0.338	0.625	0.125	0.341	0.681	0.203
$olv^*_{Fa,\ 8bit}$	32	159	32	86	159	32	87	174	52
L^*, C^*_{ab}, h_{ab}	56.1	65.6	138.3	61.5	55.4	132.5	65.8	54.0	130.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−in:	17.1	17.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
128	0.125	0.625	0.25	163.9	86.3	55.0	174.9	−54.6	4.9	61.7	27.5	174.9	−27.3	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
128	0.125	0.625	0.25	163.9	84.9	115.3	147.4	−97.0	62.2	61.0	57.7	147.4	−48.5	31.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.5	g11b	l90c		0.0	1.0	0.898	0.125	0.625	0.574
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.5	j78g	l23c		0.213	1.0	0.0	0.231	0.625	0.125

3 Colours no. *j*=128

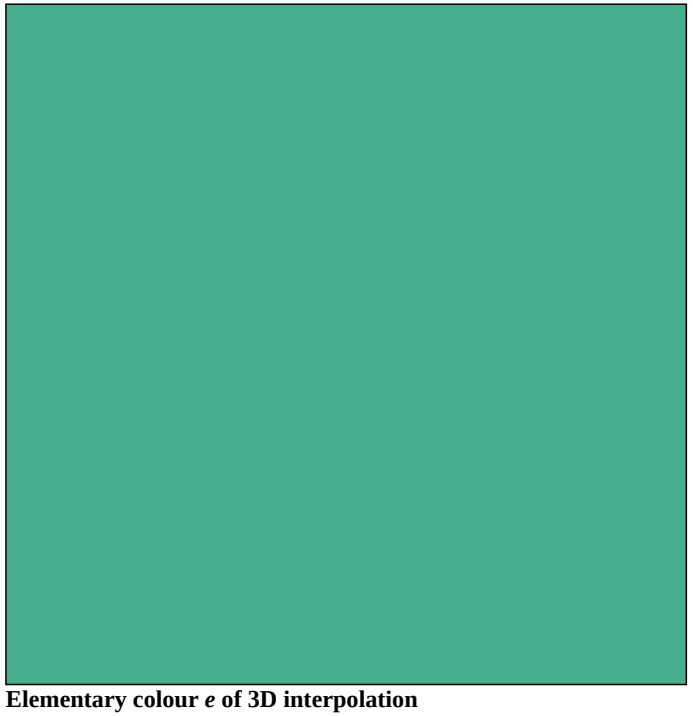
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.25	0.125	0.625	0.574	0.282	0.675	0.56
$rgb^*_{Fa,\ 8bit}$	32	159	64	32	159	146	72	172	143
L^*, C^*_{ab}, h_{ab}	56.4	51.5	148.6	61.7	27.5	174.9	65.2	27.1	174.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	30.0	30.0	3D−it:	3.5	3.5	

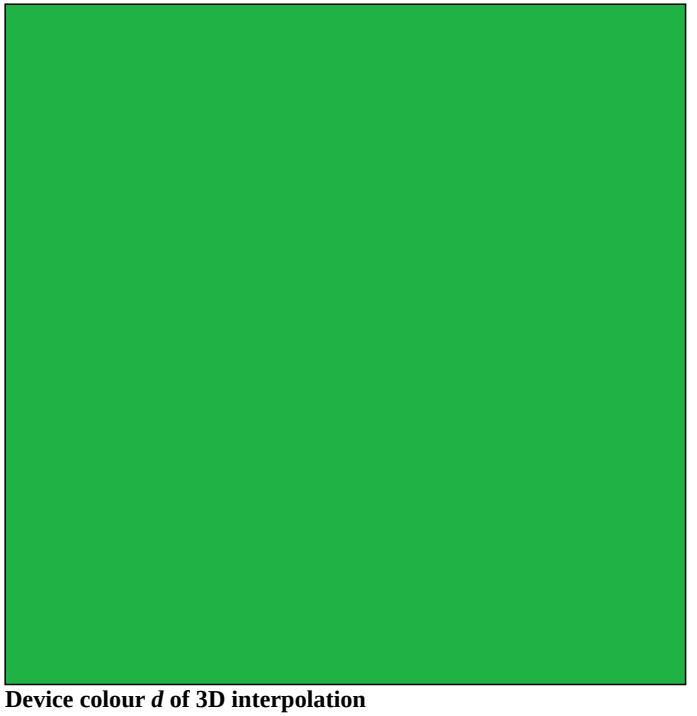
3 Colours no. *j*=128

output of the device colour *d*:

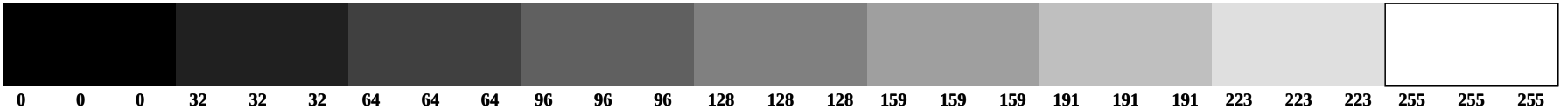
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.25	0.231	0.625	0.125	0.127	0.699	0.272
$olv^*_{Fa,\ 8bit}$	32	159	64	59	159	32	32	178	69
L^*, C^*_{ab}, h_{ab}	56.4	51.5	148.6	61.0	57.7	147.4	65.1	56.0	139.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−in:	12.8	12.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
129	0.125	0.625	0.375	180.0	87.0	49.2	189.6	−48.4	−8.1	62.0	24.6	189.6	−24.1	−4.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
129	0.125	0.625	0.375	180.0	84.4	116.1	164.6	−111.8	30.8	60.7	58.0	164.6	−55.9	15.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.5	g25b	l97c		0.0	1.0	0.967	0.125	0.625	0.608
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.5	g02b	l50c		0.0	1.0	0.043	0.125	0.625	0.147

3 Colours no. *j*=129

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.375	0.125	0.625	0.608	0.284	0.676	0.634
$rgb^*_{Fa,\ 8bit}$	32	159	96	32	159	155	72	172	162
L^*, C^*_{ab}, h_{ab}	56.8	40.7	161.4	62.0	24.6	189.6	67.4	22.1	184.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.9	22.9	3D−it:	6.2	6.2	

3 Colours no. *j*=129

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.375	0.125	0.625	0.147	0.0	0.749	0.411
$olv^*_{Fa,\ 8bit}$	32	159	96	32	159	37	0	191	105
L^*, C^*_{ab}, h_{ab}	56.8	40.7	161.4	60.7	58.0	164.6	64.2	54.5	153.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.0	18.0	3D−in:	17.1	17.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
130	0.125	0.625	0.5	196.1	84.7	45.4	204.3	−41.2	−18.6	60.9	22.7	204.3	−20.6	−9.2	0.375	0.5	g38b	c03v		0.0	0.972	1.0	0.125	0.611	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
130	0.125	0.625	0.5	196.1	84.8	92.3	181.8	−92.2	−2.9	60.9	46.2	181.8	−46.0	−1.4	0.375	0.5	g18b	l77c		0.0	1.0	0.358	0.125	0.625	0.304

3 Colours no. *j*=130

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.5	0.125	0.611	0.625	0.28	0.653	0.67
$rgb^*_{Fa,\ 8bit}$	32	159	128	32	156	159	71	166	171
L^*, C^*_{ab}, h_{ab}	57.2	33.1	178.2	60.9	22.7	204.3	63.0	21.5	203.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.6	16.6	3D−it:	2.5	2.5	

3 Colours no. *j*=130

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.5	0.125	0.625	0.304	0.0	0.75	0.625
$olv^*_{Fa,\ 8bit}$	32	159	128	32	159	78	0	191	159
L^*, C^*_{ab}, h_{ab}	57.2	33.1	178.2	60.9	46.2	181.8	64.6	40.6	179.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.8	13.8	3D−in:	10.5	10.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
131	0.125	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	58.7	21.8	217.0	−17.3	−13.0	0.375	0.5	g50b	c08v		0.0	0.925	1.0	0.125	0.587	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
131	0.125	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	61.2	36.4	196.7	−34.8	−10.4	0.375	0.5	g31b	c00v		0.0	1.0	0.63	0.125	0.625	0.44

3 Colours no. *j*=131

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.625	0.125	0.587	0.625	0.272	0.615	0.674
$rgb^*_{Fa,\ 8bit}$	32	159	159	32	150	159	69	157	172
L^*, C^*_{ab}, h_{ab}	57.7	29.1	200.2	58.7	21.8	217.0	59.3	17.3	203.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−it:	6.4	6.4	

3 Colours no. *j*=131

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.625	0.125	0.625	0.44	0.0	0.693	0.684
$olv^*_{Fa,\ 8bit}$	32	159	159	32	159	112	0	177	175
L^*, C^*_{ab}, h_{ab}	57.7	29.1	200.2	61.2	36.4	196.7	65.1	36.2	196.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	10.5	10.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
132	0.125	0.625	0.75	220.9	76.9	42.3	226.9	−28.8	−30.8	64.4	26.4	226.9	−17.9	−19.2	0.25	0.625	g59b	c11v		0.0	0.888	1.0	0.125	0.68	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
132	0.125	0.625	0.75	220.9	87.2	47.6	216.2	−38.3	−28.0	70.8	29.7	216.2	−23.9	−17.5	0.25	0.625	g48b	c18v		0.0	1.0	0.986	0.125	0.75	0.741

3 Colours no. *j*=132

output of the elementary colour *e*:

rgb input (in):									
	0.125	0.625	0.75	0.125	0.68	0.75	0.278	0.702	0.827
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	159	191	32	173	191	71	179	211
L^*, C^*_{ab}, h_{ab}	58.4	29.6	225.1	64.4	26.4	226.9	68.0	24.4	229.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	4.3	4.3	

3 Colours no. *j*=132

output of the device colour *d*:

rgb input (in):									
	0.125	0.625	0.75	0.125	0.75	0.741	0.277	0.801	0.892
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	159	191	32	191	189	71	204	227
L^*, C^*_{ab}, h_{ab}	58.4	29.6	225.1	70.8	29.7	216.2	74.6	26.2	215.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.3	13.3	3D−in:	17.3	17.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
133	0.125	0.625	0.875	229.1	74.4	42.6	234.4	−24.7	−34.6	69.9	32.0	234.4	−18.5	−25.9	0.125	0.75	g66b	c15v		0.0	0.854	1.0	0.125	0.766	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
133	0.125	0.625	0.875	229.1	67.5	47.2	230.9	−29.7	−36.5	64.8	35.4	230.9	−22.2	−27.4	0.125	0.75	g62b	c32v		0.0	0.746	1.0	0.125	0.684	0.875

3 Colours no. *j*=133

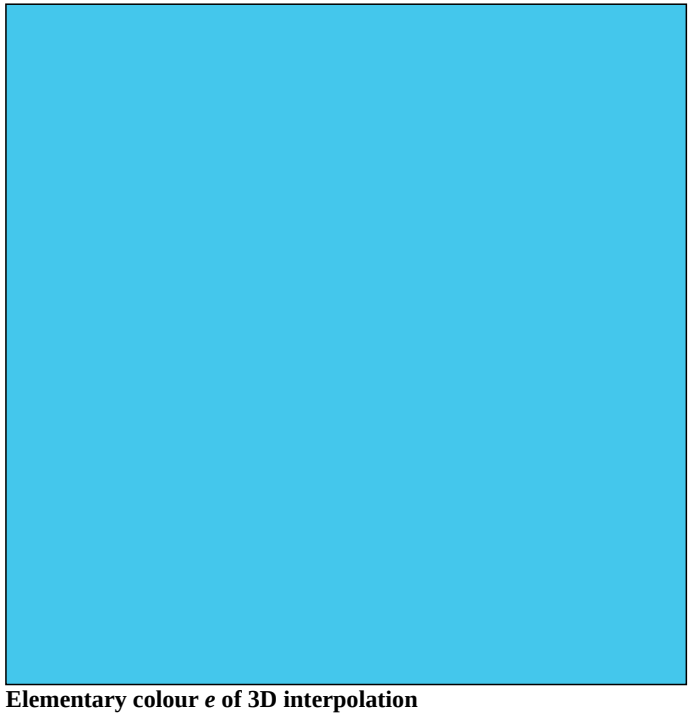
output of the elementary colour *e*:

rgb input (in):									
	0.125	0.625	0.875	0.125	0.766	0.875	0.265	0.78	0.925
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	159	223	32	195	223	68	199	236
L^*, C^*_{ab}, h_{ab}	59.2	35.4	247.7	69.9	32.0	234.4	76.6	26.4	234.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.7	13.7	3D−it:	8.7	8.7	

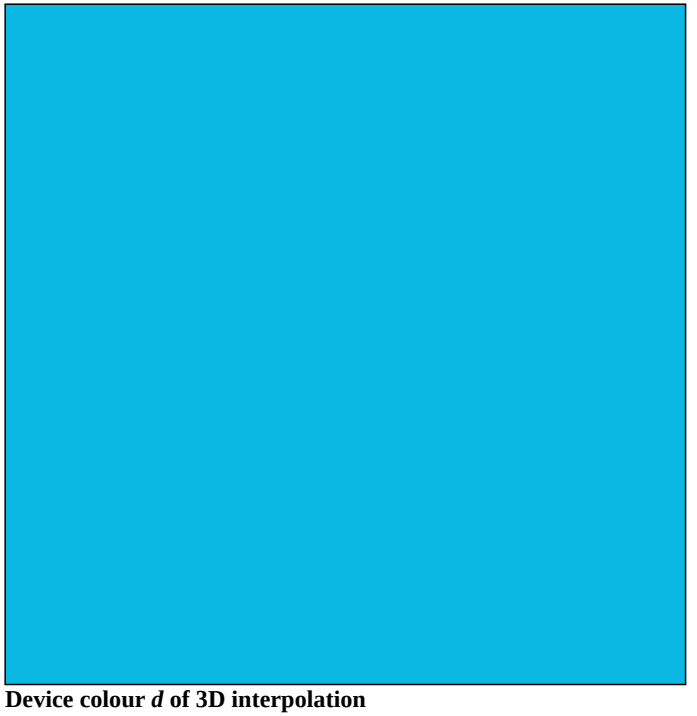
3 Colours no. *j*=133

output of the device colour *d*:

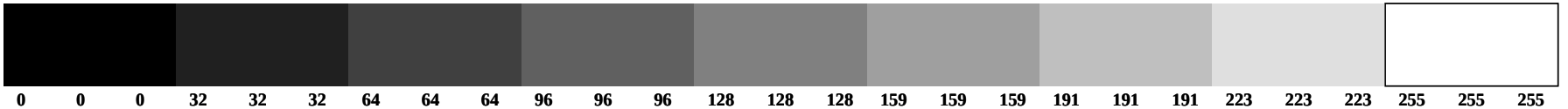
rgb input (in):									
	0.125	0.625	0.875	0.125	0.684	0.875	0.042	0.723	0.892
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	159	223	32	174	223	11	184	228
L^*, C^*_{ab}, h_{ab}	59.2	35.4	247.7	64.8	35.4	230.9	66.2	28.5	228.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.8	11.8	3D−in:	14.4	14.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
134	0.125	0.625	1.0	235.3	72.5	43.8	240.1	−21.8	−37.9	75.4	38.3	240.1	−19.0	−33.1	0.0	0.875	g71b	c18v		0.0	0.825	1.0	0.125	0.847	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
134	0.125	0.625	1.0	235.3	57.1	63.7	242.0	−29.8	−56.1	61.9	55.7	242.0	−26.1	−49.1	0.0	0.875	g72b	c42v		0.0	0.544	1.0	0.125	0.601	1.0

3 Colours no. *j*=134

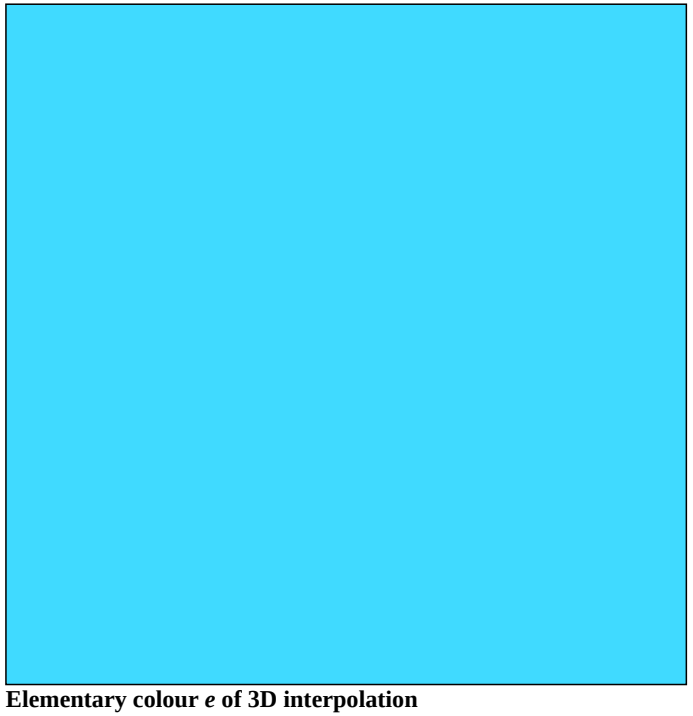
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	1.0	0.125	0.847	1.0	0.251	0.853	1.0
$rgb^*_{Fa,\ 8bit}$	32	159	255	32	216	255	64	218	255
L^*, C^*_{ab}, h_{ab}	61.5	55.6	272.3	75.4	38.3	240.1	76.6	34.8	241.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	33.9	33.9	3D−it:	3.9	3.9

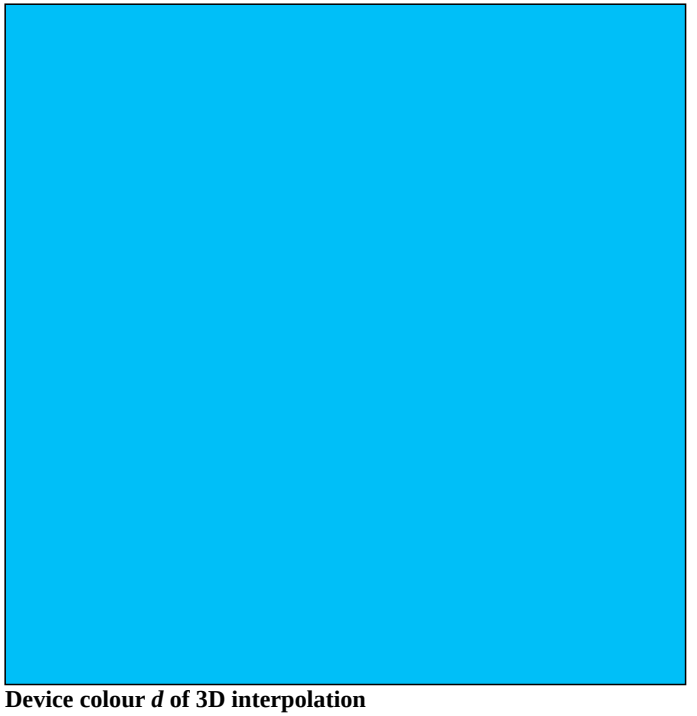
3 Colours no. *j*=134

output of the device colour *d*:

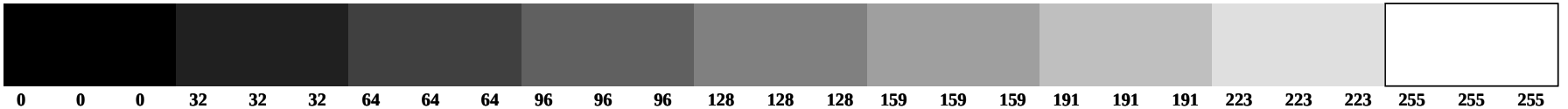
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	1.0	0.125	0.601	1.0	0.0	0.749	0.971
$olv^*_{Fa,\ 8bit}$	32	159	255	32	153	255	0	191	248
L^*, C^*_{ab}, h_{ab}	61.5	55.6	272.3	61.9	55.7	242.0	68.1	45.9	255.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	29.1	29.1	3D−in:	18.6	18.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
135	0.125	0.75	0.0	141.0	85.2	75.9	151.8	−66.8	35.9	68.3	56.9	151.8	−50.1	26.9	0.25	0.75	j84g	l58c		0.0	1.0	0.584	0.0	0.75	0.438
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
135	0.125	0.75	0.0	141.0	86.4	109.2	127.9	−67.0	86.1	69.2	81.9	127.9	−50.2	64.6	0.25	0.75	j50g	y85l		0.491	1.0	0.0	0.368	0.75	0.0

3 Colours no. *j*=135

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	0.0	0.0	0.75	0.438	0.158	0.805	0.414
$rgb^*_{Fa,\ 8bit}$	32	191	0	0	191	112	40	205	106
L^*, C^*_{ab}, h_{ab}	63.6	85.7	133.5	68.3	56.9	151.8	73.1	54.1	148.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.6	36.6	3D−it:	6.5	6.5	

3 Colours no. *j*=135

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	0.0	0.368	0.75	0.0	0.349	0.808	0.072
$olv^*_{Fa,\ 8bit}$	32	191	0	94	191	0	89	206	18
L^*, C^*_{ab}, h_{ab}	63.6	85.7	133.5	69.2	81.9	127.9	73.9	82.0	124.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	16.7	16.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
136	0.125	0.75	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	69.9	39.7	162.2	−37.7	12.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
136	0.125	0.75	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	70.1	69.2	132.5	−46.7	51.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.625	j99g	l77c		0.0	1.0	0.774	0.125	0.75	0.609
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.625	j57g	y100l		0.425	1.0	0.0	0.391	0.75	0.125

3 Colours no. *j*=136

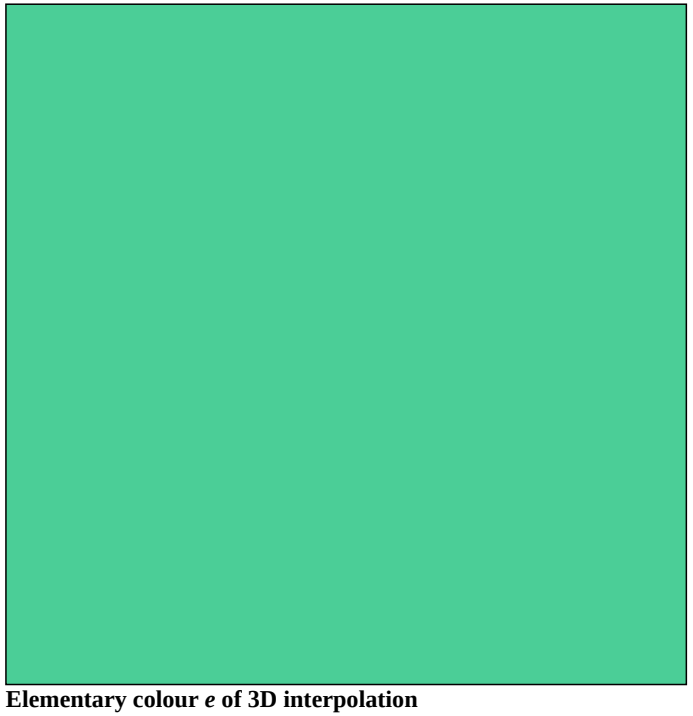
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	0.125	0.125	0.75	0.609	0.296	0.807	0.592
$rgb^*_{Fa,\ 8bit}$	32	191	32	32	191	155	75	206	151
L^*, C^*_{ab}, h_{ab}	63.7	78.4	136.9	69.9	39.7	162.2	74.4	40.0	159.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	46.2	46.2	3D−it:	4.8	4.8	

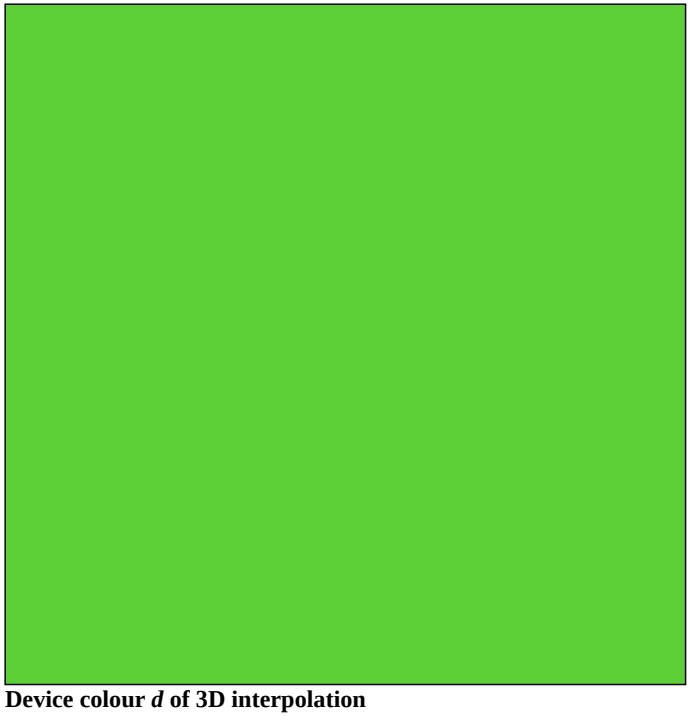
3 Colours no. *j*=136

output of the device colour *d*:

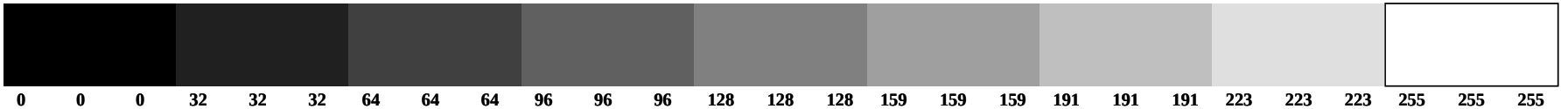
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	0.125	0.391	0.75	0.125	0.369	0.816	0.216
$olv^*_{Fa,\ 8bit}$	32	191	32	100	191	32	94	208	55
L^*, C^*_{ab}, h_{ab}	63.7	78.4	136.9	70.1	69.2	132.5	75.1	69.1	128.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−in:	18.2	18.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
137	0.125	0.75	0.25	160.9	86.2	56.0	172.2	−55.4	7.6	70.2	35.0	172.2	−34.6	4.8	0.25	0.625	g09b	l89c		0.0	1.0	0.886	0.125	0.75	0.679
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
137	0.125	0.75	0.25	160.9	85.1	114.4	144.2	−92.6	67.0	69.5	71.5	144.2	−57.9	41.9	0.25	0.625	j73g	l18c		0.259	1.0	0.0	0.287	0.75	0.125

3 Colours no. *j*=137

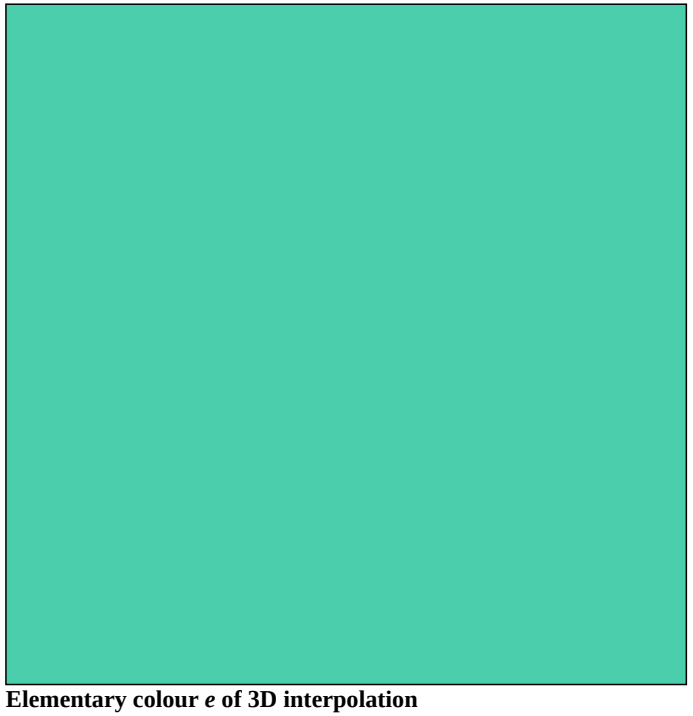
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	0.25	0.125	0.75	0.679	0.293	0.808	0.676
$rgb^*_{Fa,\ 8bit}$	32	191	64	32	191	173	75	206	172
L^*, C^*_{ab}, h_{ab}	63.9	65.1	144.6	70.2	35.0	172.2	74.6	33.8	168.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	38.2	38.2	3D−it:	5.0	5.0

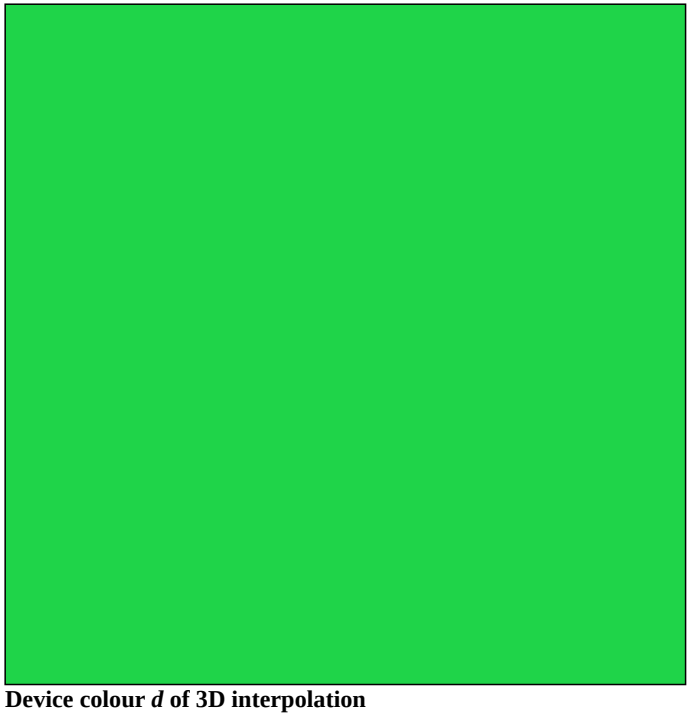
3 Colours no. *j*=137

output of the device colour *d*:

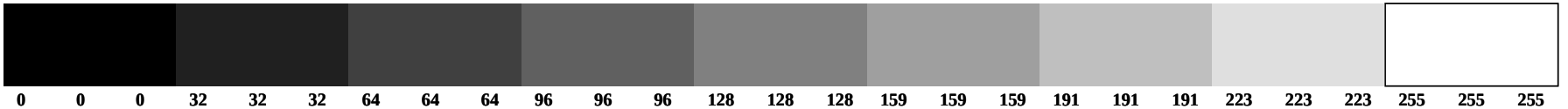
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	0.25	0.287	0.75	0.125	0.122	0.83	0.287
$olv^*_{Fa,\ 8bit}$	32	191	64	73	191	32	31	212	73
L^*, C^*_{ab}, h_{ab}	63.9	65.1	144.6	69.5	71.5	144.2	73.5	70.1	139.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.5	8.5	3D−in:	12.3	12.3



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
138	0.125	0.75	0.375	173.4	86.7	51.6	183.6	−51.4	−3.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
138	0.125	0.75	0.375	173.4	84.5	117.5	157.6	−108.5	44.9

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
70.5	32.2	183.6	−32.1	−1.9
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
69.1	73.4	157.6	−67.8	28.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.625	g19b	l94c		0.0	1.0	0.939	0.125	0.75	0.712
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.625	j92g	l39c		0.067	1.0	0.0	0.167	0.75	0.125

3 Colours no. *j*=138

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	0.375	0.125	0.75	0.712	0.282	0.81	0.754
$rgb^*_{Fa,\ 8bit}$	32	191	96	32	191	182	72	206	192
L^*, C^*_{ab}, h_{ab}	64.2	54.5	153.2	70.5	32.2	183.6	75.9	29.7	176.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	32.0	32.0	3D−it:	7.1	7.1	

3 Colours no. *j*=138

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	0.375	0.167	0.75	0.125	0.0	0.875	0.408
$olv^*_{Fa,\ 8bit}$	32	191	96	43	191	32	0	223	104
L^*, C^*_{ab}, h_{ab}	64.2	54.5	153.2	69.1	73.4	157.6	72.7	69.4	147.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.1	20.1	3D−in:	18.2	18.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
139	0.125	0.75	0.5	186.6	87.3	46.8	195.6	−45.0	−12.5	70.9	29.3	195.6	−28.1	−7.8
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
139	0.125	0.75	0.5	186.6	84.5	108.0	171.7	−106.8	15.7	69.1	67.5	171.7	−66.7	9.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.625	g30b	l99c		0.0	1.0	0.995	0.125	0.75	0.747
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.625	g08b	l61c		0.0	1.0	0.172	0.125	0.75	0.233

3 Colours no. *j*=139

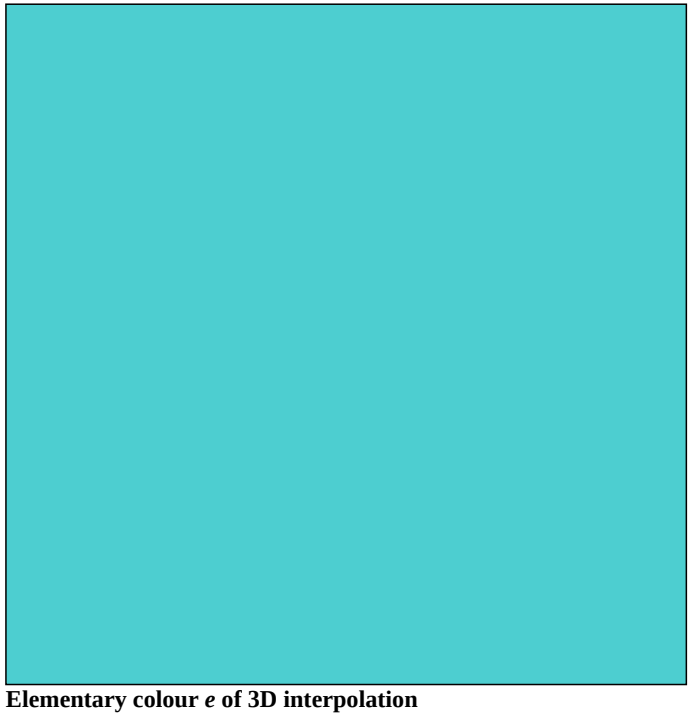
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	0.5	0.125	0.75	0.747	0.303	0.808	0.816
$rgb^*_{Fa,\ 8bit}$	32	191	128	32	191	190	77	206	208
L^*, C^*_{ab}, h_{ab}	64.6	45.3	164.0	70.9	29.3	195.6	75.4	28.9	195.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.3	26.3	3D−it:	4.6	4.6	

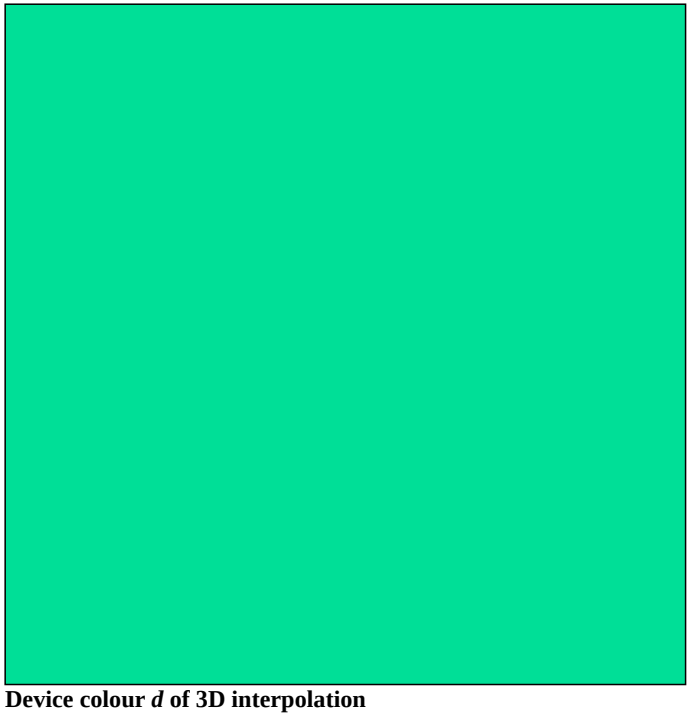
3 Colours no. *j*=139

output of the device colour *d*:

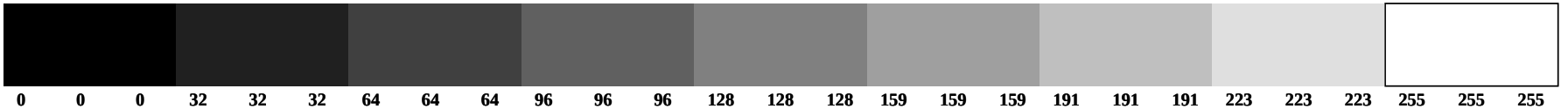
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	0.5	0.125	0.75	0.233	0.0	0.875	0.594
$olv^*_{Fa,\ 8bit}$	32	191	128	32	191	59	0	223	151
L^*, C^*_{ab}, h_{ab}	64.6	45.3	164.0	69.1	67.5	171.7	73.1	59.9	155.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.8	23.8	3D−in:	18.8	18.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
140	0.125	0.75	0.625	199.1	83.8	45.0	207.0	−40.0	−20.4	68.7	28.1	207.0	−24.9	−12.7	0.25	0.625	g40b	c04v		0.0	0.962	1.0	0.125	0.726	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
140	0.125	0.75	0.625	199.1	84.9	87.8	185.1	−87.4	−7.6	69.4	54.9	185.1	−54.6	−4.7	0.25	0.625	g20b	l82c		0.0	1.0	0.417	0.125	0.75	0.386

3 Colours no. *j*=140

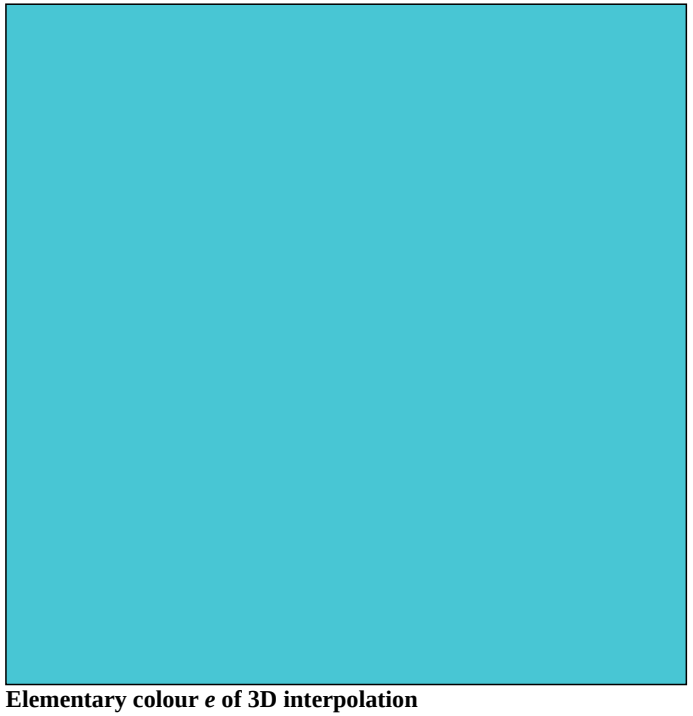
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.75	0.625	0.125	0.726	0.75	0.281	0.775	0.83
$rgb^*_{Fa,\ 8bit}$	32	191	159	32	185	191	72	198	212
L^*, C^*_{ab}, h_{ab}	65.0	38.4	177.9	68.7	28.1	207.0	71.0	23.6	199.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.8	19.8	3D−it:	6.0	6.0	

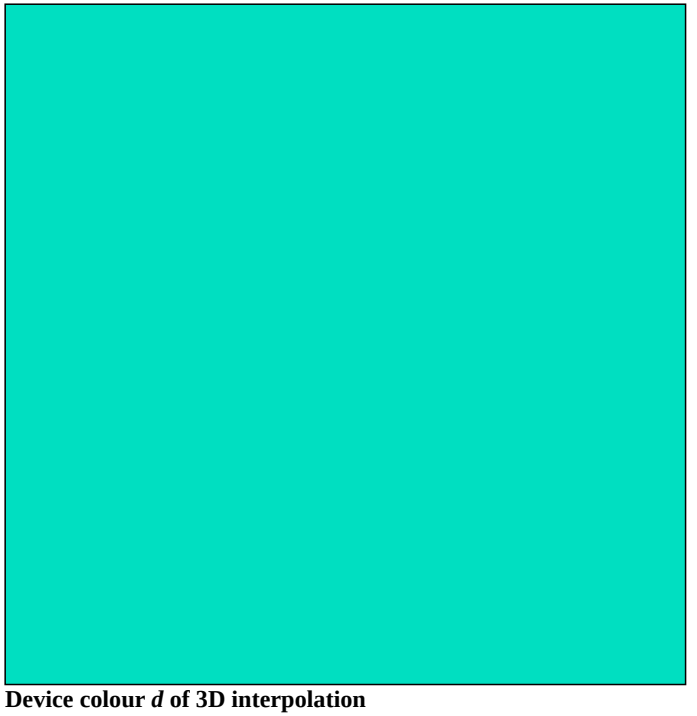
3 Colours no. *j*=140

output of the device colour *d*:

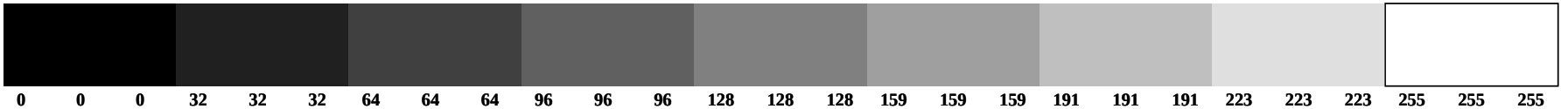
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.75	0.625	0.125	0.75	0.386	0.0	0.875	0.758
$olv^*_{Fa,\ 8bit}$	32	191	159	32	191	98	0	223	193
L^*, C^*_{ab}, h_{ab}	65.0	38.4	177.9	69.4	54.9	185.1	73.8	44.8	175.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.0	18.0	3D−in:	11.0	11.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
141	0.125	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	66.5	27.3	217.0	−21.7	−16.3	0.25	0.625	g50b	c08v		0.0	0.925	1.0	0.125	0.703	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
141	0.125	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	69.7	45.5	196.7	−43.5	−13.0	0.25	0.625	g31b	c00v		0.0	1.0	0.63	0.125	0.75	0.519

3 Colours no. *j*=141

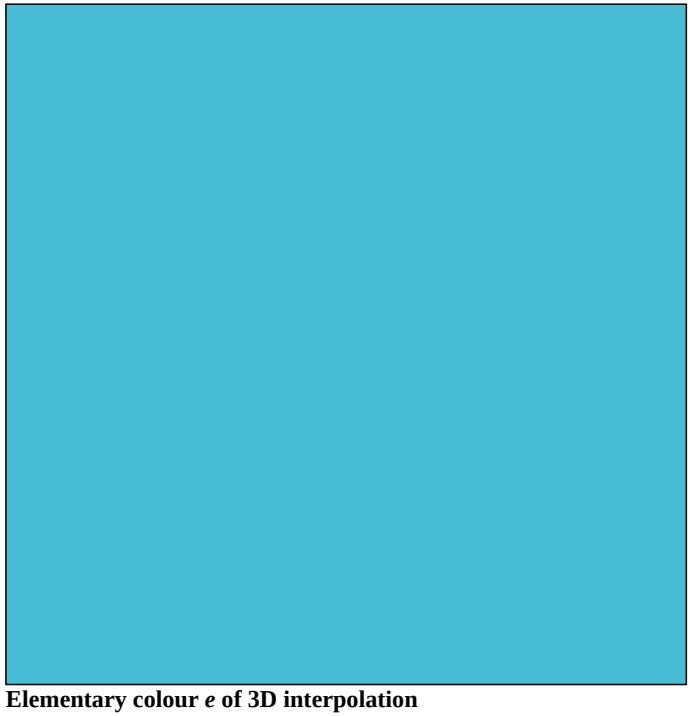
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.75	0.75	0.125	0.703	0.75	0.275	0.741	0.832
$rgb^*_{Fa,\ 8bit}$	32	191	191	32	179	191	70	189	212
L^*, C^*_{ab}, h_{ab}	65.5	34.0	196.2	66.5	27.3	217.0	67.0	25.0	210.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−it:	3.7	3.7	

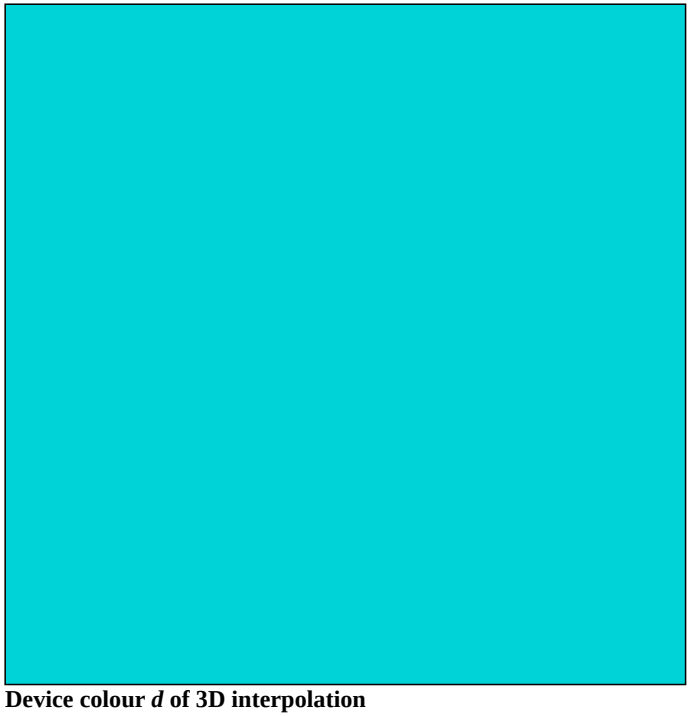
3 Colours no. *j*=141

output of the device colour *d*:

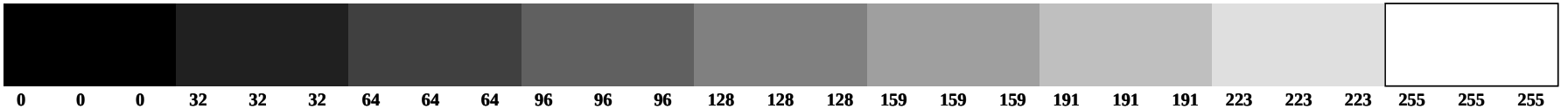
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.75	0.75	0.125	0.75	0.519	0.0	0.828	0.844
$olv^*_{Fa,\ 8bit}$	32	191	191	32	191	132	0	211	215
L^*, C^*_{ab}, h_{ab}	65.5	34.0	196.2	69.7	45.5	196.7	74.4	39.4	192.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.2	12.2	3D−in:	10.7	10.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
142	0.125	0.75	0.875	219.0	77.5	42.5	225.2	−29.9	−30.0	72.3	31.9	225.2	−22.4	−22.5	0.125	0.75	g57b	c11v		0.0	0.895	1.0	0.125	0.796	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
142	0.125	0.75	0.875	219.0	86.5	53.0	212.7	−44.5	−28.5	79.0	39.7	212.7	−33.3	−21.4	0.125	0.75	g45b	c15v		0.0	1.0	0.922	0.125	0.875	0.817

3 Colours no. *j*=142

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	0.875	0.125	0.796	0.875	0.266	0.818	0.927
$rgb^*_{Fa,\ 8bit}$	32	191	223	32	203	223	68	209	236
L^*, C^*_{ab}, h_{ab}	66.2	33.6	219.7	72.3	31.9	225.2	77.5	29.4	223.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−it:	5.9	5.9	

3 Colours no. *j*=142

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	0.875	0.125	0.875	0.817	0.107	0.912	0.974
$olv^*_{Fa,\ 8bit}$	32	191	223	32	223	208	27	233	248
L^*, C^*_{ab}, h_{ab}	66.2	33.6	219.7	79.0	39.7	212.7	90.3	26.8	198.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.9	14.9	3D−in:	27.4	27.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
143	0.125	0.75	1.0	226.1	75.3	42.0	231.7	−26.0	−32.9	77.8	36.8	231.7	−22.7	−28.7	0.0	0.875	g63b	c13v		0.0	0.869	1.0	0.125	0.885	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
143	0.125	0.75	1.0	226.1	73.7	43.0	225.5	−30.1	−30.6	76.4	37.7	225.5	−26.3	−26.8	0.0	0.875	g58b	c27v		0.0	0.844	1.0	0.125	0.863	1.0

3 Colours no. *j*=143

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	1.0	0.125	0.885	1.0	0.267	0.886	1.0
$rgb^*_{Fa,\ 8bit}$	32	191	255	32	226	255	68	226	255
L^*, C^*_{ab}, h_{ab}	68.1	45.9	255.9	77.8	36.8	231.7	78.9	34.7	231.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.8	21.8	3D−it:	2.4	2.4

3 Colours no. *j*=143

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	1.0	0.125	0.863	1.0	0.18	0.879	0.98
$olv^*_{Fa,\ 8bit}$	32	191	255	32	220	255	46	224	250
L^*, C^*_{ab}, h_{ab}	68.1	45.9	255.9	76.4	37.7	225.5	76.6	31.7	226.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	24.7	24.7	3D−in:	25.3	25.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 144/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
144	0.125	0.875	0.0	142.4	85.3	73.5	153.4	−65.6	32.9	76.8	64.3	153.4	−57.4	28.8	0.125	0.875	j86g	l62c		0.0	1.0	0.62	0.0	0.875	0.542
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
144	0.125	0.875	0.0	142.4	86.3	109.4	128.6	−68.2	85.5	77.8	95.8	128.6	−59.7	74.8	0.125	0.875	j51g	y87l		0.481	1.0	0.0	0.421	0.875	0.0

3 Colours no. *j*=144

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	0.0	0.875	0.542	0.913	0.525	
$rgb^*_{Fa,\ 8bit}$	32	223	0	223	138	233	134	
L^*, C^*_{ab}, h_{ab}	72.2	98.9	132.9	64.3	153.4	63.2	149.3	
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	44.9	44.9	3D−it:	6.0	6.0

3 Colours no. *j*=144

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	0.0	0.875	0.0	0.917	0.079	
$olv^*_{Fa,\ 8bit}$	32	223	0	223	0	234	20	
L^*, C^*_{ab}, h_{ab}	72.2	98.9	132.9	95.8	128.6	93.0	126.3	
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−in:	15.7	15.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
145	0.125	0.875	0.125	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
145	0.125	0.875	0.125	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
78.4	47.6	162.2	−45.3	14.5
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
78.6	83.1	132.5	−56.0	61.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.75	j99g	l77c		0.0	1.0	0.774	0.125	0.875	0.706
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.75	j57g	y100l		0.425	1.0	0.0	0.444	0.875	0.125

3 Colours no. *j*=145

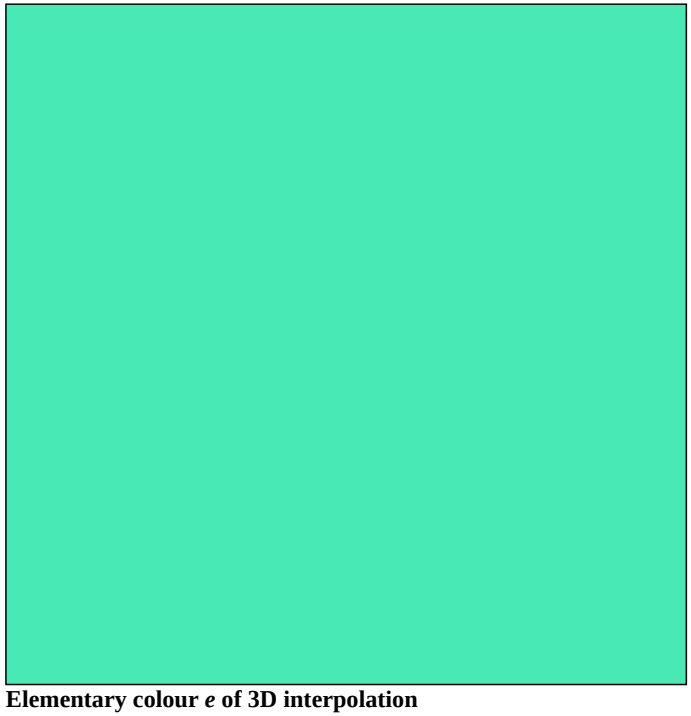
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	0.125	0.125	0.875	0.706	0.287	0.915	0.708
$rgb^*_{Fa,\ 8bit}$	32	223	32	32	223	180	73	233	181
L^*, C^*_{ab}, h_{ab}	72.3	92.4	135.4	78.4	47.6	162.2	82.7	47.8	161.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	54.6	54.6	3D−it:	4.5	4.5	

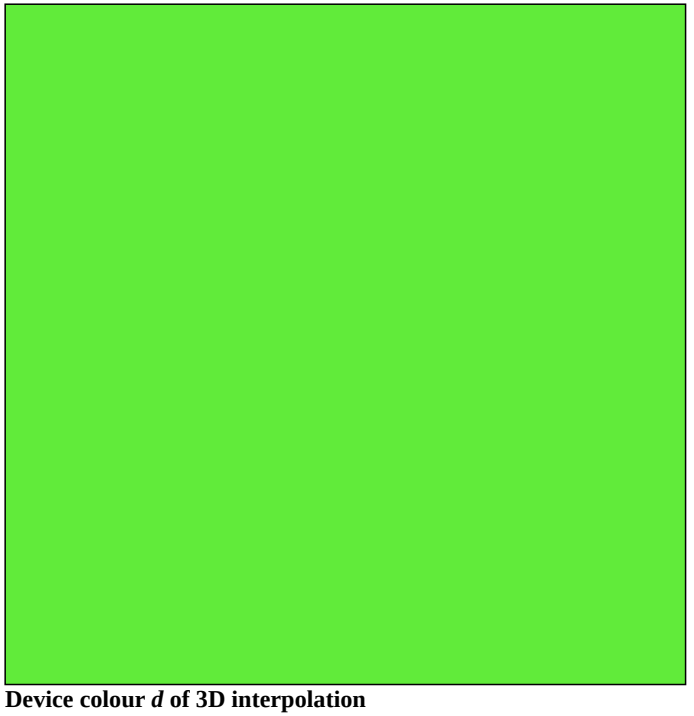
3 Colours no. *j*=145

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	0.125	0.444	0.875	0.125	0.382	0.923	0.229
$olv^*_{Fa,\ 8bit}$	32	223	32	113	223	32	97	235	58
L^*, C^*_{ab}, h_{ab}	72.3	92.4	135.4	78.6	83.1	132.5	86.1	82.9	127.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−in:	20.6	20.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
146	0.125	0.875	0.25	158.9	86.1	56.7	170.4	−55.8	9.5	78.7	42.6	170.4	−41.9	7.1	0.125	0.75	g07b	l88c		0.0	1.0	0.877	0.125	0.875	0.783
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
146	0.125	0.875	0.25	158.9	85.2	113.8	142.1	−89.7	70.0	78.1	85.4	142.1	−67.2	52.5	0.125	0.75	j70g	l15c		0.288	1.0	0.0	0.341	0.875	0.125

3 Colours no. *j*=146

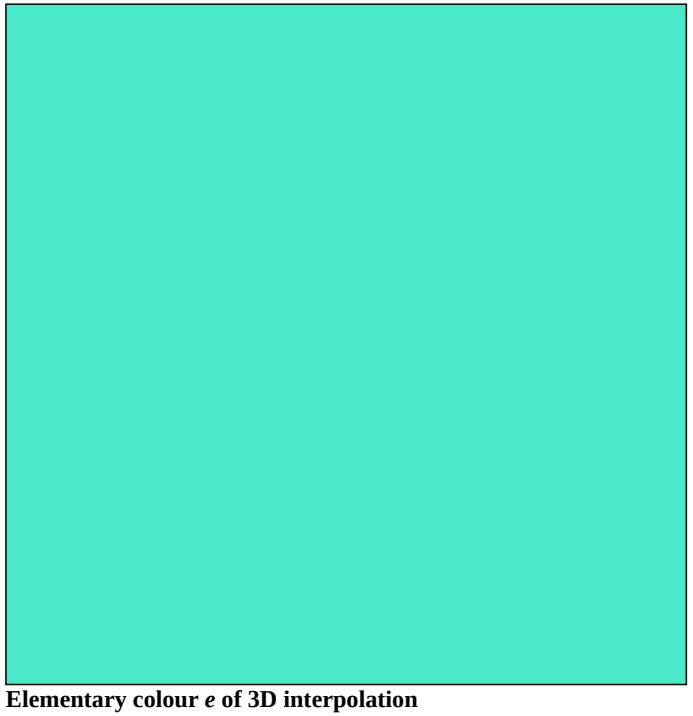
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	0.25	0.125	0.875	0.783	0.289	0.915	0.79
$rgb^*_{Fa,\ 8bit}$	32	223	64	32	223	200	74	233	201
L^*, C^*_{ab}, h_{ab}	72.5	79.9	141.3	78.7	42.6	170.4	82.9	41.3	166.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	47.8	47.8	3D−it:	5.1	5.1	

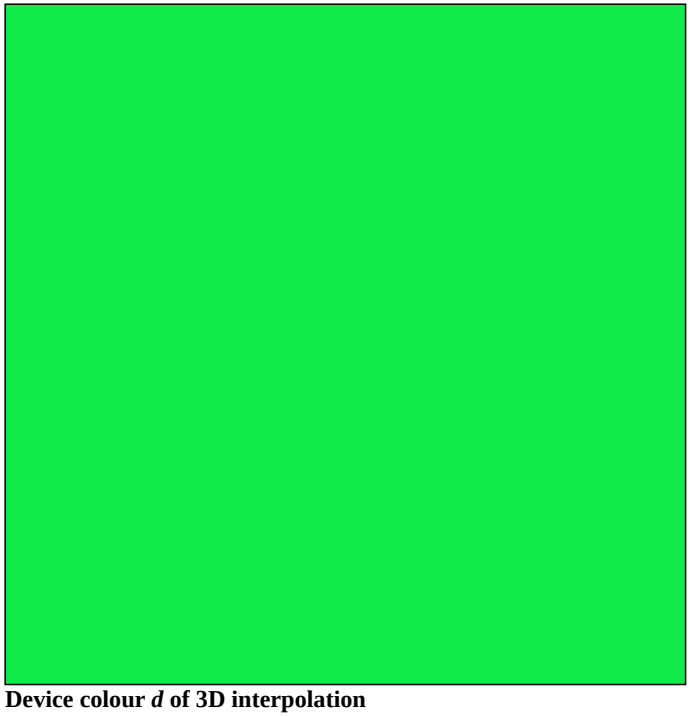
3 Colours no. *j*=146

output of the device colour *d*:

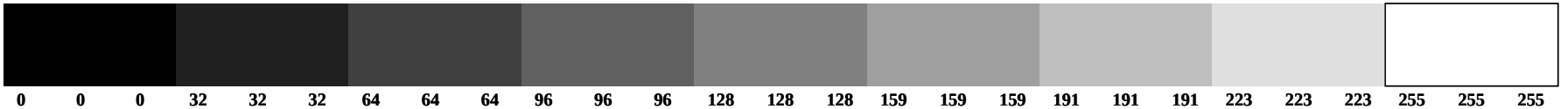
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	0.25	0.341	0.875	0.125	0.062	0.923	0.294
$olv^*_{Fa,\ 8bit}$	32	223	64	87	223	32	16	235	75
L^*, C^*_{ab}, h_{ab}	72.5	79.9	141.3	78.1	85.4	142.1	83.6	83.2	138.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−in:	12.2	12.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
147	0.125	0.875	0.375	169.1	86.5	53.1	179.7	−53.0	0.3	79.0	39.8	179.7	−39.7	0.2	0.125	0.75	g16b	l92c		0.0	1.0	0.921	0.125	0.875	0.815
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
147	0.125	0.875	0.375	169.1	84.6	116.8	152.9	−103.9	53.1	77.6	87.6	152.9	−77.9	39.9	0.125	0.75	j86g	l32c		0.133	1.0	0.0	0.225	0.875	0.125

3 Colours no. *j*=147

output of the elementary colour *e*:

rgb input (in):									
	0.125	0.875	0.375	0.125	0.875	0.815	0.271	0.916	0.863
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	223	96	32	223	208	69	234	220
L^*, C^*_{ab}, h_{ab}	72.7	69.4	147.5	79.0	39.8	179.7	82.7	35.6	170.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	42.0	42.0	3D−it:	8.4	8.4

3 Colours no. *j*=147

output of the device colour *d*:

rgb input (in):									
	0.125	0.875	0.375	0.225	0.875	0.125	0.0	0.939	0.416
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	223	96	57	223	32	0	239	106
L^*, C^*_{ab}, h_{ab}	72.7	69.4	147.5	77.6	87.6	152.9	85.2	80.3	147.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	20.2	20.2	3D−in:	16.6	16.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
148	0.125	0.875	0.5	180.0	87.0	49.2	189.6	−48.4	−8.1	79.4	36.9	189.6	−36.3	−6.1	0.125	0.75	g25b	l97c		0.0	1.0	0.967	0.125	0.875	0.85
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
148	0.125	0.875	0.5	180.0	84.4	116.1	164.6	−111.8	30.8	77.4	87.1	164.6	−83.8	23.1	0.125	0.75	g02b	l50c		0.0	1.0	0.043	0.125	0.875	0.158

3 Colours no. *j*=148

output of the elementary colour *e*:

rgb input (in):									
	0.125	0.875	0.5	0.125	0.875	0.85	0.274	0.916	0.903
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	223	128	32	223	217	70	234	230
L^*, C^*_{ab}, h_{ab}	73.1	59.9	155.0	79.4	36.9	189.6	83.7	35.0	188.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.8	36.8	3D−it:	4.8	4.8	

3 Colours no. *j*=148

output of the device colour *d*:

rgb input (in):									
	0.125	0.875	0.5	0.125	0.875	0.158	0.0	0.951	0.585
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	223	128	32	223	40	0	242	149
L^*, C^*_{ab}, h_{ab}	73.1	59.9	155.0	77.4	87.1	164.6	85.7	77.4	145.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	30.0	30.0	3D−in:	24.5	24.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
149	0.125	0.875	0.625	190.9	86.3	46.0	199.5	−43.3	−15.3	78.9	34.5	199.5	−32.4	−11.4	0.125	0.75	g33b	c01v		0.0	0.989	1.0	0.125	0.867	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
149	0.125	0.875	0.625	190.9	84.6	100.4	176.3	−100.16.6		77.6	75.3	176.3	−75.0	4.9	0.125	0.75	g13b	l68c		0.0	1.0	0.256	0.125	0.875	0.317

3 Colours no. *j*=149

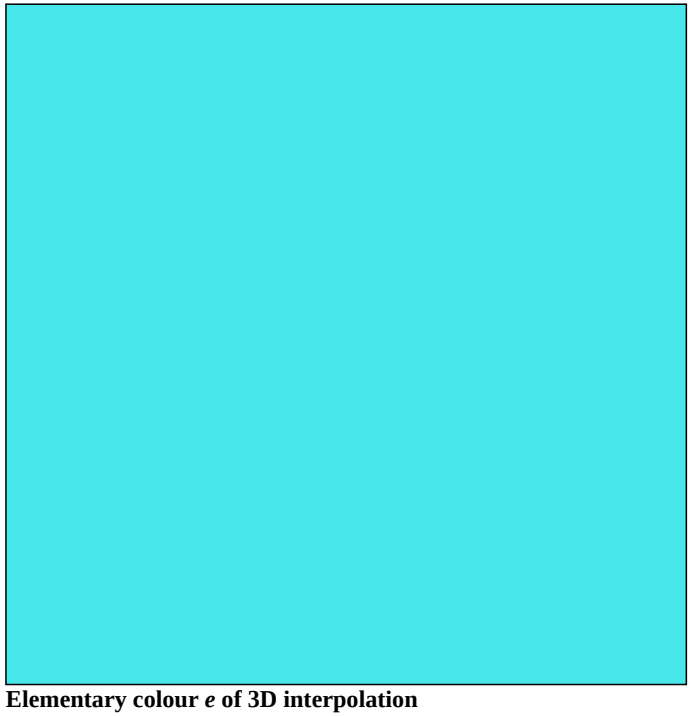
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	0.625	0.125	0.867	0.875	0.284	0.907	0.925
$rgb^*_{Fa,\ 8bit}$	32	223	159	32	221	223	72	231	236
L^*, C^*_{ab}, h_{ab}	73.4	51.8	163.8	78.9	34.5	199.5	81.9	30.2	191.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	31.7	31.7	3D−it:	7.0	7.0

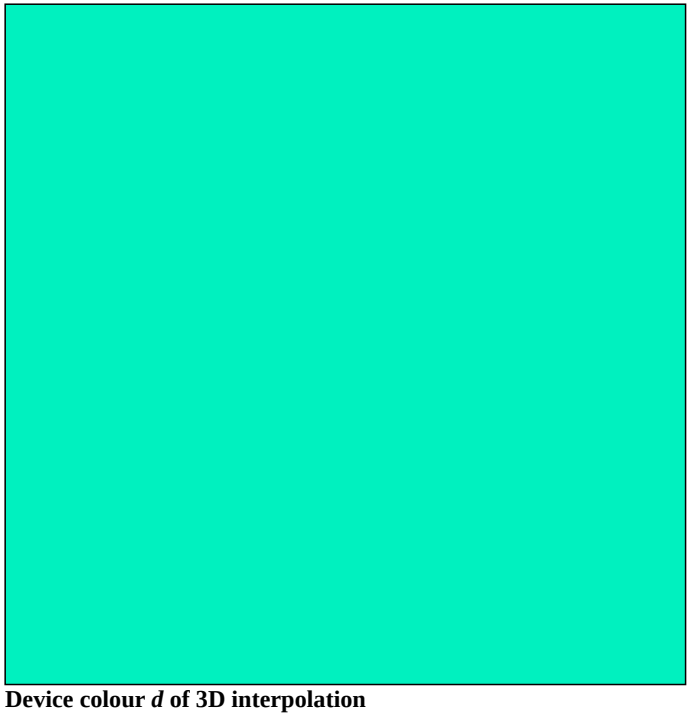
3 Colours no. *j*=149

output of the device colour *d*:

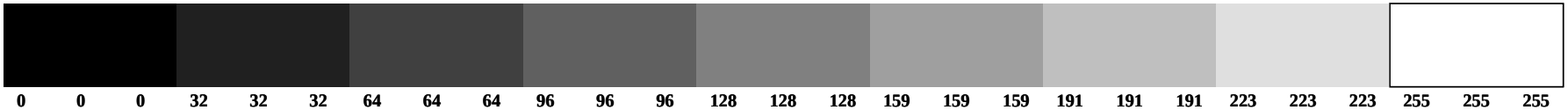
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	0.625	0.125	0.875	0.317	0.0	0.947	0.749
$olv^*_{Fa,\ 8bit}$	32	223	159	32	223	81	0	241	191
L^*, C^*_{ab}, h_{ab}	73.4	51.8	163.8	77.6	75.3	176.3	86.3	60.4	157.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	27.4	27.4	3D−in:	16.6	16.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
150	0.125	0.875	0.75	201.1	83.1	44.7	208.8	−39.1	−21.5	76.5	33.6	208.8	−29.3	−16.1	0.125	0.75	g42b	c04v		0.0	0.955	1.0	0.125	0.841	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
150	0.125	0.875	0.75	201.1	84.9	85.0	187.1	−84.2	−10.4	77.8	63.7	187.1	−63.1	−7.8	0.125	0.75	g22b	l85c		0.0	1.0	0.455	0.125	0.875	0.466

3 Colours no. *j*=150

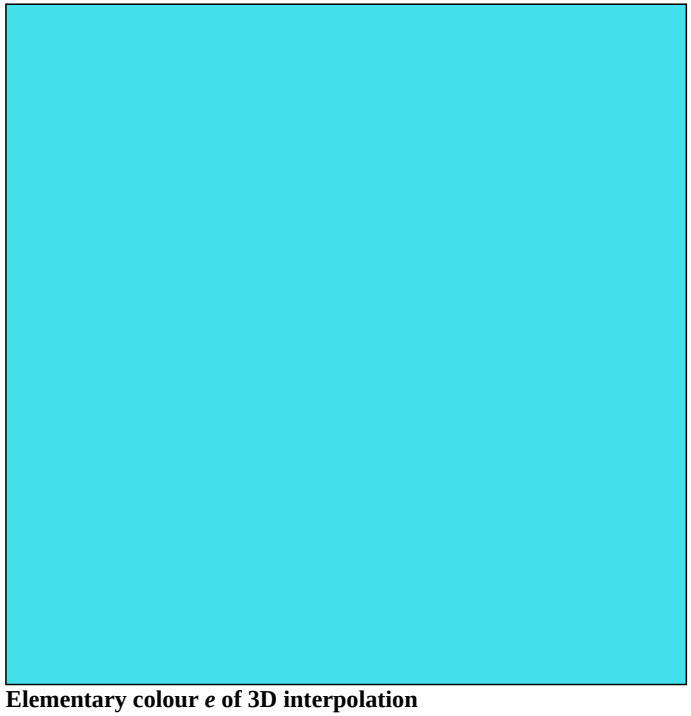
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	0.75	0.125	0.841	0.875	0.266	0.882	0.929
$rgb^*_{Fa,\ 8bit}$	32	223	191	32	215	223	68	225	237
L^*, C^*_{ab}, h_{ab}	73.8	44.8	175.3	76.5	33.6	208.8	77.1	29.8	191.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.2	25.2	3D−it:	10.3	10.3	

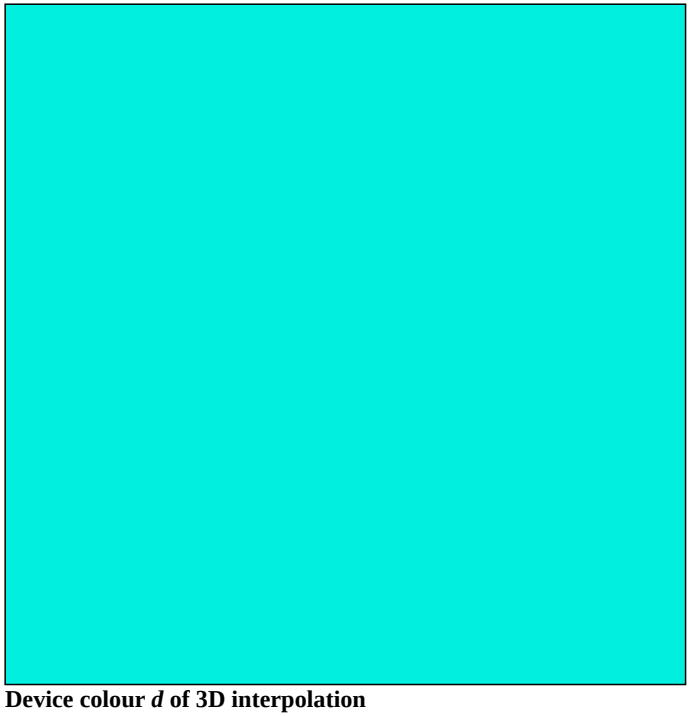
3 Colours no. *j*=150

output of the device colour *d*:

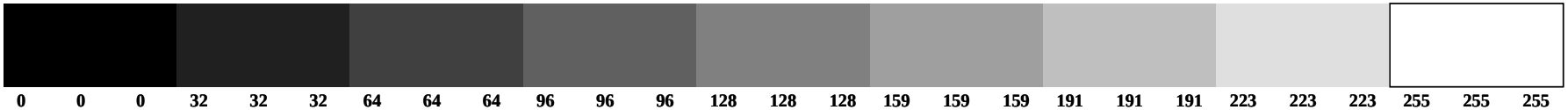
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	0.75	0.125	0.875	0.466	0.0	0.938	0.875
$olv^*_{Fa,\ 8bit}$	32	223	191	32	223	119	0	239	223
L^*, C^*_{ab}, h_{ab}	73.8	44.8	175.3	77.8	63.7	187.1	87.4	48.2	165.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.2	22.2	3D−in:	16.1	16.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
151	0.125	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	74.4	32.7	217.0	−26.0	−19.6	0.125	0.75	g50b	c08v		0.0	0.925	1.0	0.125	0.819	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
151	0.125	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	78.1	54.6	196.7	−52.2	−15.6	0.125	0.75	g31b	c00v		0.0	1.0	0.63	0.125	0.875	0.597

3 Colours no. *j*=151

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	0.875	0.125	0.819	0.875	0.262	0.852	0.93
$rgb^*_{Fa,\ 8bit}$	32	223	223	32	209	223	67	217	237
L^*, C^*_{ab}, h_{ab}	74.4	39.4	192.2	74.4	32.7	217.0	81.7	28.9	222.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.8	16.8	3D−it:	8.7	8.7	

3 Colours no. *j*=151

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	0.875	0.125	0.875	0.597	0.0	0.929	0.938
$olv^*_{Fa,\ 8bit}$	32	223	223	32	223	152	0	237	239
L^*, C^*_{ab}, h_{ab}	74.4	39.4	192.2	78.1	54.6	196.7	87.5	44.9	196.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.1	16.1	3D−in:	14.6	14.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
152	0.125	0.875	1.0	217.6	77.9	42.7	223.9	−30.6	−29.5	80.1	37.3	223.9	−26.8	−25.8	0.0	0.875	g56b	c10v		0.0	0.899	1.0	0.125	0.912	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
152	0.125	0.875	1.0	217.6	86.1	56.7	210.3	−48.9	−28.5	87.3	49.6	210.3	−42.7	−24.9	0.0	0.875	g43b	c13v		0.0	1.0	0.878	0.125	1.0	0.893

3 Colours no. *j*=152

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	1.0	0.125	0.912	1.0	0.251	0.913	1.0
$rgb^*_{Fa,\ 8bit}$	32	223	255	32	233	255	64	233	255
L^*, C^*_{ab}, h_{ab}	76.0	40.5	231.5	80.1	37.3	223.9	83.6	30.3	224.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−it:	7.8	7.8	

3 Colours no. *j*=152

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	1.0	0.125	1.0	0.893	0.0	0.998	1.0
$olv^*_{Fa,\ 8bit}$	32	223	255	32	255	228	0	255	255
L^*, C^*_{ab}, h_{ab}	76.0	40.5	231.5	87.3	49.6	210.3	87.3	43.4	197.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.0	22.0	3D−in:	26.9	26.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
153	0.125	1.0	0.0	143.4	85.3	72.0	154.5	−64.9	31.0	85.3	72.0	154.5	−64.9	31.0	0.0	1.0	j88g	l64c		0.0	1.0	0.642	0.0	1.0	0.642
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
153	0.125	1.0	0.0	143.4	86.3	109.6	129.1	−69.1	85.0	86.3	109.6	129.1	−69.1	85.0	0.0	1.0	j52g	y89l		0.473	1.0	0.0	0.473	1.0	0.0

3 Colours no. *j*=153

output of the elementary colour *e*:

rgb input (in):									
	0.125	1.0	0.0	0.0	1.0	0.642	0.0	1.0	0.642
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	32	255	0	0	255	164	0	255	164
L^*, C^*_{ab}, h_{ab}	84.5	117.0	131.8	85.3	72.0	154.5	85.4	72.3	153.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	57.8	57.8	3D−it:	1.6	1.6	

3 Colours no. *j*=153

output of the device colour *d*:

rgb input (in):									
	0.125	1.0	0.0	0.473	1.0	0.0	0.354	1.0	0.085
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	32	255	0	121	255	0	90	255	22
L^*, C^*_{ab}, h_{ab}	84.5	117.0	131.8	86.3	109.6	129.1	86.9	110.6	127.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−in:	11.1	11.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
154	0.125	1.0	0.125	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
154	0.125	1.0	0.125	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
86.9	55.6	162.2	−52.8	17.0
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
87.2	96.9	132.5	−65.4	71.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	j99g	l77c		0.0	1.0	0.774	0.125	1.0	0.802
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j57g	y100l		0.425	1.0	0.0	0.497	1.0	0.125

3 Colours no. *j*=154

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	1.0	0.125	0.125	1.0	0.802	0.269	1.0	0.819
$rgb^*_{Fa,\ 8bit}$	32	255	32	32	255	205	69	255	209
L^*, C^*_{ab}, h_{ab}	84.6	111.3	133.6	86.9	55.6	162.2	87.1	55.9	155.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	67.9	67.9	3D−it:	6.2	6.2	

3 Colours no. *j*=154

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	1.0	0.125	0.497	1.0	0.125	0.376	1.0	0.241
$olv^*_{Fa,\ 8bit}$	32	255	32	127	255	32	96	255	62
L^*, C^*_{ab}, h_{ab}	84.6	111.3	133.6	87.2	96.9	132.5	88.4	98.4	131.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.7	14.7	3D−in:	14.3	14.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
155	0.125	1.0	0.25	157.6	86.0	57.6	169.1	−56.4	10.8	87.2	50.4	169.1	−49.4	9.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
155	0.125	1.0	0.25	157.6	85.3	113.4	140.6	−87.5	71.9	86.6	99.2	140.6	−76.6	62.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	g06b	l87c		0.0	1.0	0.866	0.125	1.0	0.882
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j68g	l13c		0.309	1.0	0.0	0.395	1.0	0.125

3 Colours no. *j*=155

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	1.0	0.25	0.125	1.0	0.882	0.275	1.0	0.886
$rgb^*_{Fa,\ 8bit}$	32	255	64	32	255	225	70	255	226
L^*, C^*_{ab}, h_{ab}	84.8	99.7	137.9	87.2	50.4	169.1	87.7	49.2	167.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	62.4	62.4	3D−it:	2.3	2.3	

3 Colours no. *j*=155

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	1.0	0.25	0.395	1.0	0.125	0.125	0.977	0.282
$olv^*_{Fa,\ 8bit}$	32	255	64	101	255	32	32	249	72
L^*, C^*_{ab}, h_{ab}	84.8	99.7	137.9	86.6	99.2	140.6	88.4	99.7	137.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−in:	3.7	3.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 156/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
156	0.125	1.0	0.375	166.1	86.4	54.2	176.9	−54.0	2.9	87.5	47.4	176.9	−47.2	2.5	0.0	0.875	g13b	l91c		0.0	1.0	0.908	0.125	1.0	0.919
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
156	0.125	1.0	0.375	166.1	84.7	116.0	149.7	−100.0	58.5	86.1	101.5	149.7	−87.5	51.2	0.0	0.875	j81g	l27c		0.179	1.0	0.0	0.281	1.0	0.125

3 Colours no. *j*=156

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	1.0	0.375	0.125	1.0	0.919	0.245	1.0	0.923
$rgb^*_{Fa,\ 8bit}$	32	255	96	32	255	234	62	255	235
L^*, C^*_{ab}, h_{ab}	98.9	103.1	142.1	87.5	47.4	176.9	88.3	45.1	165.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	70.6	70.6	3D−it:	9.3	9.3

3 Colours no. *j*=156

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	1.0	0.375	0.281	1.0	0.125	0.0	1.0	0.376
$olv^*_{Fa,\ 8bit}$	32	255	96	72	255	32	0	255	96
L^*, C^*_{ab}, h_{ab}	98.9	103.1	142.1	86.1	101.5	149.7	98.9	103.1	142.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	18.8	18.8	3D−in:	0.0	0.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
157	0.125	1.0	0.5	175.3	86.8	50.9	185.3	−50.6	−4.6	87.9	44.5	185.3	−44.2	−4.0	0.0	0.875	g21b	l95c		0.0	1.0	0.947	0.125	1.0	0.954
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
157	0.125	1.0	0.5	175.3	84.4	117.7	159.6	−110.241.1		85.8	103.0	159.6	−96.4	36.0	0.0	0.875	j95g	l42c		0.038	1.0	0.0	0.158	1.0	0.125

3 Colours no. *j*=157

output of the elementary colour *e*:

rgb input (in):									
	0.125	1.0	0.5	0.125	1.0	0.954	0.239	1.0	0.959
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	255	128	32	255	243	61	255	244
L^*, C^*_{ab}, h_{ab}	85.2	80.3	147.3	87.9	44.5	185.3	88.6	36.1	175.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	53.0	53.0	3D−it:	11.0	11.0	

linear interpolation (it): 3D interpolation (3D):

3 Colours no. *j*=157

output of the device colour *d*:

rgb input (in):									
	0.125	1.0	0.5	0.158	1.0	0.125	0.0	1.0	0.502
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	255	128	40	255	32	0	255	128
L^*, C^*_{ab}, h_{ab}	85.2	80.3	147.3	85.8	103.0	159.6	98.9	103.1	142.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.9	29.9	3D−in:	27.8	27.8	

linear interpolation (it): 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
158	0.125	1.0	0.625	184.7	87.2	47.5	193.9	−46.0	−11.3	88.2	41.6	193.9	−40.2	−9.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
158	0.125	1.0	0.625	184.7	84.4	111.4	169.6	−109.5	20.0	85.8	97.5	169.6	−95.8	17.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.0	0.875	g28b	l99c		0.0	1.0	0.987	0.125	1.0	0.989
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.0	0.875	g07b	l58c		0.0	1.0	0.136	0.125	1.0	0.244

3 Colours no. *j*=158

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	1.0	0.625	0.125	1.0	0.989	0.272	1.0	0.991
$rgb^*_{Fa,\ 8bit}$	32	255	159	32	255	252	69	255	253
L^*, C^*_{ab}, h_{ab}	85.5	71.8	152.8	88.2	41.6	193.9	88.5	40.5	191.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	48.9	48.9	3D−it:	2.4	2.4

3 Colours no. *j*=158

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	1.0	0.625	0.125	1.0	0.244	0.0	1.0	0.624
$olv^*_{Fa,\ 8bit}$	32	255	159	32	255	62	0	255	159
L^*, C^*_{ab}, h_{ab}	85.5	71.8	152.8	85.8	97.5	169.6	85.9	77.4	145.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	35.5	35.5	3D−in:	11.5	11.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
159	0.125	1.0	0.75	193.9	85.4	45.6	202.3	−42.1	−17.2	86.6	39.9	202.3	−36.8	−15.0	0.0	0.875	g36b	c02v		0.0	0.979	1.0	0.125	0.982	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
159	0.125	1.0	0.75	193.9	84.7	95.8	179.5	−95.6	0.9	86.0	83.8	179.5	−83.7	0.8	0.0	0.875	g15b	l73c		0.0	1.0	0.315	0.125	1.0	0.401

3 Colours no. j=159

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	1.0	0.75	0.125	0.982	1.0	0.26	0.984	1.0
$rgb^*_{Fa,\ 8bit}$	32	255	191	32	250	255	66	251	255
L^*, C^*_{ab}, h_{ab}	85.8	63.7	159.6	86.6	39.9	202.3	88.6	37.7	197.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	43.7	43.7	3D−it:	4.5	4.5	

3 Colours no. j=159

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	1.0	0.75	0.125	1.0	0.401	0.0	1.0	0.875
$olv^*_{Fa,\ 8bit}$	32	255	191	32	255	102	0	255	223
L^*, C^*_{ab}, h_{ab}	85.8	63.7	159.6	86.0	83.8	179.5	86.3	60.4	157.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	32.2	32.2	3D−in:	3.9	3.9	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
160	0.125	1.0	0.875	202.4	82.7	44.6	210.1	−38.5	−22.2	84.3	39.0	210.1	−33.7	−19.4	0.0	0.875	g43b	c05v		0.0	0.951	1.0	0.125	0.957	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
160	0.125	1.0	0.875	202.4	85.0	83.0	188.6	−81.9	−12.3	86.3	72.6	188.6	−71.7	−10.7	0.0	0.875	g24b	l87c		0.0	1.0	0.481	0.125	1.0	0.546

3 Colours no. *j*=160

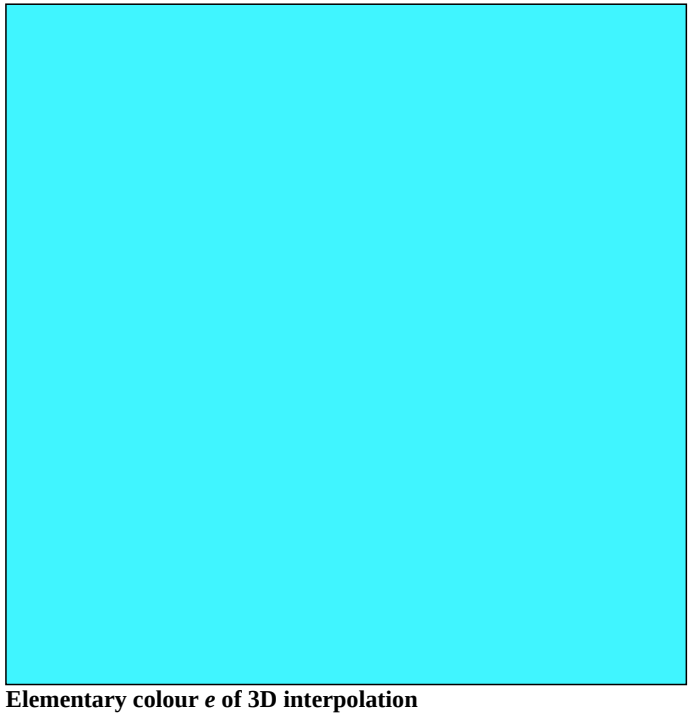
output of the elementary colour *e*:

rgb input (in):									
	0.125	1.0	0.875	0.125	0.957	1.0	0.251	0.959	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	255	223	32	244	255	64	245	255
L^*, C^*_{ab}, h_{ab}	86.2	55.6	169.3	84.3	39.0	210.1	88.6	33.5	199.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	36.5	36.5	3D−it:	9.6	9.6

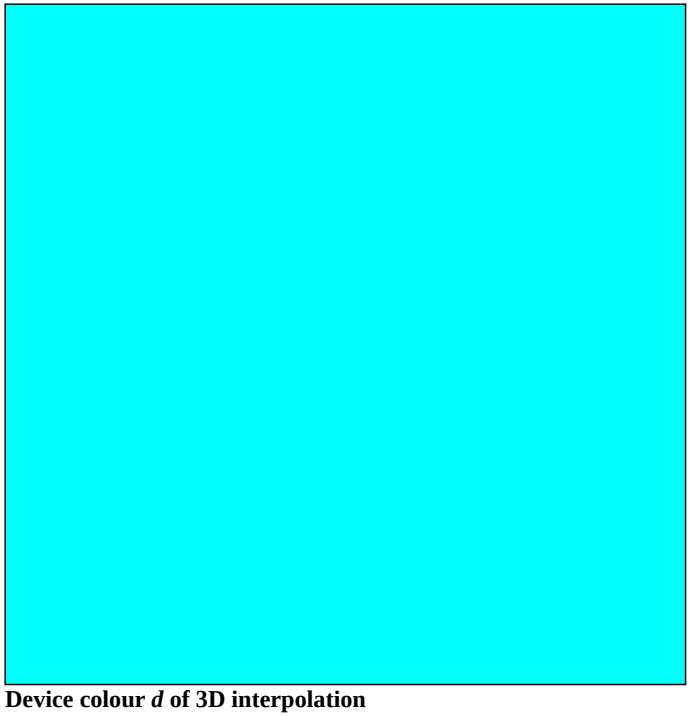
3 Colours no. *j*=160

output of the device colour *d*:

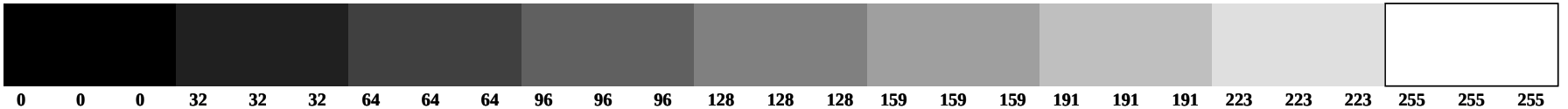
rgb input (in):									
	0.125	1.0	0.875	0.125	1.0	0.546	0.0	1.0	0.979
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	255	223	32	255	139	0	255	250
L^*, C^*_{ab}, h_{ab}	86.2	55.6	169.3	86.3	72.6	188.6	87.4	48.2	165.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	27.3	27.3	3D−in:	8.3	8.3



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
161	0.125	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	82.2	38.2	217.0	−30.4	−22.9	0.0	0.875	g50b	c08v		0.0	0.925	1.0	0.125	0.934	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
161	0.125	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	86.6	63.7	196.7	−60.9	−18.2	0.0	0.875	g31b	c00v		0.0	1.0	0.63	0.125	1.0	0.676

3 Colours no. *j*=161

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	1.0	1.0	0.125	0.934	1.0	0.251	0.936	1.0
$rgb^*_{Fa,\ 8bit}$	32	255	255	32	238	255	64	239	255
L^*, C^*_{ab}, h_{ab}	87.5	44.9	196.9	82.2	38.2	217.0	88.6	27.4	204.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.8	16.8	3D−it:	14.4	14.4	

3 Colours no. *j*=161

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	1.0	1.0	0.125	1.0	0.676	0.0	1.0	1.0
$olv^*_{Fa,\ 8bit}$	32	255	255	32	255	172	0	255	255
L^*, C^*_{ab}, h_{ab}	87.5	44.9	196.9	86.6	63.7	196.7	87.3	46.4	196.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.8	18.8	3D−in:	1.5	1.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
162	0.25	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	26.4	20.3	25.5	18.3	8.7	0.75	0.25	b99r	m81o		1.0	0.0	0.189	0.25	0.0	0.047
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
162	0.25	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	27.1	21.6	38.2	16.9	13.3	0.75	0.25	r19j	m100o		1.0	0.19	0.0	0.25	0.048	0.0

3 Colours no. *j*=162

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.0	0.0	0.25	0.0	0.047	0.289	0.061	0.052
$rgb^*_{Fa,\ 8bit}$	64	0	0	64	0	12	74	15	13
L^*, C^*_{ab}, h_{ab}	23.2	20.7	26.3	26.4	20.3	25.5	29.6	20.7	26.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.2	3.2	3D−it:	3.2	3.2	

3 Colours no. *j*=162

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.0	0.0	0.25	0.048	0.0	0.299	0.08	0.018
$olv^*_{Fa,\ 8bit}$	64	0	0	64	12	0	76	20	5
L^*, C^*_{ab}, h_{ab}	23.2	20.7	26.3	27.1	21.6	38.2	30.8	28.5	39.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−in:	12.3	12.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
163	0.25	0.0	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	26.7	19.5	357.0	19.5	−0.9	0.75	0.25	b75r	m47o		1.0	0.0	0.529	0.25	0.0	0.132
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
163	0.25	0.0	0.125	0.0	53.4	76.6	2.4	76.5	3.2	26.6	19.1	2.4	19.1	0.8	0.75	0.25	b79r	m50o		1.0	0.0	0.406	0.25	0.0	0.101

3 Colours no. *j*=163

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.0	0.125	0.25	0.0	0.132	0.279	0.068	0.143
$rgb^*_{Fa,\ 8bit}$	64	0	32	64	0	34	71	17	36
L^*, C^*_{ab}, h_{ab}	23.7	22.0	351.7	26.7	19.5	357.0	29.7	21.8	3.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.4	4.4	3D−it:	4.4	4.4	

3 Colours no. *j*=163

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.0	0.125	0.25	0.0	0.101	0.28	0.066	0.13
$olv^*_{Fa,\ 8bit}$	64	0	32	64	0	26	71	17	33
L^*, C^*_{ab}, h_{ab}	23.7	22.0	351.7	26.6	19.1	2.4	29.5	22.3	12.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−in:	9.9	9.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
164	0.25	0.0	0.25	330.0	57.9	105.3	328.6	89.9	−54.7	27.7	26.3	328.6	22.5	−13.6	0.75	0.25	b50r	m02o		1.0	0.0	0.976	0.25	0.0	0.244
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
164	0.25	0.0	0.25	330.0	56.9	108.7	326.6	90.8	−59.7	27.5	27.2	326.6	22.7	−14.8	0.75	0.25	b47r	m00o		0.965	0.0	1.0	0.241	0.0	0.25

3 Colours no. *j*=164

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.0	0.25	0.25	0.0	0.244	0.275	0.084	0.232
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	0	64	64	0	62	70	21	59
L^*, C^*_{ab}, h_{ab}	24.7	35.8	322.8	27.7	26.3	328.6	28.4	28.8	336.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−it:	4.4	4.4	

3 Colours no. *j*=164

output of the device colour *d*:

rgb input (in):									
	0.25	0.0	0.25	0.241	0.0	0.25	0.269	0.08	0.237
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	0	64	62	0	64	69	20	60
L^*, C^*_{ab}, h_{ab}	24.7	35.8	322.8	27.5	27.2	326.6	28.4	30.3	332.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−in:	8.5	8.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
165	0.25	0.0	0.375	310.9	42.3	114.4	310.5	74.3	−86.8	26.9	42.9	310.5	27.9	−32.5	0.625	0.375	b33r	v49m		0.493	0.0	1.0	0.185	0.0	0.375
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
165	0.25	0.0	0.375	310.9	51.8	109.6	319.4	83.3	−71.2	30.5	41.1	319.4	31.2	−26.6	0.625	0.375	b41r	v68m		0.839	0.0	1.0	0.315	0.0	0.375

3 Colours no. *j*=165

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.0	0.375	0.185	0.0	0.375	0.221	0.064	0.368
$rgb^*_{Fa,\ 8bit}$	64	0	96	47	0	96	56	16	94
L^*, C^*_{ab}, h_{ab}	25.9	49.5	314.6	26.9	42.9	310.5	29.5	42.4	315.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−it:	4.7	4.7	

3 Colours no. *j*=165

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.0	0.375	0.315	0.0	0.375	0.325	0.097	0.369
$olv^*_{Fa,\ 8bit}$	64	0	96	80	0	96	83	25	94
L^*, C^*_{ab}, h_{ab}	25.9	49.5	314.6	30.5	41.1	319.4	32.5	40.4	323.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−in:	13.1	13.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
166	0.25	0.0	0.5	300.0	39.4	107.0	300.2	53.8	−92.4	28.5	53.5	300.2	26.9	−46.2	0.5	0.5	b25r	c83v		0.0	0.173	1.0	0.0	0.087	0.5
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
166	0.25	0.0	0.5	300.0	49.6	110.4	315.3	78.5	−77.5	33.6	55.2	315.3	39.3	−38.7	0.5	0.5	b38r	v50m		0.767	0.0	1.0	0.383	0.0	0.5

3 Colours no. *j*=166

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.0	0.5	0.0	0.087	0.5	0.14	0.128	0.515
$rgb^*_{Fa,\ 8bit}$	64	0	128	0	22	128	36	33	131
L^*, C^*_{ab}, h_{ab}	27.1	62.4	311.3	28.5	53.5	300.2	29.2	53.8	301.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−it:	1.3	1.3	

3 Colours no. *j*=166

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.0	0.5	0.383	0.0	0.5	0.376	0.121	0.527
$olv^*_{Fa,\ 8bit}$	64	0	128	98	0	128	96	31	134
L^*, C^*_{ab}, h_{ab}	27.1	62.4	311.3	33.6	55.2	315.3	33.7	54.6	318.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−in:	12.4	12.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
167	0.25	0.0	0.625	293.4	45.7	89.7	293.9	36.4	−81.9	35.2	56.1	293.9	22.8	−51.2	0.375	0.625	b19r	c69v		0.0	0.309	1.0	0.0	0.193	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
167	0.25	0.0	0.625	293.4	48.3	111.0	312.9	75.5	−81.2	36.8	69.3	312.9	47.2	−50.7	0.375	0.625	b35r	v39m		0.723	0.0	1.0	0.452	0.0	0.625

3 Colours no. *j*=167

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.0	0.625	0.0	0.193	0.625	0.128	0.215	0.672
$rgb^*_{Fa,\ 8bit}$	64	0	159	0	49	159	33	55	171
L^*, C^*_{ab}, h_{ab}	28.5	73.9	309.5	35.2	56.1	293.9	38.0	53.9	296.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.8	25.8	3D−it:	4.2	4.2	

3 Colours no. *j*=167

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.0	0.625	0.452	0.0	0.625	0.412	0.132	0.688
$olv^*_{Fa,\ 8bit}$	64	0	159	115	0	159	105	34	175
L^*, C^*_{ab}, h_{ab}	28.5	73.9	309.5	36.8	69.3	312.9	39.0	69.5	317.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	15.1	15.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
168	0.25	0.0	0.75	289.1	49.2	80.6	289.9	27.4	−75.7	41.3	60.5	289.9	20.5	−56.8	0.25	0.75	b16r	c62v		0.0	0.383	1.0	0.0	0.287	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
168	0.25	0.0	0.75	289.1	47.5	111.4	311.3	73.5	−83.7	40.0	83.6	311.3	55.1	−62.7	0.25	0.75	b34r	v32m		0.695	0.0	1.0	0.521	0.0	0.75

3 Colours no. *j*=168

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.0	0.75	0.0	0.287	0.75	0.106	0.298	0.826
$rgb^*_{Fa,\ 8bit}$	64	0	191	0	73	191	27	76	211
L^*, C^*_{ab}, h_{ab}	30.2	85.3	308.4	41.3	60.5	289.9	44.7	58.4	291.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.8	35.8	3D−it:	4.4	4.4	

3 Colours no. *j*=168

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.0	0.75	0.521	0.0	0.75	0.458	0.14	0.865
$olv^*_{Fa,\ 8bit}$	64	0	191	133	0	191	117	36	220
L^*, C^*_{ab}, h_{ab}	30.2	85.3	308.4	40.0	83.6	311.3	40.5	85.9	313.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	12.5	12.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
169	0.25	0.0	0.875	286.1	51.3	76.0	287.0	22.2	−72.6	47.1	66.5	287.0	19.5	−63.5	0.125	0.875	b13r	c58v		0.0	0.424	1.0	0.0	0.371	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
169	0.25	0.0	0.875	286.1	46.9	111.7	310.1	72.0	−85.3	43.3	97.8	310.1	63.0	−74.7	0.125	0.875	b33r	v27m		0.675	0.0	1.0	0.591	0.0	0.875

3 Colours no. *j*=169

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.0	0.875	0.0	0.371	0.875	0.027	0.376	0.927
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	64	0	223	0	95	223	7	96	236
L^*, C^*_{ab}, h_{ab}	32.3	97.0	307.6	47.1	66.5	287.0	55.4	66.0	290.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	44.4	44.4	3D−it:	9.5	9.5	

3 Colours no. *j*=169

output of the device colour *d*:

rgb input (in):									
	0.25	0.0	0.875	0.591	0.0	0.875	0.494	0.14	0.95
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	64	0	223	151	0	223	126	36	242
L^*, C^*_{ab}, h_{ab}	32.3	97.0	307.6	43.3	97.8	310.1	51.4	97.4	312.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.8	11.8	3D−in:	20.9	20.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
170	0.25	0.0	1.0	283.9	52.8	72.7	284.9	18.7	−70.1	52.8	72.7	284.9	18.7	−70.1	0.0	1.0	b11r	c55v		0.0	0.455	1.0	0.0	0.455	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
170	0.25	0.0	1.0	283.9	46.5	112.0	309.3	70.9	−86.5	46.5	112.0	309.3	70.9	−86.5	0.0	1.0	b32r	v23m		0.66	0.0	1.0	0.66	0.0	1.0

3 Colours no. j=170

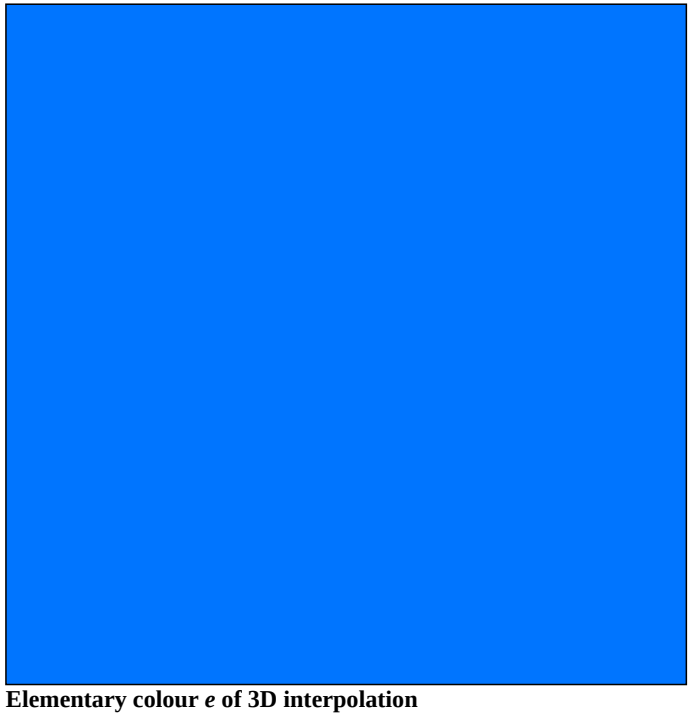
output of the elementary colour e:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.0	1.0	0.0	0.455	1.0	0.0	0.458	1.0
$rgb^*_{Fa,\ 8bit}$	64	0	255	0	116	255	0	117	255
L^*, C^*_{ab}, h_{ab}	37.4	118.5	306.3	52.8	72.7	284.9	58.9	68.9	286.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	59.3	59.3	3D−it:	7.5	7.5

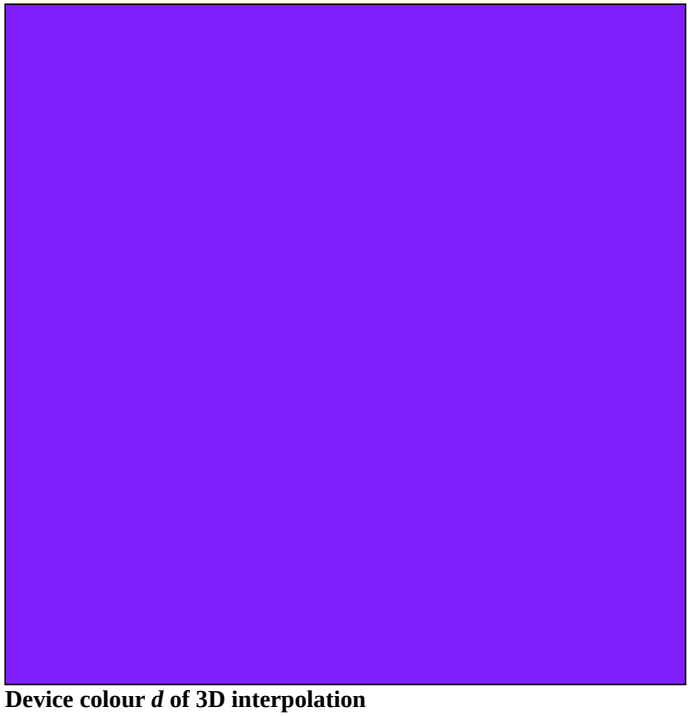
3 Colours no. j=170

output of the device colour d:

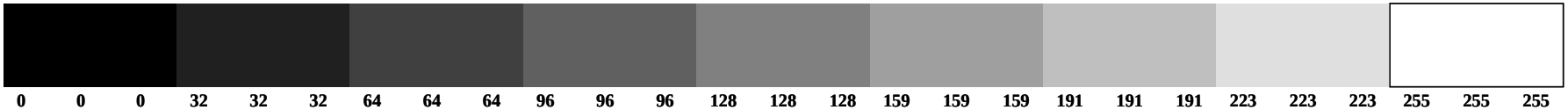
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.0	1.0	0.66	0.0	1.0	0.5	0.125	1.0
$olv^*_{Fa,\ 8bit}$	64	0	255	168	0	255	128	32	255
L^*, C^*_{ab}, h_{ab}	37.4	118.5	306.3	46.5	112.0	309.3	48.6	110.9	311.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.7	12.7	3D−in:	16.6	16.6



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
171	0.25	0.125	0.0	60.0	63.5	79.7	58.9	41.2	68.2	29.1	19.9	58.9	10.3	17.1	0.75	0.25	r49j	o43y		1.0	0.434	0.0	0.25	0.108	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
171	0.25	0.125	0.0	60.0	72.5	80.1	70.0	27.4	75.3	31.4	20.0	70.0	6.9	18.8	0.75	0.25	r66j	o50y		1.0	0.666	0.0	0.25	0.166	0.0

3 Colours no. *j*=171

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.125	0.0	0.25	0.108	0.0	0.287	0.141	0.009
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	64	32	0	64	28	0	73	36	2
L^*, C^*_{ab}, h_{ab}	27.2	17.6	58.3	29.1	19.9	58.9	31.0	22.3	59.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−it:	3.0	3.0	

3 Colours no. *j*=171

output of the device colour *d*:

rgb input (in):									
	0.25	0.125	0.0	0.25	0.166	0.0	0.295	0.173	0.024
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	64	32	0	64	42	0	75	44	6
L^*, C^*_{ab}, h_{ab}	27.2	17.6	58.3	31.4	20.0	70.0	35.5	24.5	67.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−in:	11.4	11.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
172	0.25	0.125	0.125	30.0	52.7	81.3	25.5	73.4	34.9	31.8	10.2	25.5	9.2	4.4	0.75	0.125	b99r	m81o		1.0	0.0	0.189	0.25	0.125	0.149
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
172	0.25	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	32.1	10.8	38.2	8.5	6.7	0.75	0.125	r19j	m100o		1.0	0.19	0.0	0.25	0.149	0.125

3 Colours no. *j*=172

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.125	0.125	0.25	0.125	0.149	0.283	0.176	0.158
$rgb^*_{Fa,\ 8bit}$	64	32	32	64	32	38	72	45	40
L^*, C^*_{ab}, h_{ab}	27.6	12.4	14.9	31.8	10.2	25.5	35.9	13.2	24.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−it:	5.1	5.1	

3 Colours no. *j*=172

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.125	0.125	0.25	0.149	0.125	0.29	0.181	0.147
$olv^*_{Fa,\ 8bit}$	64	32	32	64	38	32	74	46	38
L^*, C^*_{ab}, h_{ab}	27.6	12.4	14.9	32.1	10.8	38.2	38.5	16.5	51.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	14.7	14.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
173	0.25	0.125	0.25	330.0	57.9	105.2	328.6	89.9	−54.7	32.4	13.2	328.6	11.2	−6.7	0.75	0.125	b50r	m02o		1.0	0.0	0.975	0.25	0.125	0.247
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
173	0.25	0.125	0.25	330.0	56.9	108.7	326.7	90.8	−59.6	32.3	13.6	326.7	11.3	−7.4	0.75	0.125	b47r	m00o		0.966	0.0	1.0	0.246	0.125	0.25

3 Colours no. *j*=173

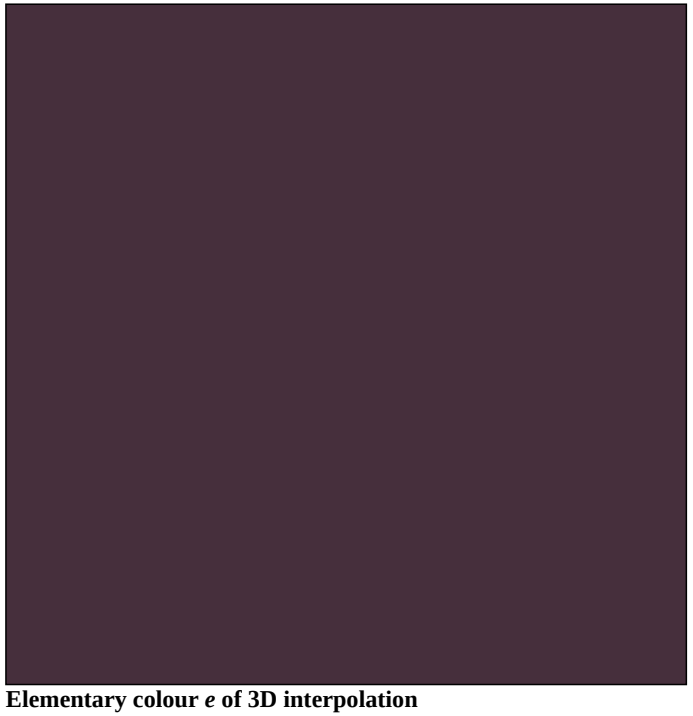
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.125	0.25	0.25	0.125	0.247	0.274	0.183	0.235
$rgb^*_{Fa,\ 8bit}$	64	32	64	64	32	63	70	47	60
L^*, C^*_{ab}, h_{ab}	28.4	24.3	319.9	32.4	13.2	328.6	39.2	15.5	359.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−it:	10.6	10.6	

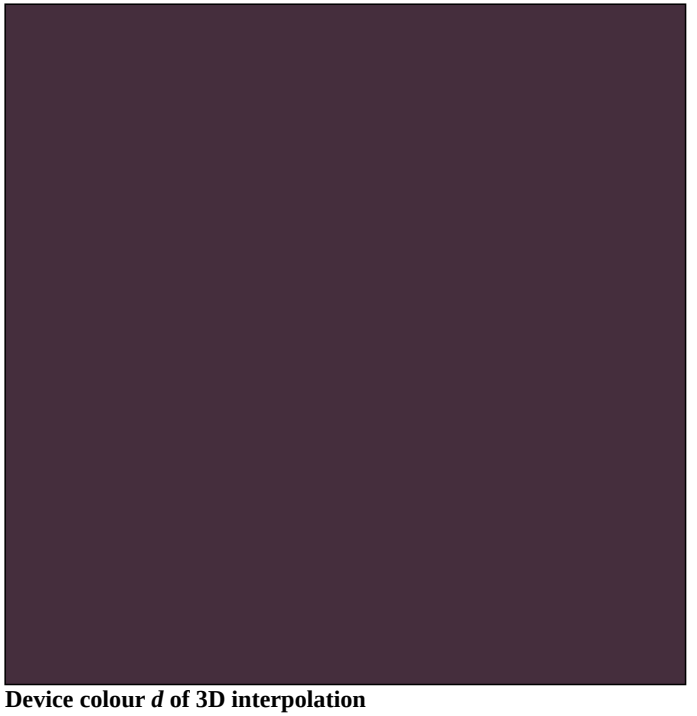
3 Colours no. *j*=173

output of the device colour *d*:

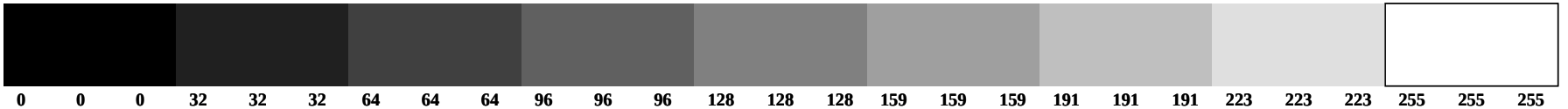
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.125	0.25	0.246	0.125	0.25	0.272	0.182	0.238
$olv^*_{Fa,\ 8bit}$	64	32	64	63	32	64	69	46	61
L^*, C^*_{ab}, h_{ab}	28.4	24.3	319.9	32.3	13.6	326.7	39.2	15.6	355.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	18.3	18.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
174	0.25	0.125	0.375	300.0	39.4	107.1	300.2	53.9	−92.5	32.8	26.8	300.2	13.5	−23.0	0.625	0.25	b25r	c83v		0.0	0.173	1.0	0.125	0.168	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
174	0.25	0.125	0.375	300.0	49.6	110.3	315.4	78.5	−77.4	35.4	27.6	315.4	19.6	−19.3	0.625	0.25	b38r	v50m		0.767	0.0	1.0	0.317	0.125	0.375

3 Colours no. *j*=174

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.125	0.375	0.125	0.168	0.375	0.224	0.192	0.369
$rgb^*_{Fa,\ 8bit}$	64	32	96	32	43	96	57	49	94
L^*, C^*_{ab}, h_{ab}	29.5	38.9	310.6	32.8	26.8	300.2	39.9	29.3	316.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.9	13.9	3D−it:	10.9	10.9	

3 Colours no. *j*=174

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.125	0.375	0.317	0.125	0.375	0.329	0.198	0.373
$olv^*_{Fa,\ 8bit}$	64	32	96	81	32	96	84	50	95
L^*, C^*_{ab}, h_{ab}	29.5	38.9	310.6	35.4	27.6	315.4	39.9	24.7	329.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−in:	20.2	20.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
175	0.25	0.125	0.5	289.1	49.2	80.6	289.9	27.4	−75.7	39.2	30.2	289.9	10.3	−28.3	0.5	0.375	b16r	c62v			0.0	0.383	1.0	0.125	0.269	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
175	0.25	0.125	0.5	289.1	47.5	111.4	311.3	73.5	−83.7	38.6	41.8	311.3	27.5	−31.3	0.5	0.375	b34r	v32m			0.695	0.0	1.0	0.386	0.125	0.5

3 Colours no. *j*=175

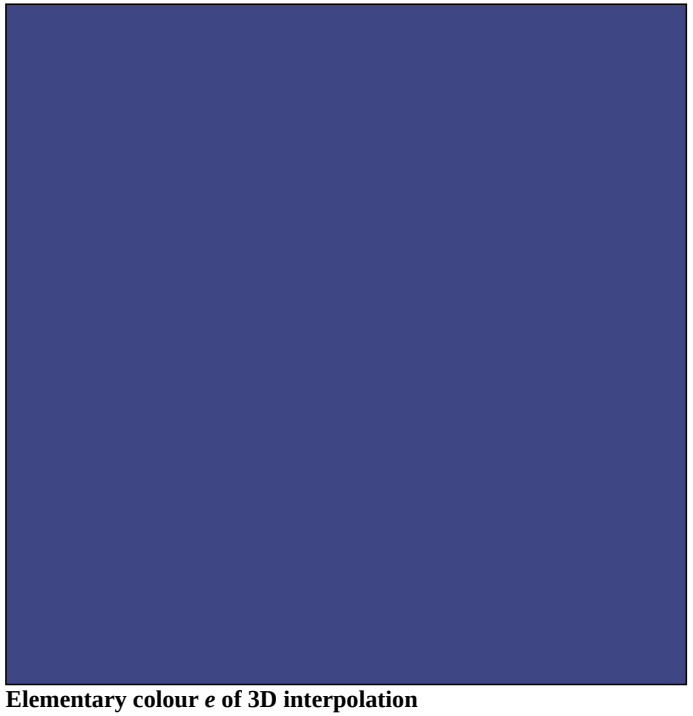
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.125	0.5	0.125	0.269	0.5	0.243	0.279	0.512
$rgb^*_{Fa,\ 8bit}$	64	32	128	32	68	128	62	71	131
L^*, C^*_{ab}, h_{ab}	30.6	52.4	307.5	39.2	30.2	289.9	40.7	30.2	296.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.8	26.8	3D−it:	4.0	4.0	

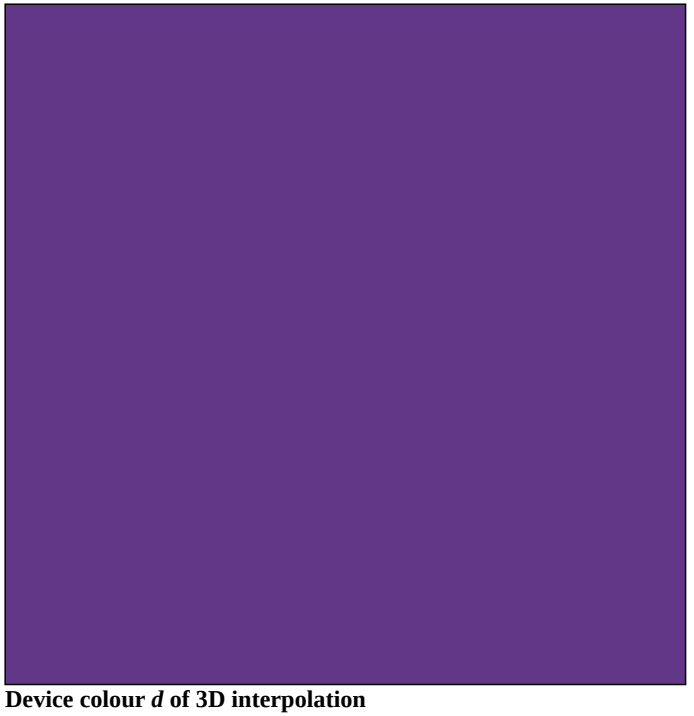
3 Colours no. *j*=175

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.125	0.5	0.386	0.125	0.5	0.384	0.216	0.533
$olv^*_{Fa,\ 8bit}$	64	32	128	98	32	128	98	55	136
L^*, C^*_{ab}, h_{ab}	30.6	52.4	307.5	38.6	41.8	311.3	43.5	45.2	317.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.7	13.7	3D−in:	17.2	17.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
176	0.25	0.125	0.625	283.9	52.8	72.7	284.9	18.7	−70.1	44.9	36.3	284.9	9.4	−35.0	0.375	0.5	b11r	c55v		0.0	0.455	1.0	0.125	0.352	0.625
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
176	0.25	0.125	0.625	283.9	46.5	112.0	309.3	70.9	−86.5	41.8	56.0	309.3	35.5	−43.2	0.375	0.5	b32r	v23m		0.66	0.0	1.0	0.455	0.125	0.625

3 Colours no. *j*=176

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.125	0.625	0.125	0.352	0.625	0.256	0.359	0.672
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	32	159	32	90	159	65	92	171
L^*, C^*_{ab}, h_{ab}	31.8	64.3	306.2	44.9	36.3	284.9	46.3	31.9	290.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	35.7	35.7	3D−it:	5.6	5.6

3 Colours no. *j*=176

output of the device colour *d*:

rgb input (in):									
	0.25	0.125	0.625	0.455	0.125	0.625	0.43	0.233	0.705
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	32	159	116	32	159	110	59	180
L^*, C^*_{ab}, h_{ab}	31.8	64.3	306.2	41.8	56.0	309.3	44.4	57.8	311.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.4	13.4	3D−in:	15.4	15.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
177	0.25	0.125	0.75	280.9	54.8	68.1	282.1	14.2	−66.5	50.6	42.5	282.1	8.9	−41.5	0.25	0.625	b09r	c50v		0.0	0.496	1.0	0.125	0.435	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
177	0.25	0.125	0.75	280.9	46.0	112.3	308.2	69.4	−88.2	45.1	70.2	308.2	43.4	−55.1	0.25	0.625	b31r	v18m		0.641	0.0	1.0	0.525	0.125	0.75

3 Colours no. *j*=177

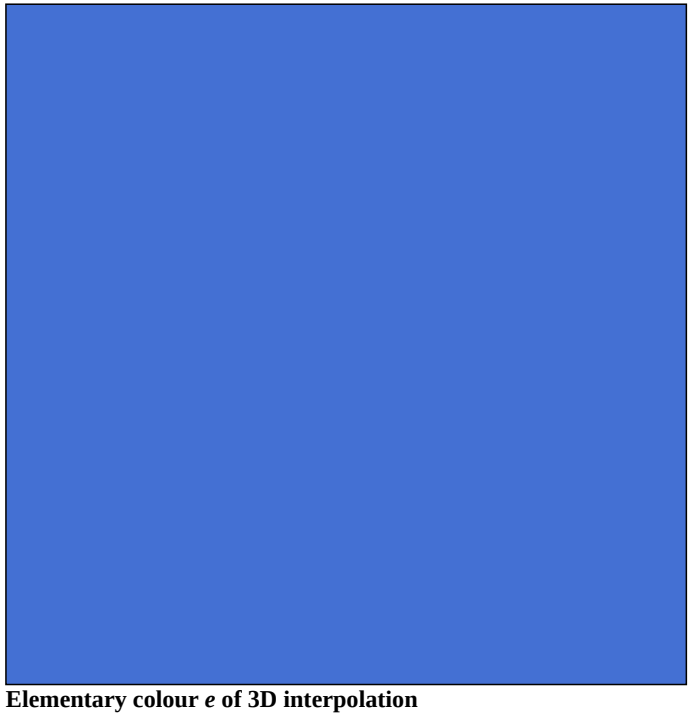
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.125	0.75	0.125	0.435	0.75	0.267	0.441	0.827
$rgb^*_{Fa,\ 8bit}$	64	32	191	32	111	191	68	113	211
L^*, C^*_{ab}, h_{ab}	33.1	75.9	305.7	50.6	42.5	282.1	55.3	40.1	283.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	44.2	44.2	3D−it:	5.4	5.4	

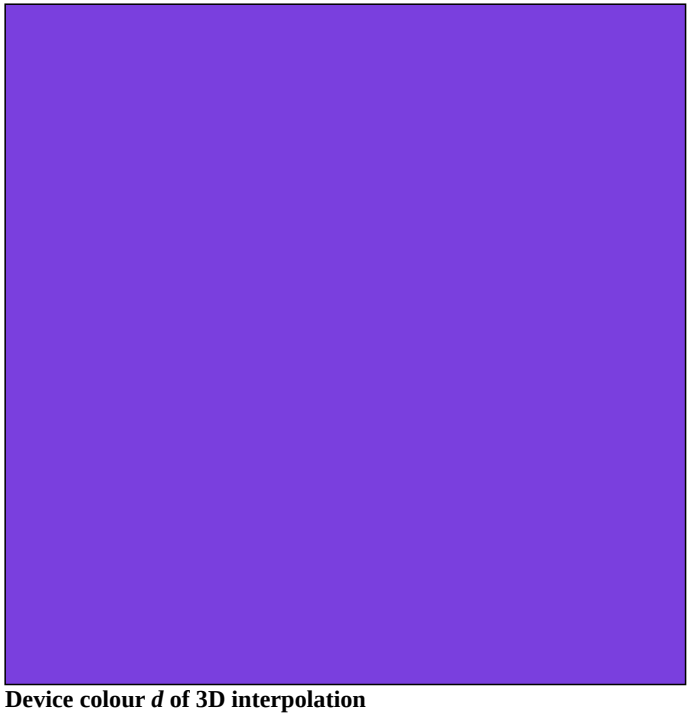
3 Colours no. *j*=177

output of the device colour *d*:

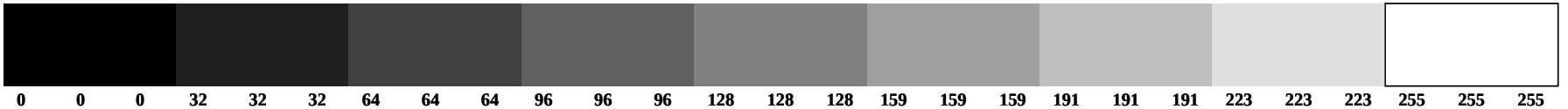
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.125	0.75	0.525	0.125	0.75	0.477	0.249	0.871
$olv^*_{Fa,\ 8bit}$	64	32	191	134	32	191	122	63	222
L^*, C^*_{ab}, h_{ab}	33.1	75.9	305.7	45.1	70.2	308.2	45.7	70.2	309.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−in:	14.4	14.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
178	0.25	0.125	0.875	279.0	55.8	66.0	280.2	11.7	−64.9	56.0	49.5	280.2	8.8	−48.6	0.125	0.75	b07r	c48v		0.0	0.518	1.0	0.125	0.513	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
178	0.25	0.125	0.875	279.0	45.6	112.5	307.4	68.4	−89.2	48.3	84.4	307.4	51.3	−66.9	0.125	0.75	b31r	v15m		0.628	0.0	1.0	0.596	0.125	0.875

3 Colours no. *j*=178

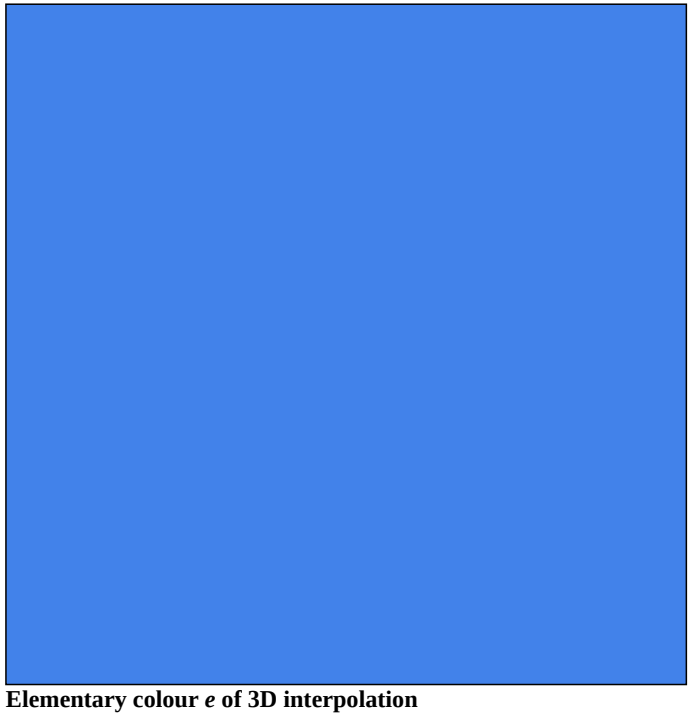
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.125	0.875	0.125	0.513	0.875	0.259	0.51	0.917
$rgb^*_{Fa,\ 8bit}$	64	32	223	32	131	223	66	130	234
L^*, C^*_{ab}, h_{ab}	35.1	88.8	305.3	56.0	49.5	280.2	63.5	46.5	282.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	53.0	53.0	3D−it:	8.3	8.3	

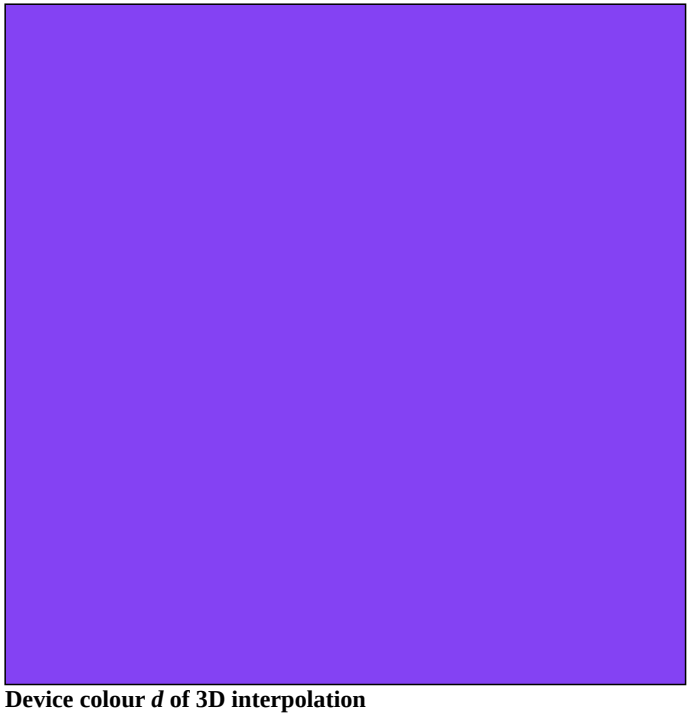
3 Colours no. *j*=178

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.125	0.875	0.596	0.125	0.875	0.516	0.258	0.953
$olv^*_{Fa,\ 8bit}$	64	32	223	152	32	223	132	66	243
L^*, C^*_{ab}, h_{ab}	35.1	88.8	305.3	48.3	84.4	307.4	56.1	84.5	310.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.3	14.3	3D−in:	23.0	23.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
179	0.25	0.125	1.0	277.6	56.5	64.7	278.9	10.1	−63.8	61.4	56.6	278.9	8.8	−55.8	0.0	0.875	b06r	c47v		0.0	0.532	1.0	0.125	0.591	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
179	0.25	0.125	1.0	277.6	45.4	112.6	306.9	67.6	−89.9	51.6	98.5	306.9	59.2	−78.7	0.0	0.875	b30r	v13m		0.619	0.0	1.0	0.666	0.125	1.0

3 Colours no. *j*=179

output of the elementary colour *e*:

rgb input (in):								
rgb^*_{Fa}	0.25	0.125	1.0	0.125	0.591	1.0	0.254	0.593	0.995
$rgb^*_{Fa,\ 8bit}$	64	32	255	32	151	255	65	151	254
L^*, C^*_{ab}, h_{ab}	39.7	111.4	304.6	61.4	56.6	278.9	62.4	55.2	282.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	68.7	68.7	3D−it:	3.7	3.7	

3 Colours no. *j*=179

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.25	0.125	1.0	0.666	0.125	1.0	0.5	0.25	1.0
$olv^*_{Fa,\ 8bit}$	64	32	255	170	32	255	128	64	255
L^*, C^*_{ab}, h_{ab}	39.7	111.4	304.6	51.6	98.5	306.9	54.3	98.5	309.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.1	18.1	3D−in:	21.5	21.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
180	0.25	0.25	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	34.2	22.4	92.3	−0.8	22.4	0.75	0.25	r99j	o88y		1.0	0.884	0.0	0.25	0.221	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
180	0.25	0.25	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	35.8	25.6	101.8	−5.1	25.0	0.75	0.25	j13g	o100y		0.865	1.0	0.0	0.216	0.25	0.0

3 Colours no. *j*=180

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.25	0.0	0.25	0.221	0.0	0.284	0.222	0.027
$rgb^*_{Fa,\ 8bit}$	64	64	0	64	56	0	72	57	7
L^*, C^*_{ab}, h_{ab}	35.3	27.8	107.6	34.2	22.4	92.3	37.9	26.4	78.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 8.6	8.6		3D−it: 7.9	7.9	

3 Colours no. *j*=180

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.25	0.0	0.216	0.25	0.0	0.279	0.25	0.024
$olv^*_{Fa,\ 8bit}$	64	64	0	55	64	0	71	64	6
L^*, C^*_{ab}, h_{ab}	35.3	27.8	107.6	35.8	25.6	101.8	36.3	26.6	94.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 3.5	3.5		3D−in: 6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
181	0.25	0.25	0.125	90.0	83.7	89.7	92.3	−3.4	89.7	35.6	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
181	0.25	0.25	0.125	90.0	90.1	102.2	101.8	−20.7	100.1	36.4	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.75	0.125	r99j	o88y		1.0	0.884	0.0	0.25	0.235	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.75	0.125	j13g	o100y		0.865	1.0	0.0	0.233	0.25	0.125

3 Colours no. *j*=181

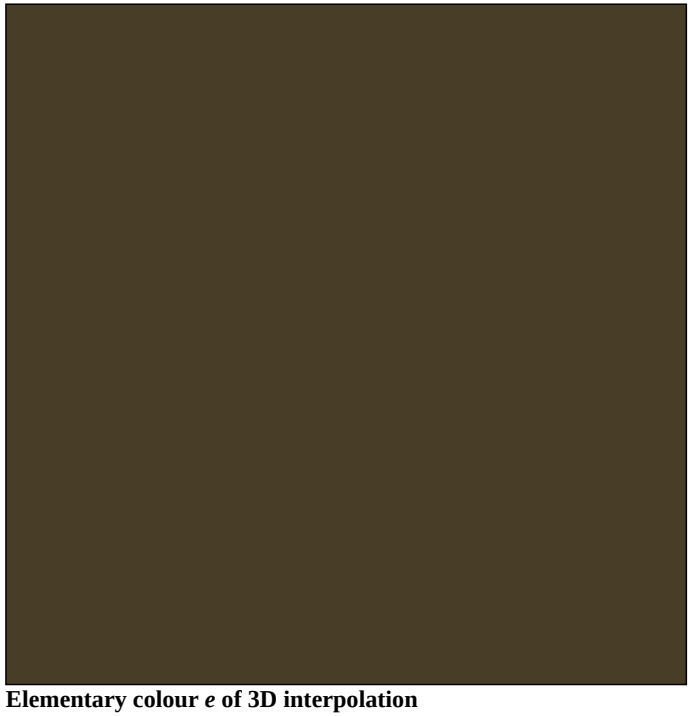
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.125	0.25	0.235	0.125	0.282	0.241	0.152
$rgb^*_{Fa,\ 8bit}$	64	64	32	64	60	32	72	62	39
L^*, C^*_{ab}, h_{ab}	35.5	16.0	110.7	35.6	11.2	92.3	35.8	15.8	72.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.5	6.5	3D−it:	6.5	6.5

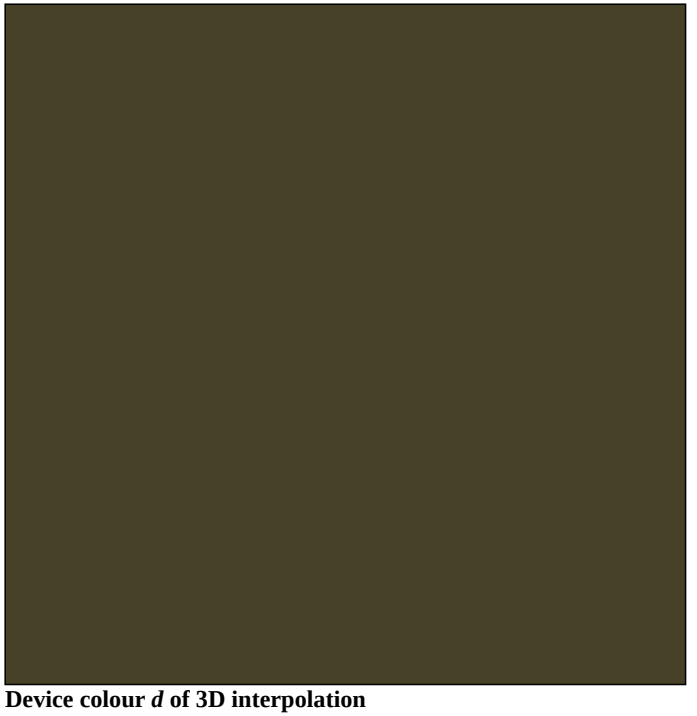
3 Colours no. *j*=181

output of the device colour *d*:

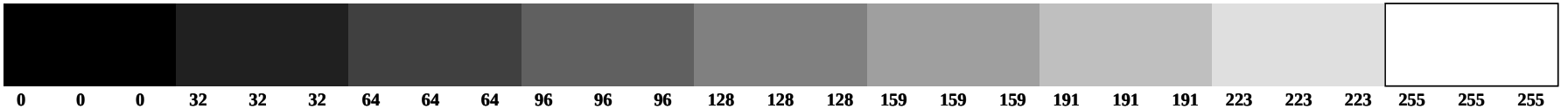
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.125	0.233	0.25	0.125	0.279	0.256	0.151
$olv^*_{Fa,\ 8bit}$	64	64	32	59	64	32	71	65	39
L^*, C^*_{ab}, h_{ab}	35.5	16.0	110.7	36.4	12.8	101.8	37.4	15.0	88.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.1	4.1	3D−in:	6.4	6.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
182	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
182	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. *j*=182

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.6	279.8	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.7	3.7	3D−it:	3.7	3.7

3 Colours no. *j*=182

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.6	279.8	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.7	3.7	3D−in:	7.3	7.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
183	0.25	0.25	0.375	270.0	60.4	57.4	271.8	1.8	−57.2	42.4	7.2	271.8	0.2	−7.1	0.625	0.125	b00r	c39v		0.0	0.613	1.0	0.25	0.327	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
183	0.25	0.25	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	40.4	14.2	304.1	7.9	−11.6	0.625	0.125	b28r	v00m		0.569	0.0	1.0	0.321	0.25	0.375

3 Colours no. *j*=183

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.375	0.25	0.327	0.375	0.307	0.334	0.364
$rgb^*_{Fa,\ 8bit}$	64	64	96	64	83	96	78	85	93
L^*, C^*_{ab}, h_{ab}	36.8	18.9	292.0	42.4	7.2	271.8	45.8	3.1	274.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−it:	5.3	5.3	

3 Colours no. *j*=183

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.375	0.321	0.25	0.375	0.332	0.289	0.376
$olv^*_{Fa,\ 8bit}$	64	64	96	82	64	96	85	74	96
L^*, C^*_{ab}, h_{ab}	36.8	18.9	292.0	40.4	14.2	304.1	46.5	12.7	322.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	14.0	14.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
184	0.25	0.25	0.5	270.0	60.4	57.3	271.8	1.8	−57.2	47.8	14.3	271.8	0.4	−14.2	0.5	0.25	b00r	c39v		0.0	0.613	1.0	0.25	0.403	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
184	0.25	0.25	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	43.7	28.3	304.1	15.9	−23.4	0.5	0.25	b28r	v00m		0.569	0.0	1.0	0.392	0.25	0.5

3 Colours no. *j*=184

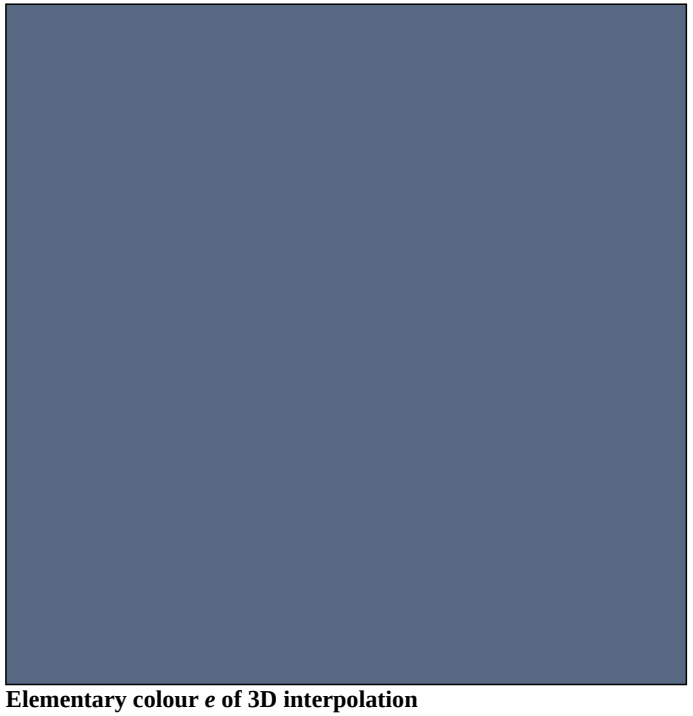
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.5	0.25	0.403	0.5	0.343	0.409	0.509
$rgb^*_{Fa,\ 8bit}$	64	64	128	64	103	128	88	104	130
L^*, C^*_{ab}, h_{ab}	37.7	32.9	294.6	47.8	14.3	271.8	49.1	14.2	294.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.8	22.8	3D−it:	5.7	5.7	

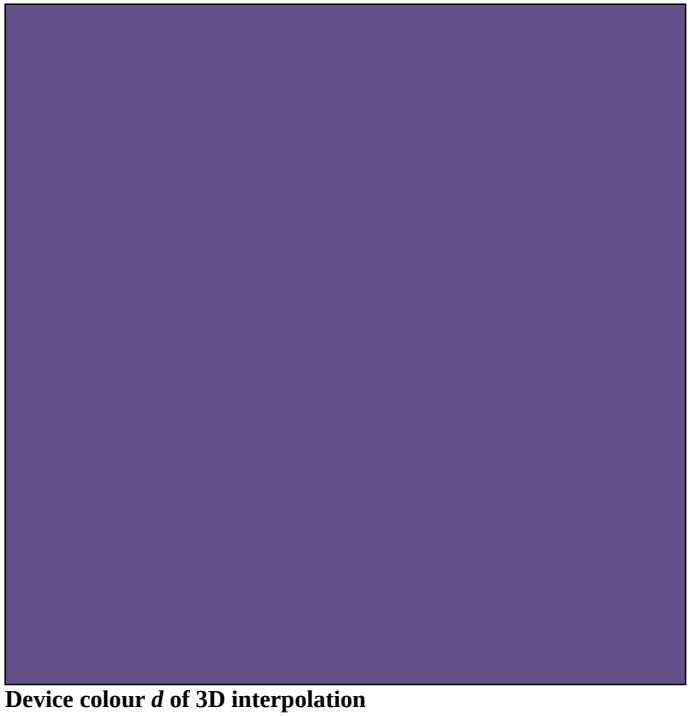
3 Colours no. *j*=184

output of the device colour *d*:

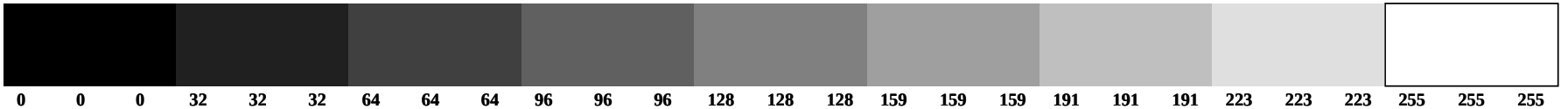
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.5	0.392	0.25	0.5	0.39	0.314	0.536
$olv^*_{Fa,\ 8bit}$	64	64	128	100	64	128	99	80	137
L^*, C^*_{ab}, h_{ab}	37.7	32.9	294.6	43.7	28.3	304.1	49.3	29.9	309.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−in:	14.6	14.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
185	0.25	0.25	0.625	270.0	60.4	57.3	271.8	1.8	−57.2	53.1	21.5	271.8	0.7	−21.4	0.375	0.375	b00r	c39v		0.0	0.613	1.0	0.25	0.48	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
185	0.25	0.25	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	47.0	42.5	304.1	23.8	−35.1	0.375	0.375	b28r	v00m		0.569	0.0	1.0	0.463	0.25	0.625

3 Colours no. *j*=185

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.625	0.25	0.48	0.625	0.371	0.487	0.669
$rgb^*_{Fa,\ 8bit}$	64	64	159	64	122	159	95	124	171
L^*, C^*_{ab}, h_{ab}	38.6	45.4	296.3	53.1	21.5	271.8	54.3	16.0	280.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	31.0	31.0	3D−it:	6.3	6.3

3 Colours no. *j*=185

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.625	0.463	0.25	0.625	0.443	0.337	0.71
$olv^*_{Fa,\ 8bit}$	64	64	159	118	64	159	113	86	181
L^*, C^*_{ab}, h_{ab}	38.6	45.4	296.3	47.0	42.5	304.1	50.1	41.5	305.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.7	10.7	3D−in:	13.9	13.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
186	0.25	0.25	0.75	270.0	60.4	57.3	271.7	1.7	−57.2	58.5	28.7	271.7	0.9	−28.5	0.25	0.5	b00r	c39v		0.0	0.613	1.0	0.25	0.556	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
186	0.25	0.25	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	50.3	56.6	304.1	31.7	−46.8	0.25	0.5	b28r	v00m		0.568	0.0	1.0	0.534	0.25	0.75

3 Colours no. *j*=186

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.75	0.25	0.556	0.75	0.394	0.569	0.826
$rgb^*_{Fa,\ 8bit}$	64	64	191	64	142	191	100	145	211
L^*, C^*_{ab}, h_{ab}	39.7	57.5	297.7	58.5	28.7	271.7	62.8	26.9	277.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	39.0	39.0	3D−it:	5.3	5.3	

3 Colours no. *j*=186

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.75	0.534	0.25	0.75	0.497	0.359	0.875
$olv^*_{Fa,\ 8bit}$	64	64	191	136	64	191	127	91	223
L^*, C^*_{ab}, h_{ab}	39.7	57.5	297.7	50.3	56.6	304.1	51.2	56.5	306.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.4	12.4	3D−in:	14.5	14.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
187	0.25	0.25	0.875	270.0	60.5	57.3	271.7	1.7	−57.2	63.8	35.8	271.7	1.1	−35.7	0.125	0.625	b00r	c39v		0.0	0.613	1.0	0.25	0.633	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
187	0.25	0.25	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	53.7	70.8	304.1	39.7	−58.6	0.125	0.625	b28r	v00m		0.568	0.0	1.0	0.605	0.25	0.875

3 Colours no. *j*=187

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.875	0.25	0.633	0.875	0.405	0.648	0.925
$rgb^*_{Fa,\ 8bit}$	64	64	223	64	161	223	103	165	236
L^*, C^*_{ab}, h_{ab}	41.2	70.9	298.9	63.8	35.8	271.7	71.0	32.1	274.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	47.9	47.9	3D−it:	8.2	8.2

3 Colours no. *j*=187

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.875	0.605	0.25	0.875	0.541	0.375	0.956
$olv^*_{Fa,\ 8bit}$	64	64	223	154	64	223	138	96	244
L^*, C^*_{ab}, h_{ab}	41.2	70.9	298.9	53.7	70.8	304.1	61.2	71.6	309.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.0	14.0	3D−in:	23.6	23.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
188	0.25	0.25	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	69.2	43.0	271.7	1.3	−42.9	0.0	0.75	b00r	c39v		0.0	0.613	1.0	0.25	0.71	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
188	0.25	0.25	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	57.0	85.0	304.1	47.6	−70.3	0.0	0.75	b28r	v00m		0.568	0.0	1.0	0.676	0.25	1.0

3 Colours no. *j*=188

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.25	1.0	0.25	0.71	1.0	0.421	0.727	1.0
$rgb^*_{Fa,\ 8bit}$	64	64	255	64	181	255	107	185	255
L^*, C^*_{ab}, h_{ab}	45.0	95.8	300.3	69.2	43.0	271.7	71.0	39.7	273.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	66.2	66.2	3D−it:	3.9	3.9	

3 Colours no. *j*=188

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.25	1.0	0.676	0.25	1.0	0.593	0.376	1.0
$olv^*_{Fa,\ 8bit}$	64	64	255	172	64	255	151	96	255
L^*, C^*_{ab}, h_{ab}	45.0	95.8	300.3	57.0	85.0	304.1	57.8	79.9	306.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.3	17.3	3D−in:	22.7	22.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
189	0.25	0.375	0.0	109.1	89.1	103.3	114.6	−42.8	94.0	44.4	38.7	114.6	−16.0	35.2	0.625	0.375	j31g	y22l		0.78	1.0	0.0	0.292	0.375	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
189	0.25	0.375	0.0	109.1	88.4	104.2	111.6	−38.2	96.9	44.2	39.1	111.6	−14.3	36.4	0.625	0.375	j27g	y32l		0.725	1.0	0.0	0.272	0.375	0.0

3 Colours no. *j*=189

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.0	0.292	0.375	0.0	0.242	0.404	0.082
$rgb^*_{Fa,\ 8bit}$	64	96	0	75	96	0	62	103	21
L^*, C^*_{ab}, h_{ab}	42.8	51.8	80.5	44.4	38.7	114.6	44.7	41.1	106.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.3	29.3	3D−it:	6.1	6.1	

3 Colours no. *j*=189

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.0	0.272	0.375	0.0	0.241	0.4	0.074
$olv^*_{Fa,\ 8bit}$	64	96	0	69	96	0	61	102	19
L^*, C^*_{ab}, h_{ab}	42.8	51.8	80.5	44.2	39.1	111.6	44.7	41.1	106.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	27.3	27.3	3D−in:	23.4	23.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
190	0.25	0.375	0.125	120.0	85.7	111.8	127.2	−67.5	89.0	44.4	27.9	127.2	−16.8	22.2	0.625	0.25	j49g	y61l		0.386	1.0	0.0	0.221	0.375	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
190	0.25	0.375	0.125	120.0	87.6	105.9	117.1	−48.2	94.2	44.9	26.5	117.1	−12.0	23.5	0.625	0.25	j35g	y50l		0.645	1.0	0.0	0.286	0.375	0.125

3 Colours no. *j*=190

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.125	0.221	0.375	0.125	0.281	0.39	0.163
$rgb^*_{Fa,\ 8bit}$	64	96	32	56	96	32	72	100	42
L^*, C^*_{ab}, h_{ab}	43.0	32.5	127.4	44.4	27.9	127.2	45.8	29.4	118.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−it:	4.8	4.8	

3 Colours no. *j*=190

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.125	0.286	0.375	0.125	0.336	0.384	0.16
$olv^*_{Fa,\ 8bit}$	64	96	32	73	96	32	86	98	41
L^*, C^*_{ab}, h_{ab}	43.0	32.5	127.4	44.9	26.5	117.1	44.9	30.3	107.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.2	8.2	3D−in:	11.0	11.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
191	0.25	0.375	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	45.6	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
191	0.25	0.375	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	45.6	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.125	j99g	l77c		0.0	1.0	0.774	0.25	0.375	0.347
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.125	j57g	y100l		0.425	1.0	0.0	0.303	0.375	0.25

3 Colours no. *j*=191

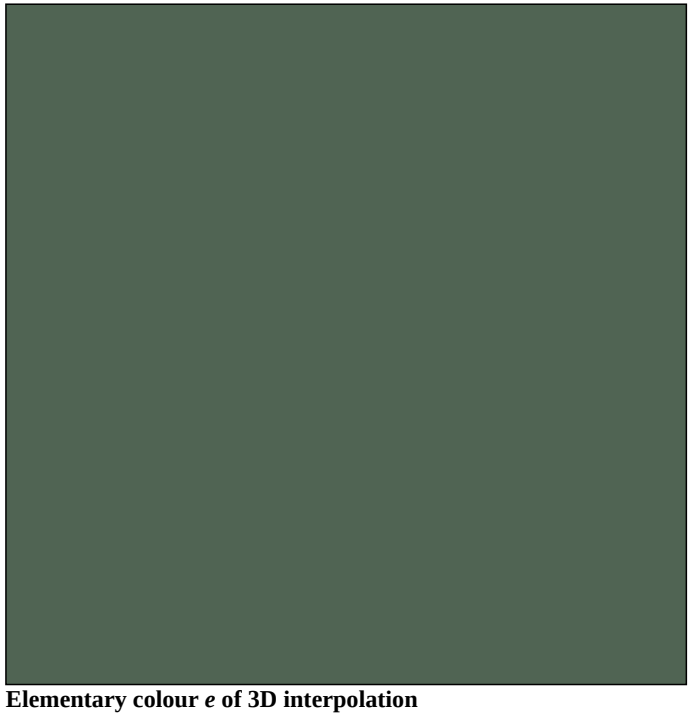
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.25	0.25	0.375	0.347	0.313	0.393	0.326
$rgb^*_{Fa,\ 8bit}$	64	96	64	64	96	88	80	100	83
L^*, C^*_{ab}, h_{ab}	43.5	15.9	151.0	45.6	7.9	162.2	53.1	12.4	125.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−it:	10.7	10.7	

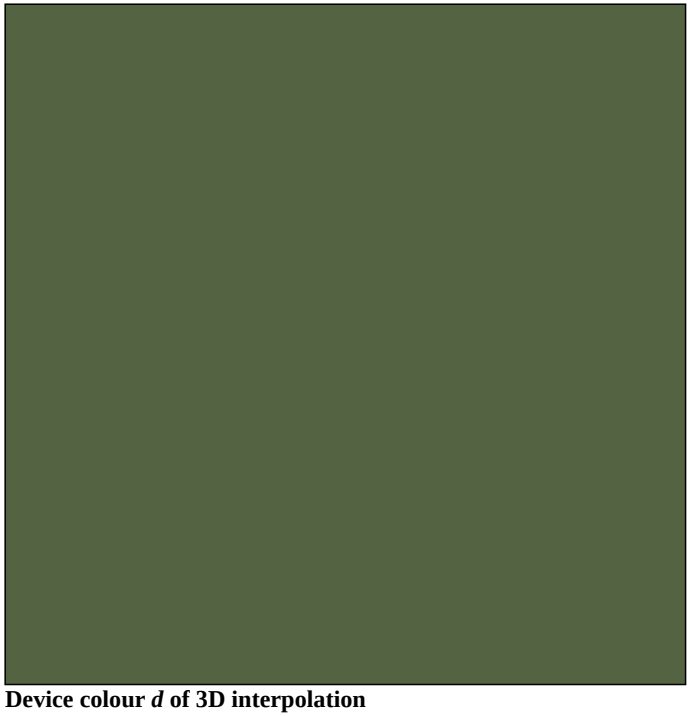
3 Colours no. *j*=191

output of the device colour *d*:

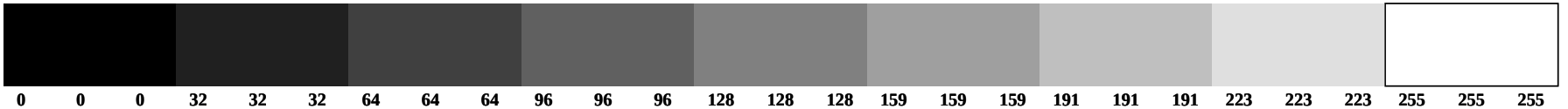
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.25	0.303	0.375	0.25	0.331	0.393	0.259
$olv^*_{Fa,\ 8bit}$	64	96	64	77	96	64	84	100	66
L^*, C^*_{ab}, h_{ab}	43.5	15.9	151.0	45.6	13.8	132.5	45.9	11.8	113.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−in:	10.1	10.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
192	0.25	0.375	0.375	210.0	80.3	43.6	217.0	−34.7	−26.1	44.9	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
192	0.25	0.375	0.375	210.0	85.3	72.8	196.7	−69.6	−20.9	45.5	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.125	g50b	c08v		0.0	0.925	1.0	0.25	0.366	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.125	g31b	c00v		0.0	1.0	0.63	0.25	0.375	0.329

3 Colours no. *j*=192

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.375	0.25	0.366	0.375	0.316	0.377	0.365
$rgb^*_{Fa,\ 8bit}$	64	96	96	64	93	96	81	96	93
L^*, C^*_{ab}, h_{ab}	44.0	10.3	217.3	44.9	5.5	217.0	45.8	3.1	273.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−it:	4.6	4.6	

3 Colours no. *j*=192

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.375	0.25	0.375	0.329	0.278	0.398	0.368
$olv^*_{Fa,\ 8bit}$	64	96	96	64	96	84	71	101	94
L^*, C^*_{ab}, h_{ab}	44.0	10.3	217.3	45.5	9.1	196.7	47.1	8.2	173.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	7.8	7.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
193	0.25	0.375	0.5	240.0	71.1	44.7	244.4	−19.2	−40.3	50.4	11.2	244.4	−4.7	−10.0	0.5	0.25	g75b	c20v		0.0	0.802	1.0	0.25	0.451	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
193	0.25	0.375	0.5	240.0	49.5	79.9	250.4	−26.7	−75.2	45.1	20.0	250.4	−6.6	−18.7	0.5	0.25	g80b	c50v		0.0	0.389	1.0	0.25	0.347	0.5

3 Colours no. *j*=193

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.5	0.25	0.451	0.5	0.345	0.459	0.509
$rgb^*_{Fa,\ 8bit}$	64	96	128	64	115	128	88	117	130
L^*, C^*_{ab}, h_{ab}	44.7	18.8	264.3	50.4	11.2	244.4	53.7	4.8	234.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−it:	7.3	7.3	

3 Colours no. *j*=193

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.5	0.25	0.347	0.5	0.192	0.395	0.509
$olv^*_{Fa,\ 8bit}$	64	96	128	64	89	128	49	101	130
L^*, C^*_{ab}, h_{ab}	44.7	18.8	264.3	45.1	20.0	250.4	46.9	17.1	254.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−in:	4.1	4.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
194	0.25	0.375	0.625	250.9	67.8	46.9	254.3	−12.6	−45.0	55.9	17.6	254.3	−4.7	−16.8	0.375	0.375	g83b	c25v		0.0	0.75	1.0	0.25	0.531	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
194	0.25	0.375	0.625	250.9	35.4	119.0	269.9	−0.1	−118.9	43.7	44.6	269.9	0.0	−44.5	0.375	0.375	g97b	c68v		0.0	0.033	1.0	0.25	0.263	0.625

3 Colours no. *j*=194

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.625	0.25	0.531	0.625	0.376	0.541	0.667
$rgb^*_{Fa,\ 8bit}$	64	96	159	64	135	159	96	138	170
L^*, C^*_{ab}, h_{ab}	45.4	30.0	278.5	55.9	17.6	254.3	58.1	16.5	260.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.9	18.9	3D−it:	3.0	3.0	

3 Colours no. *j*=194

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.625	0.25	0.263	0.625	0.0	0.379	0.747
$olv^*_{Fa,\ 8bit}$	64	96	159	64	67	159	0	97	190
L^*, C^*_{ab}, h_{ab}	45.4	30.0	278.5	43.7	44.6	269.9	44.3	43.9	274.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.7	15.7	3D−in:	14.2	14.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
195	0.25	0.375	0.75	256.1	65.8	49.6	259.1	−9.3	−48.6	61.2	24.8	259.1	−4.6	−24.2	0.25	0.5	g88b	c29v		0.0	0.714	1.0	0.25	0.607	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
195	0.25	0.375	0.75	256.1	35.6	120.1	279.2	19.2	−118.5	46.1	60.1	279.2	9.6	−59.2	0.25	0.5	b06r	c77v		0.132	0.0	1.0	0.316	0.25	0.75

3 Colours no. *j*=195

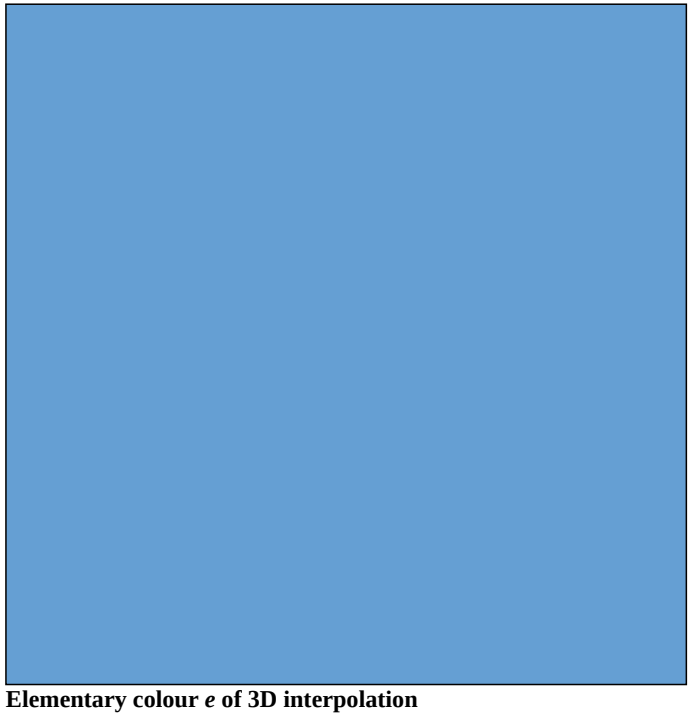
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.75	0.25	0.607	0.75	0.395	0.623	0.826
$rgb^*_{Fa,\ 8bit}$	64	96	191	64	155	191	101	159	211
L^*, C^*_{ab}, h_{ab}	46.3	41.8	285.2	61.2	24.8	259.1	61.3	19.8	260.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.9	26.9	3D−it:	5.0	5.0	

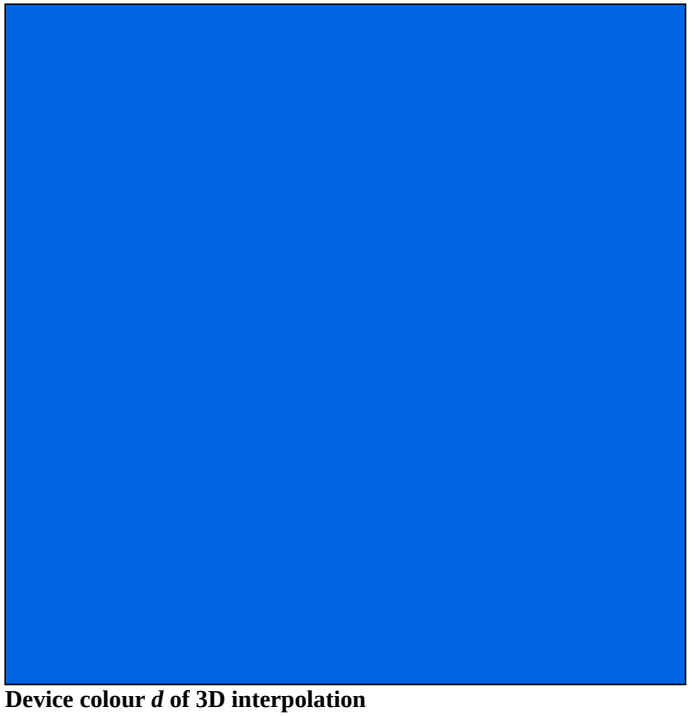
3 Colours no. *j*=195

output of the device colour *d*:

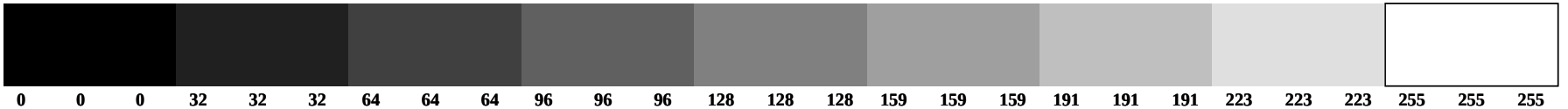
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.75	0.316	0.25	0.75	0.0	0.398	0.897
$olv^*_{Fa,\ 8bit}$	64	96	191	81	64	191	0	101	229
L^*, C^*_{ab}, h_{ab}	46.3	41.8	285.2	46.1	60.1	279.2	46.1	55.7	284.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.0	19.0	3D−in:	14.0	14.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
196	0.25	0.375	0.875	259.1	64.7	51.2	261.8	−7.2	−50.5	66.5	32.0	261.8	−4.5	−31.5	0.125	0.625	g90b	c31v		0.0	0.693	1.0	0.25	0.683	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
196	0.25	0.375	0.875	259.1	37.0	118.8	284.6	29.9	−114.9	49.2	74.3	284.6	18.7	−71.8	0.125	0.625	b11r	c82v		0.226	0.0	1.0	0.391	0.25	0.875

3 Colours no. *j*=196

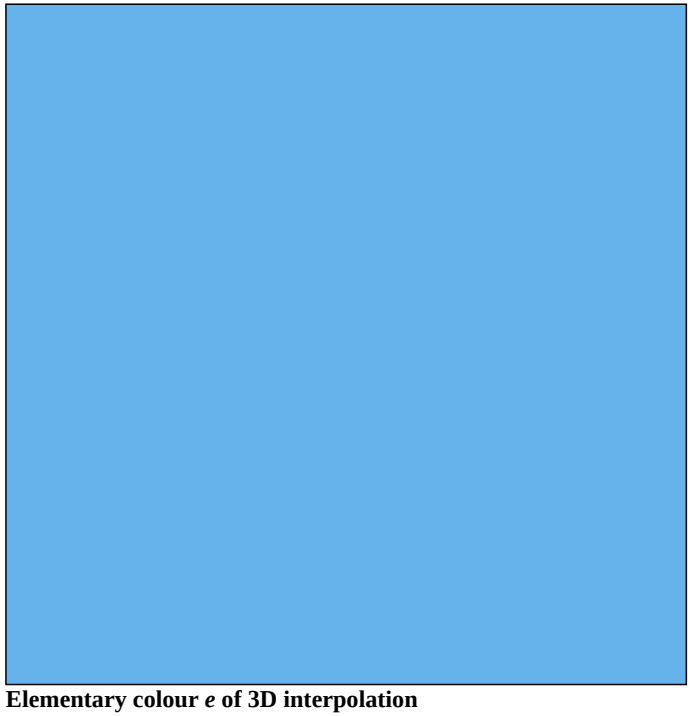
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.875	0.25	0.683	0.875	0.4	0.701	0.926
$rgb^*_{Fa,\ 8bit}$	64	96	223	64	174	223	102	179	236
L^*, C^*_{ab}, h_{ab}	47.5	55.0	289.7	66.5	32.0	261.8	71.6	29.3	263.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.0	36.0	3D−it:	5.9	5.9	

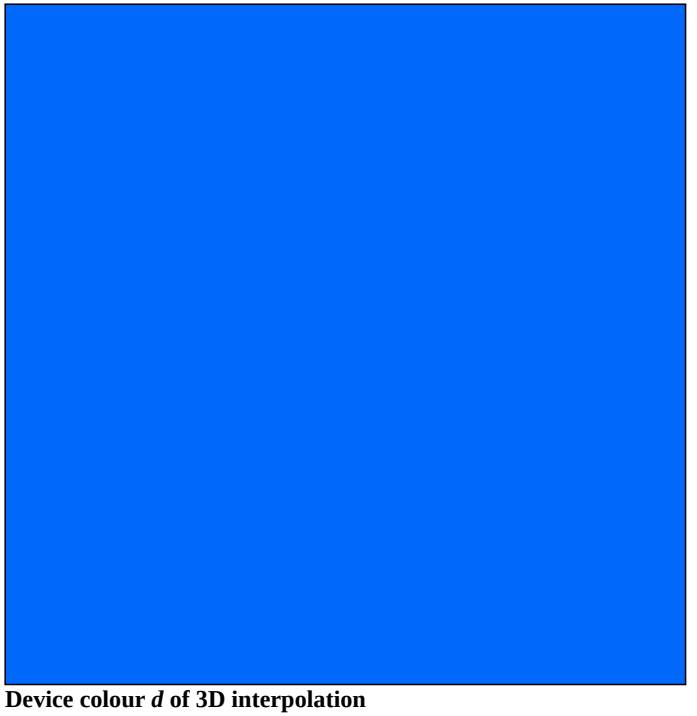
3 Colours no. *j*=196

output of the device colour *d*:

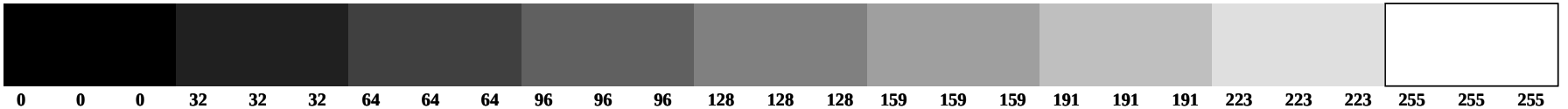
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.875	0.391	0.25	0.875	0.0	0.413	0.983
$olv^*_{Fa,\ 8bit}$	64	96	223	100	64	223	0	105	251
L^*, C^*_{ab}, h_{ab}	47.5	55.0	289.7	49.2	74.3	284.6	55.4	69.1	288.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.2	20.2	3D−in:	16.2	16.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
197	0.25	0.375	1.0	261.1	64.0	52.2	263.6	−5.7	−51.7	71.8	39.1	263.6	−4.3	−38.8	0.0	0.75	g92b	c32v		0.0	0.679	1.0	0.25	0.759	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
197	0.25	0.375	1.0	261.1	38.1	117.9	288.1	36.6	−112.0	52.4	88.4	288.1	27.4	−84.0	0.0	0.75	b14r	c85v		0.287	0.0	1.0	0.465	0.25	1.0

3 Colours no. *j*=197

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.375	1.0	0.25	0.759	1.0	0.412	0.776	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	96	255	64	194	255	105	198	255
L^*, C^*_{ab}, h_{ab}	50.6	80.7	294.5	71.8	39.1	263.6	73.8	36.3	265.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	55.4	55.4	3D−it:	3.6	3.6	

3 Colours no. *j*=197

output of the device colour *d*:

rgb input (in):									
	0.25	0.375	1.0	0.465	0.25	1.0	0.0	0.376	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	96	255	119	64	255	0	96	255
L^*, C^*_{ab}, h_{ab}	50.6	80.7	294.5	52.4	88.4	288.1	55.5	81.4	291.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.4	12.4	3D−in:	6.3	6.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
198	0.25	0.5	0.0	120.0	85.7	111.8	127.3	−67.6	89.0	51.7	55.9	127.3	−33.7	44.5	0.5	0.5	j49g	y61l		0.385	1.0	0.0	0.193	0.5	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
198	0.25	0.5	0.0	120.0	87.6	105.9	117.1	−48.2	94.2	52.6	52.9	117.1	−24.0	47.1	0.5	0.5	j35g	y50l		0.645	1.0	0.0	0.322	0.5	0.0

3 Colours no. *j*=198

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	0.0	0.193	0.5	0.0	0.265	0.526	0.043
$rgb^*_{Fa,\ 8bit}$	64	128	0	49	128	0	68	134	11
L^*, C^*_{ab}, h_{ab}	50.1	56.8	126.3	51.7	55.9	127.3	53.3	56.8	126.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.1	2.1	3D−it:	2.1	2.1	

3 Colours no. *j*=198

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	0.0	0.322	0.5	0.0	0.385	0.518	0.028
$olv^*_{Fa,\ 8bit}$	64	128	0	82	128	0	98	132	7
L^*, C^*_{ab}, h_{ab}	50.1	56.8	126.3	52.6	52.9	117.1	53.7	53.7	116.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.9	9.9	3D−in:	10.6	10.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
199	0.25	0.5	0.125	130.9	84.6	98.1	139.9	−75.0	63.1	52.5	36.8	139.9	−28.1	23.7
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
199	0.25	0.5	0.125	130.9	87.0	107.6	122.7	−58.0	90.5	53.4	40.3	122.7	−21.7	33.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.375	j67g	l29c		0.0	1.0	0.285	0.125	0.5	0.232
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.375	j43g	y68l		0.565	1.0	0.0	0.337	0.5	0.125

3 Colours no. *j*=199

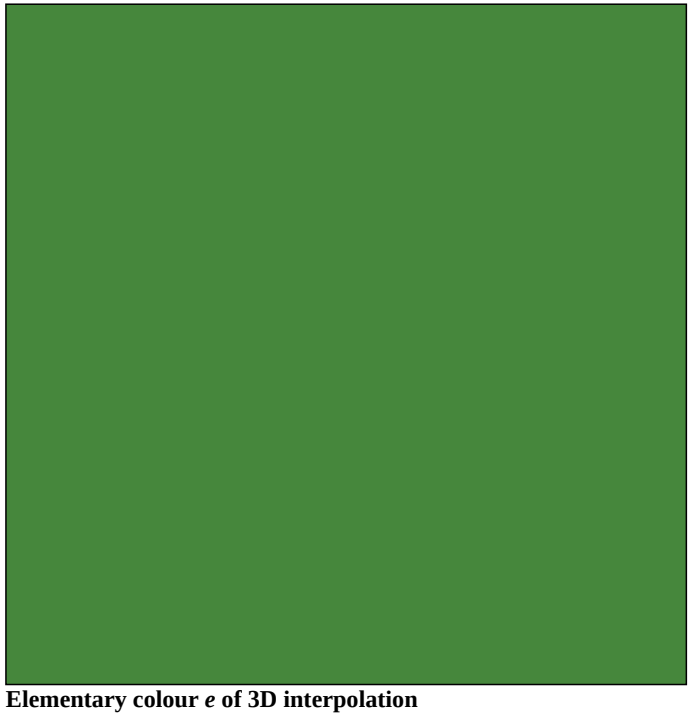
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	0.125	0.125	0.5	0.232	0.273	0.531	0.234
$rgb^*_{Fa,\ 8bit}$	64	128	32	32	128	59	70	136	60
L^*, C^*_{ab}, h_{ab}	50.3	47.9	131.2	52.5	36.8	139.9	54.4	39.2	132.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.0	13.0	3D−it:	5.7	5.7	

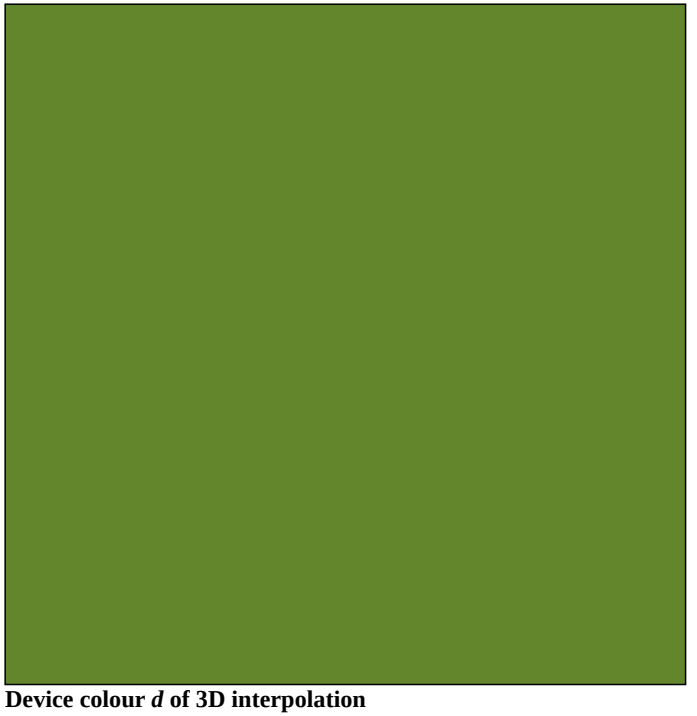
3 Colours no. *j*=199

output of the device colour *d*:

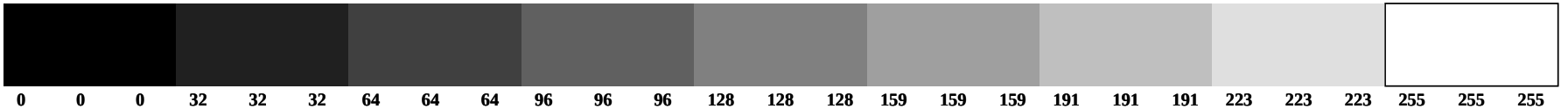
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	0.125	0.337	0.5	0.125	0.387	0.526	0.172
$olv^*_{Fa,\ 8bit}$	64	128	32	86	128	32	99	134	44
L^*, C^*_{ab}, h_{ab}	50.3	47.9	131.2	53.4	40.3	122.7	55.0	43.9	119.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	11.3	11.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
200	0.25	0.5	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	54.1	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
200	0.25	0.5	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	54.2	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.25	j99g	l77c		0.0	1.0	0.774	0.25	0.5	0.444
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.25	j57g	y100l		0.425	1.0	0.0	0.356	0.5	0.25

3 Colours no. *j*=200

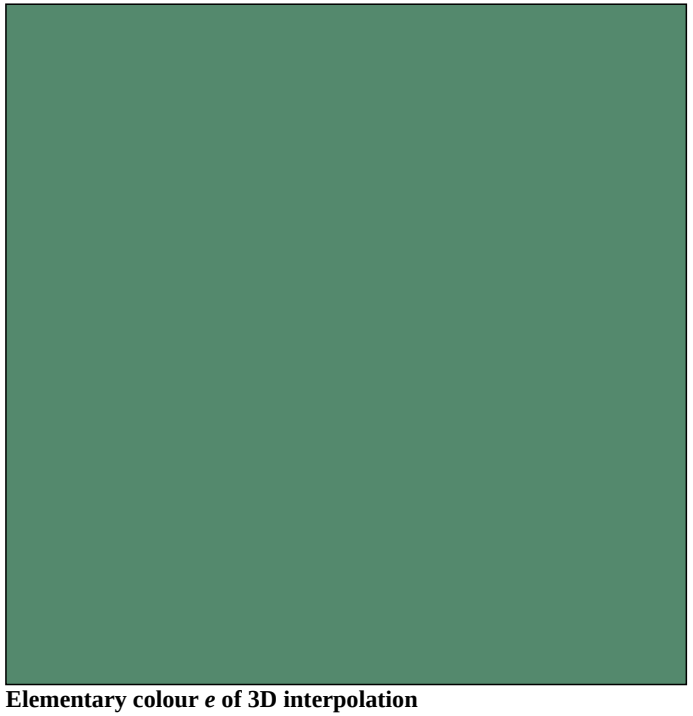
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	0.25	0.25	0.5	0.444	0.329	0.537	0.429
$rgb^*_{Fa,\ 8bit}$	64	128	64	64	128	113	84	137	109
L^*, C^*_{ab}, h_{ab}	50.6	32.3	145.1	54.1	15.9	162.2	59.5	11.6	154.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.1	18.1	3D−it:	7.1	7.1	

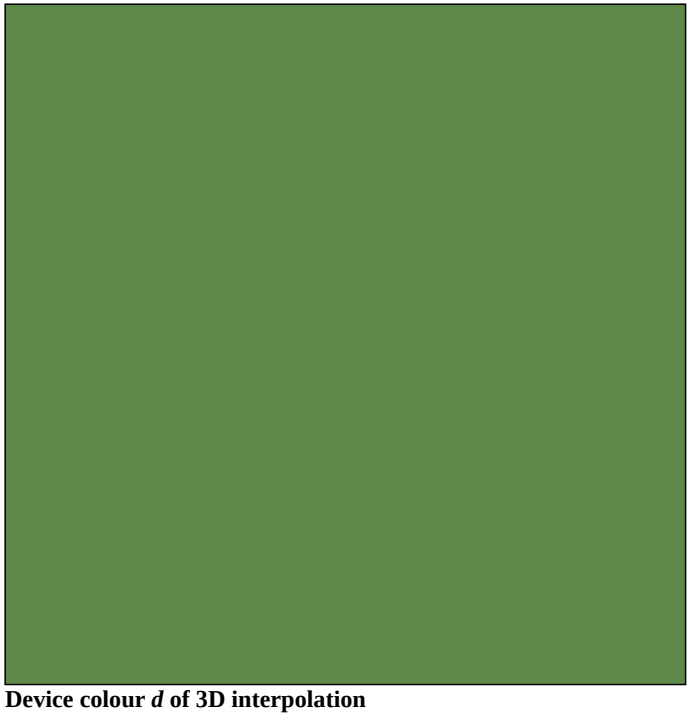
3 Colours no. *j*=200

output of the device colour *d*:

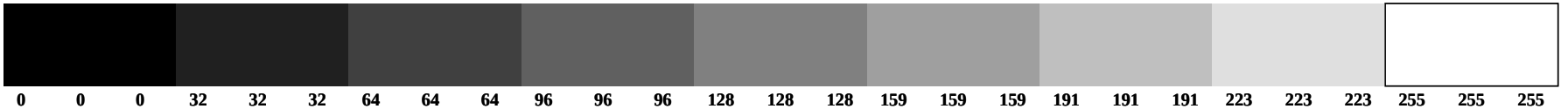
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	0.25	0.356	0.5	0.25	0.369	0.539	0.287
$olv^*_{Fa,\ 8bit}$	64	128	64	91	128	64	94	137	73
L^*, C^*_{ab}, h_{ab}	50.6	32.3	145.1	54.2	27.7	132.5	56.2	27.4	130.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−in:	10.7	10.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
201	0.25	0.5	0.375	180.0	87.0	49.2	189.6	−48.4	−8.1	54.4	12.3	189.6	−12.0	−2.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
201	0.25	0.5	0.375	180.0	84.4	116.1	164.6	−111.8	30.8	53.8	29.0	164.6	−27.9	7.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.25	g25b	l97c		0.0	1.0	0.967	0.25	0.5	0.492
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.25	g02b	l50c		0.0	1.0	0.043	0.25	0.5	0.261

3 Colours no. *j*=201

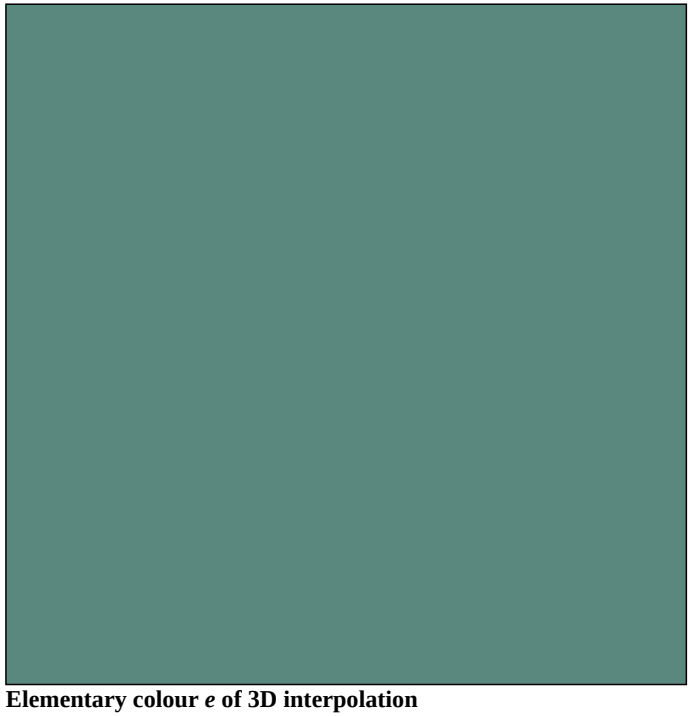
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	0.375	0.25	0.5	0.492	0.357	0.533	0.493
$rgb^*_{Fa,\ 8bit}$	64	128	96	64	128	125	91	136	126
L^*, C^*_{ab}, h_{ab}	51.1	21.8	167.1	54.4	12.3	189.6	55.8	8.1	172.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−it:	5.4	5.4	

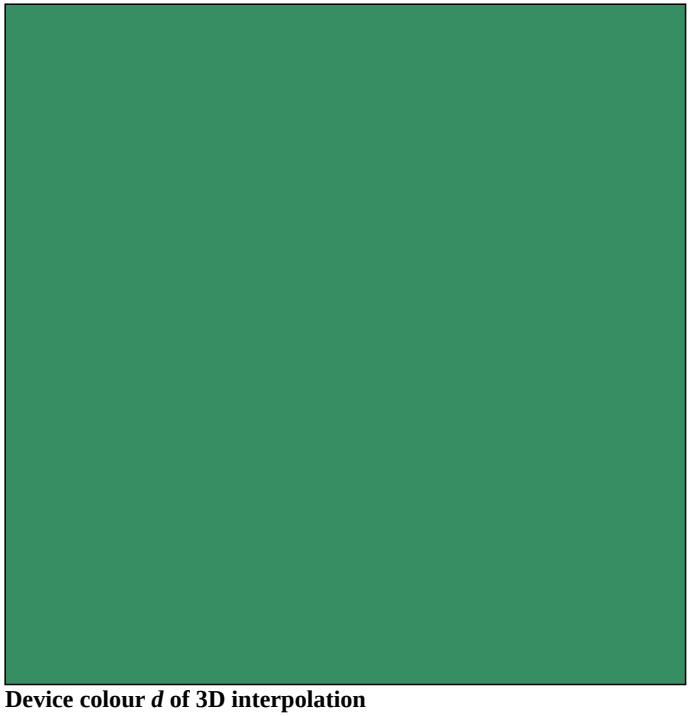
3 Colours no. *j*=201

output of the device colour *d*:

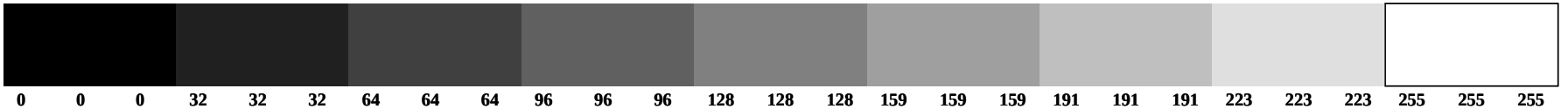
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	0.375	0.25	0.5	0.261	0.21	0.557	0.387
$olv^*_{Fa,\ 8bit}$	64	128	96	64	128	67	54	142	99
L^*, C^*_{ab}, h_{ab}	51.1	21.8	167.1	53.8	29.0	164.6	58.2	29.8	154.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−in:	12.1	12.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
202	0.25	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	52.8	10.9	217.0	−8.6	−6.5	0.5	0.25	g50b	c08v		0.0	0.925	1.0	0.25	0.481	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
202	0.25	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.8	54.0	18.2	196.7	−17.3	−5.1	0.5	0.25	g31b	c00v		0.0	1.0	0.63	0.25	0.5	0.408

3 Colours no. *j*=202

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.25	0.5	0.5	0.25	0.481	0.5	0.355	0.5	0.51
$rgb^*_{Fa,\ 8bit}$	64	128	128	64	123	128	90	128	130
L^*, C^*_{ab}, h_{ab}	51.6	17.3	206.1	52.8	10.9	217.0	53.1	9.5	213.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−it:	1.6	1.6	

	linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	0.5	0.25	0.481	0.5
$rgb^*_{Fa,\ 8bit}$	64	128	128	64	123	128
L^*, C^*_{ab}, h_{ab}	51.6	17.3	206.1	52.8	10.9	217.0

3 Colours no. *j*=202

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.25	0.5	0.5	0.25	0.5	0.408	0.27	0.541	0.516
$olv^*_{Fa,\ 8bit}$	64	128	128	64	128	104	69	138	131
L^*, C^*_{ab}, h_{ab}	51.6	17.3	206.1	54.0	18.2	196.7	56.4	15.8	190.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	6.7	6.7	

	linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	0.5	0.25	0.5	0.408
$olv^*_{Fa,\ 8bit}$	64	128	128	64	128	104
L^*, C^*_{ab}, h_{ab}	51.6	17.3	206.1	54.0	18.2	196.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
203	0.25	0.5	0.625	229.1	74.4	42.6	234.4	−24.7	−34.6	58.4	16.0	234.4	−9.2	−12.9	0.375	0.375	g66b	c15v		0.0	0.854	1.0	0.25	0.57	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
203	0.25	0.5	0.625	229.1	67.5	47.2	230.9	−29.7	−36.6	55.8	17.7	230.9	−11.1	−13.6	0.375	0.375	g62b	c32v		0.0	0.746	1.0	0.25	0.53	0.625

3 Colours no. *j*=203

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.5	0.625	0.25	0.57	0.625	0.381	0.588	0.667
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	128	159	64	145	159	97	150	170
L^*, C^*_{ab}, h_{ab}	52.2	21.0	243.0	58.4	16.0	234.4	60.5	12.5	224.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−it:	4.8	4.8	

3 Colours no. *j*=203

output of the device colour *d*:

rgb input (in):									
	0.25	0.5	0.625	0.25	0.53	0.625	0.313	0.555	0.631
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	128	159	64	135	159	80	142	161
L^*, C^*_{ab}, h_{ab}	52.2	21.0	243.0	55.8	17.7	230.9	60.5	14.1	226.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−in:	11.9	11.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
204	0.25	0.5	0.75	240.0	71.1	44.7	244.4	−19.3	−40.2	63.8	22.4	244.4	−9.6	−20.1	0.25	0.5	g75b	c20v		0.0	0.802	1.0	0.25	0.651	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
204	0.25	0.5	0.75	240.0	49.5	79.9	250.4	−26.7	−75.1	53.0	39.9	250.4	−13.3	−37.5	0.25	0.5	g80b	c50v		0.0	0.39	1.0	0.25	0.445	0.75

3 Colours no. *j*=204

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.5	0.75	0.25	0.651	0.75	0.393	0.672	0.827
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	64	128	191	64	166	191	100	171	211
L^*, C^*_{ab}, h_{ab}	52.9	29.7	263.5	63.8	22.4	244.4	67.1	19.8	240.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.7	15.7	3D−it:	4.4	4.4	

3 Colours no. *j*=204

output of the device colour *d*:

rgb input (in):									
	0.25	0.5	0.75	0.25	0.445	0.75	0.0	0.543	0.828
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	64	128	191	64	113	191	0	138	211
L^*, C^*_{ab}, h_{ab}	52.9	29.7	263.5	53.0	39.9	250.4	53.7	33.1	254.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−in:	6.0	6.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
205	0.25	0.5	0.875	246.6	69.1	46.0	250.4	−15.4	−43.3	69.2	28.8	250.4	−9.6	−27.0	0.125	0.625	g80b	c23v		0.0	0.771	1.0	0.25	0.732	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
205	0.25	0.5	0.875	246.6	39.5	106.9	262.2	−14.4	−105.8	50.7	66.8	262.2	−9.0	−66.1	0.125	0.625	g90b	c61v		0.0	0.174	1.0	0.25	0.359	0.875

3 Colours no. *j*=205

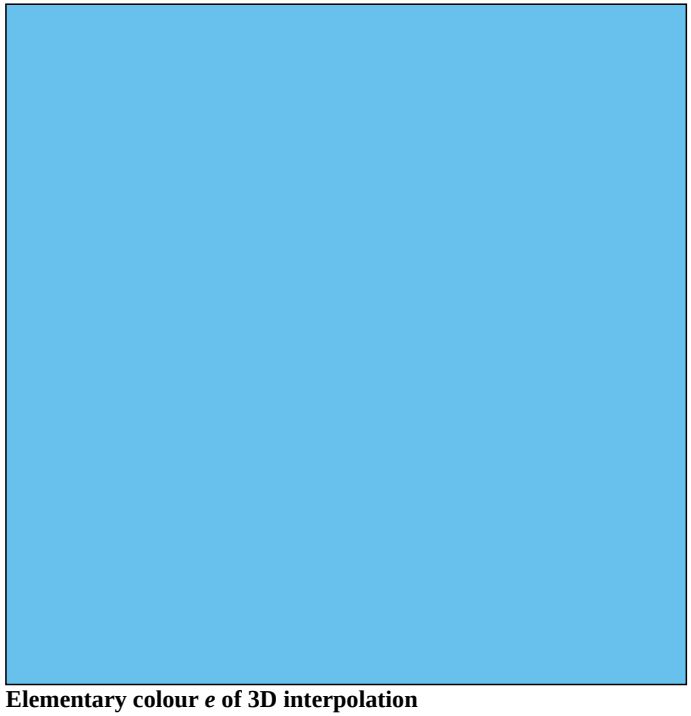
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	0.875	0.25	0.732	0.875	0.406	0.752	0.926
$rgb^*_{Fa,\ 8bit}$	64	128	223	64	187	223	103	192	236
L^*, C^*_{ab}, h_{ab}	53.9	41.5	275.6	69.2	28.8	250.4	78.4	27.5	254.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.0	25.0	3D−it:	9.5	9.5	

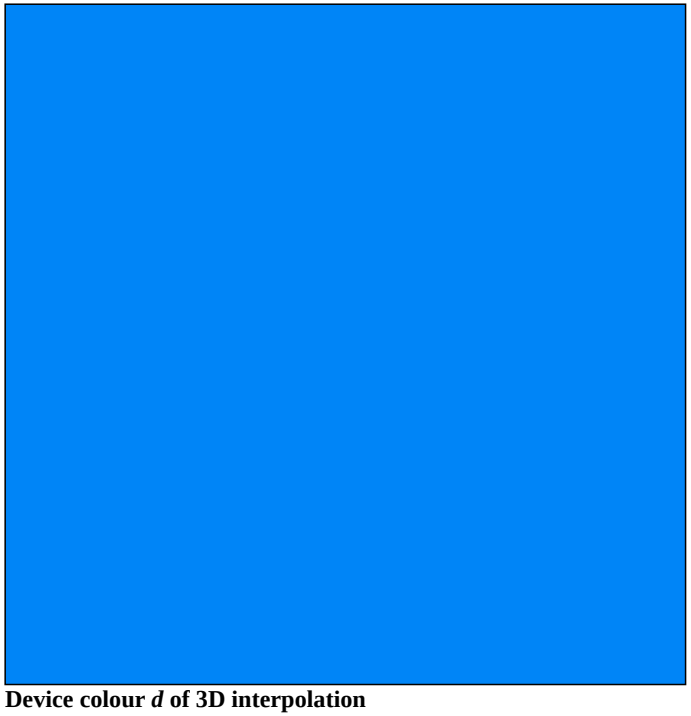
3 Colours no. *j*=205

output of the device colour *d*:

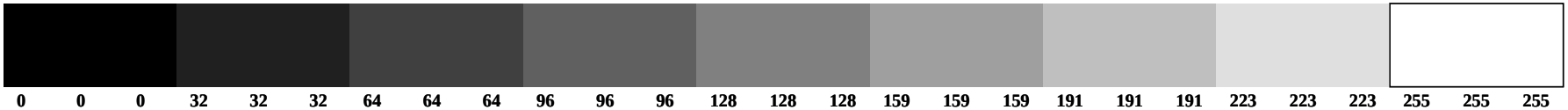
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	0.875	0.25	0.359	0.875	0.0	0.521	0.967
$olv^*_{Fa,\ 8bit}$	64	128	223	64	92	223	0	133	247
L^*, C^*_{ab}, h_{ab}	53.9	41.5	275.6	50.7	66.8	262.2	62.4	54.2	276.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	28.4	28.4	3D−in:	15.3	15.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
206	0.25	0.5	1.0	250.9	67.8	46.9	254.3	−12.6	−45.0	74.7	35.2	254.3	−9.4	−33.8	0.0	0.75	g83b	c25v		0.0	0.75	1.0	0.25	0.813	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
206	0.25	0.5	1.0	250.9	35.4	119.0	269.9	−0.1	−118.9	50.4	89.2	269.9	−0.1	−89.1	0.0	0.75	g97b	c68v		0.0	0.034	1.0	0.25	0.275	1.0

3 Colours no. *j*=206

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	1.0	0.25	0.813	1.0	0.422	0.822	1.0
$rgb^*_{Fa,\ 8bit}$	64	128	255	64	207	255	108	210	255
L^*, C^*_{ab}, h_{ab}	58.9	68.9	286.6	74.7	35.2	254.3	78.4	28.5	256.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	46.2	46.2	3D−it:	7.7	7.7

3 Colours no. *j*=206

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	1.0	0.25	0.275	1.0	0.0	0.502	1.0
$olv^*_{Fa,\ 8bit}$	64	128	255	64	70	255	0	128	255
L^*, C^*_{ab}, h_{ab}	58.9	68.9	286.6	50.4	89.2	269.9	58.9	68.9	286.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	31.7	31.7	3D−in:	0.0	0.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
207	0.25	0.625	0.0	126.6	84.4	111.1	134.9	−78.4	78.6	59.4	69.4	134.9	−48.9	49.2	0.375	0.625	j60g	l14c		0.0	1.0	0.139	0.0	0.625	0.087
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
207	0.25	0.625	0.0	126.6	87.2	106.9	120.5	−54.2	92.1	61.1	66.8	120.5	−33.8	57.5	0.375	0.625	j40g	y61l		0.597	1.0	0.0	0.373	0.625	0.0

3 Colours no. *j*=207

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	0.0	0.0	0.625	0.087	0.183	0.671	0.111
$rgb^*_{Fa,\ 8bit}$	64	159	0	0	159	22	47	171	28
L^*, C^*_{ab}, h_{ab}	57.0	69.7	128.5	59.4	69.4	134.9	62.8	70.6	131.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−it:	5.3	5.3	

3 Colours no. *j*=207

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	0.0	0.373	0.625	0.0	0.422	0.664	0.031
$olv^*_{Fa,\ 8bit}$	64	159	0	95	159	0	108	169	8
L^*, C^*_{ab}, h_{ab}	57.0	69.7	128.5	61.1	66.8	120.5	64.0	67.7	119.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	13.1	13.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

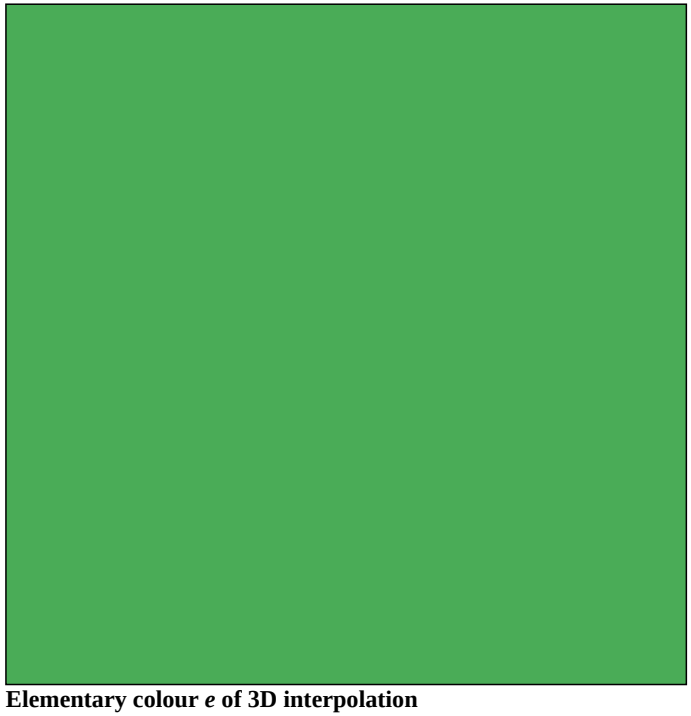
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
208	0.25	0.625	0.125	136.1	84.9	85.4	146.0	−70.8	47.8	61.0	42.7	146.0	−35.3	23.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
208	0.25	0.625	0.125	136.1	86.7	108.4	125.4	−62.7	88.4	61.9	54.2	125.4	−31.3	44.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.5	j76g	l45c		0.0	1.0	0.449	0.125	0.625	0.349
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.5	j47g	y77l		0.527	1.0	0.0	0.388	0.625	0.125

3 Colours no. *j*=208

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	0.125	0.125	0.625	0.349	0.29	0.674	0.341
$rgb^*_{Fa,\ 8bit}$	64	159	32	32	159	89	74	172	87
L^*, C^*_{ab}, h_{ab}	57.1	61.2	132.4	61.0	42.7	146.0	66.1	44.6	141.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.4	22.4	3D−it:	6.3	6.3	

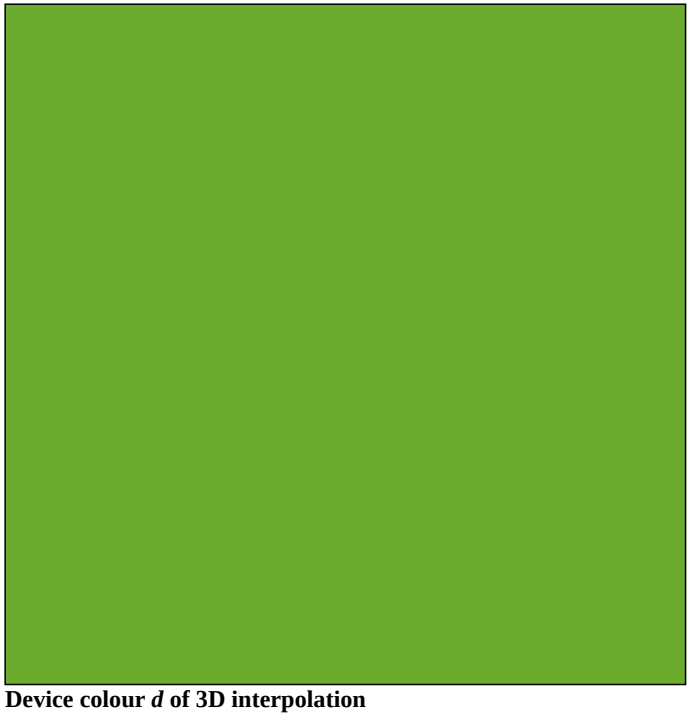


Elementary colour *e* of 3D interpolation

3 Colours no. *j*=208

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	0.125	0.388	0.625	0.125	0.427	0.672	0.183
$olv^*_{Fa,\ 8bit}$	64	159	32	99	159	32	109	171	47
L^*, C^*_{ab}, h_{ab}	57.1	61.2	132.4	61.9	54.2	125.4	65.4	55.8	122.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−in:	14.2	14.2	



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
209	0.25	0.625	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	62.6	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
209	0.25	0.625	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	62.7	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.375	j99g	l77c		0.0	1.0	0.774	0.25	0.625	0.54
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.375	j57g	y100l		0.425	1.0	0.0	0.409	0.625	0.25

3 Colours no. *j*=209

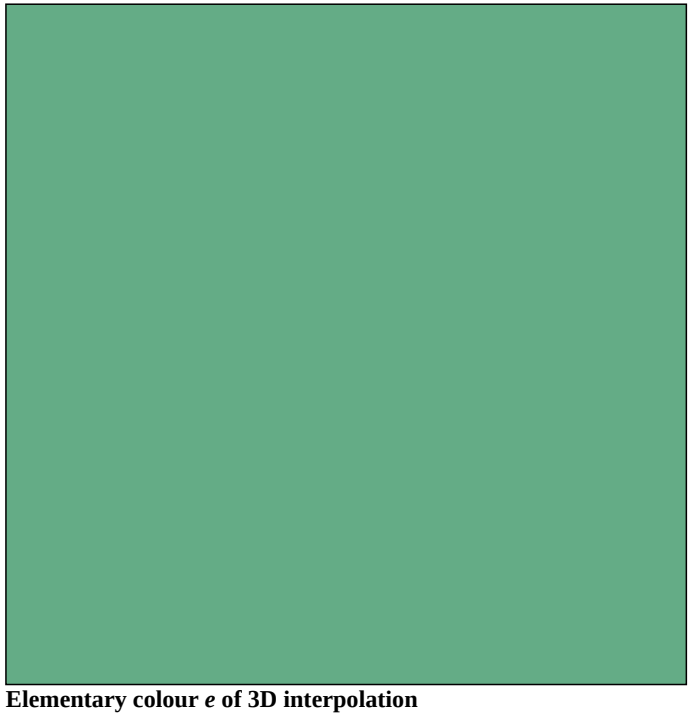
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	0.25	0.25	0.625	0.54	0.392	0.675	0.526
$rgb^*_{Fa,\ 8bit}$	64	159	64	64	159	138	100	172	134
L^*, C^*_{ab}, h_{ab}	57.5	46.6	142.3	62.6	23.8	162.2	66.9	20.9	151.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.1	26.1	3D−it:	6.7	6.7	

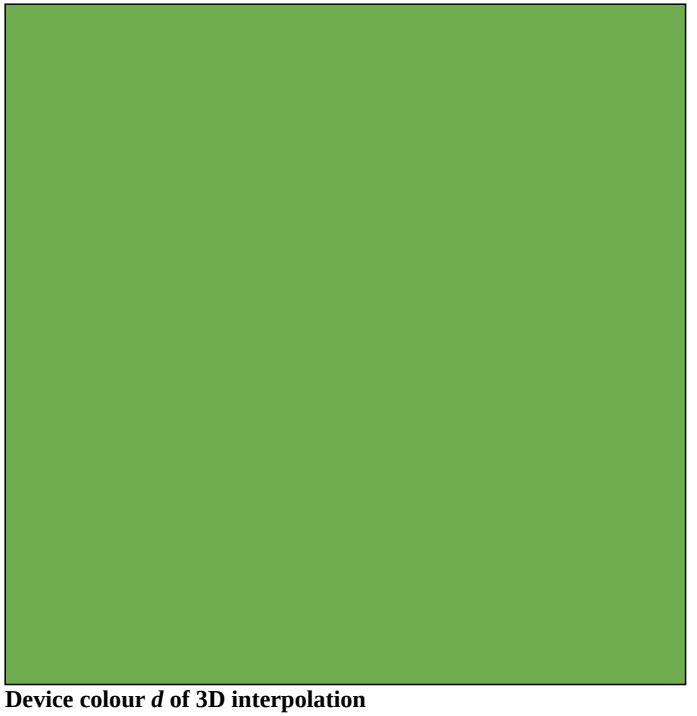
3 Colours no. *j*=209

output of the device colour *d*:

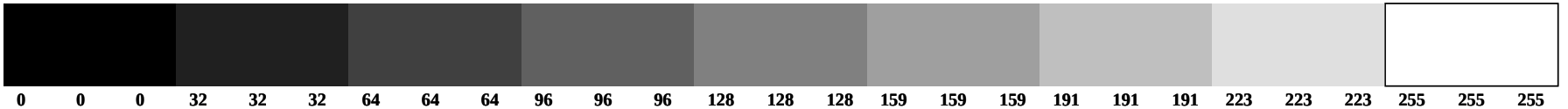
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	0.25	0.409	0.625	0.25	0.434	0.68	0.304
$olv^*_{Fa,\ 8bit}$	64	159	64	104	159	64	111	173	77
L^*, C^*_{ab}, h_{ab}	57.5	46.6	142.3	62.7	41.5	132.5	66.7	41.2	131.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	13.5	13.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
210	0.25	0.625	0.375	169.1	86.5	53.1	179.7	−53.0	0.3	62.9	19.9	179.7	−19.8	0.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
210	0.25	0.625	0.375	169.1	84.6	116.8	152.9	−103.9	53.2	62.2	43.8	152.9	−38.9	19.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.375	g16b	l92c		0.0	1.0	0.921	0.25	0.625	0.595
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.375	j86g	l32c		0.133	1.0	0.0	0.3	0.625	0.25

3 Colours no. *j*=210

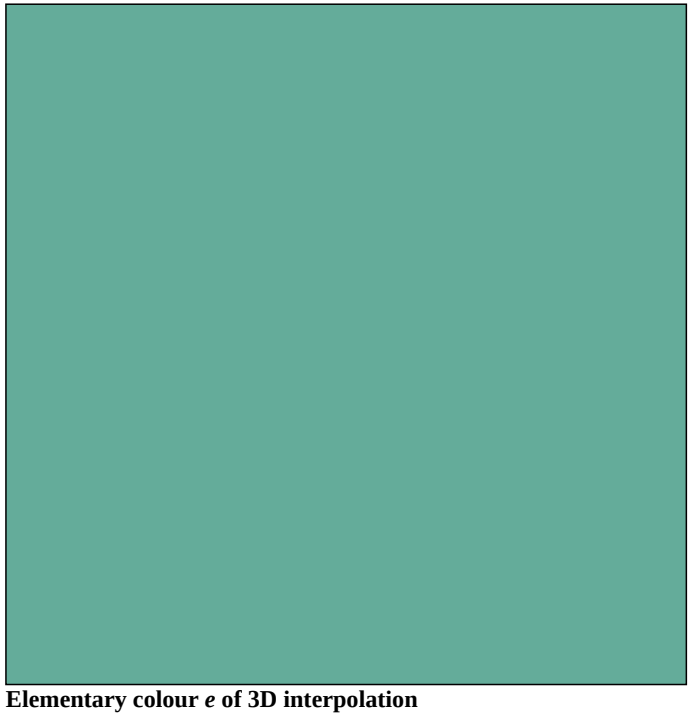
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	0.375	0.25	0.625	0.595	0.391	0.676	0.605
$rgb^*_{Fa,\ 8bit}$	64	159	96	64	159	152	100	172	154
L^*, C^*_{ab}, h_{ab}	57.8	35.6	154.9	62.9	19.9	179.7	68.6	15.9	163.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.1	20.1	3D−it:	8.6	8.6	

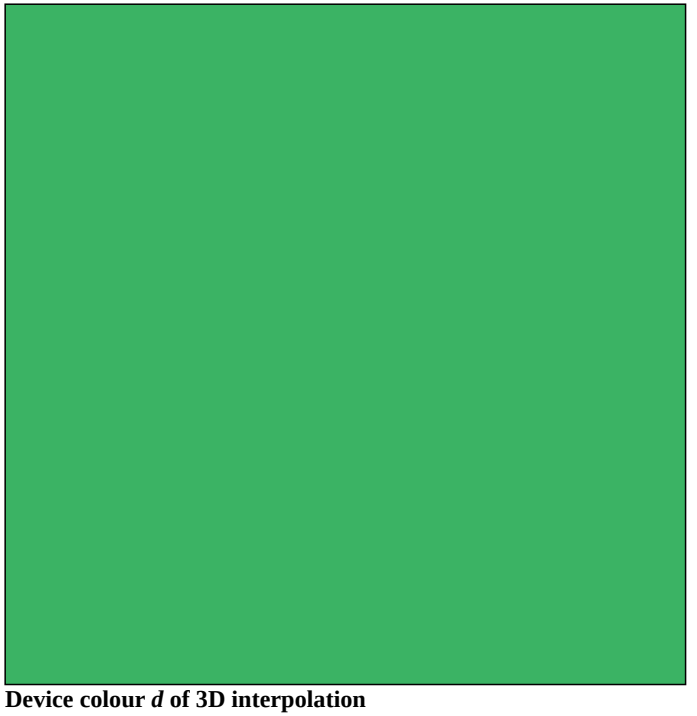
3 Colours no. *j*=210

output of the device colour *d*:

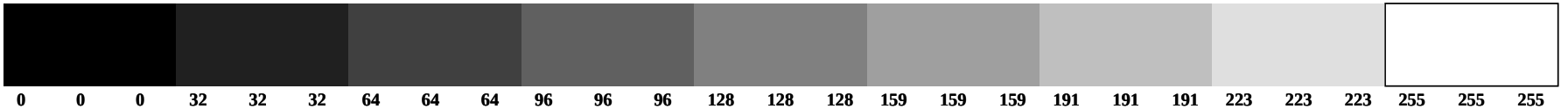
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	0.375	0.3	0.625	0.25	0.231	0.701	0.393
$olv^*_{Fa,\ 8bit}$	64	159	96	76	159	64	59	179	100
L^*, C^*_{ab}, h_{ab}	57.8	35.6	154.9	62.2	43.8	152.9	65.4	46.1	145.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−in:	14.6	14.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
211	0.25	0.625	0.5	190.9	86.3	46.0	199.5	−43.3	−15.3	62.8	17.3	199.5	−16.2	−5.7	0.375	0.375	g33b	c01v		0.0	0.989	1.0	0.25	0.621	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
211	0.25	0.625	0.5	190.9	84.6	100.4	176.3	−100.16.5		62.2	37.6	176.3	−37.5	2.5	0.375	0.375	g13b	l68c		0.0	1.0	0.256	0.25	0.625	0.346

3 Colours no. *j*=211

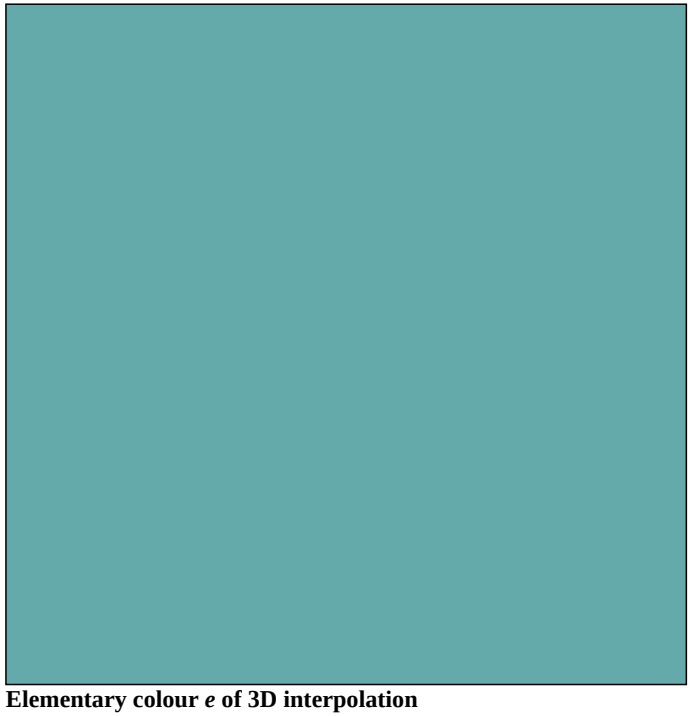
output of the elementary colour *e*:

rgb input (in):									
	0.25	0.625	0.5	0.25	0.621	0.625	0.397	0.668	0.666
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	64	159	128	64	158	159	101	170	170
L^*, C^*_{ab}, h_{ab}	58.2	27.1	174.4	62.8	17.3	199.5	65.8	16.0	199.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−it:	3.2	3.2	

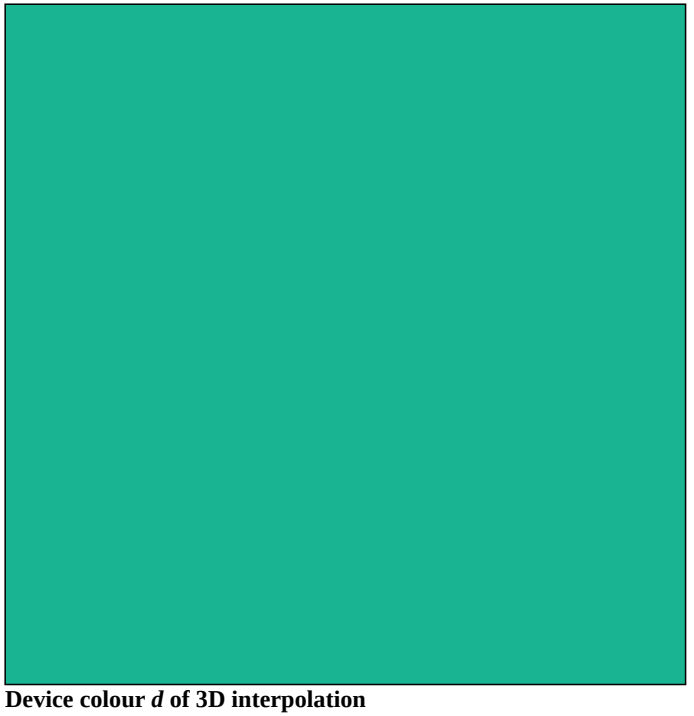
3 Colours no. *j*=211

output of the device colour *d*:

rgb input (in):									
	0.25	0.625	0.5	0.25	0.625	0.346	0.099	0.706	0.567
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	64	159	128	64	159	88	25	180	145
L^*, C^*_{ab}, h_{ab}	58.2	27.1	174.4	62.2	37.6	176.3	65.0	36.9	174.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−in:	11.9	11.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
212	0.25	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	60.6	16.4	217.0	−13.0	−9.7	0.375	0.375	g50b	c08v		0.0	0.925	1.0	0.25	0.597	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
212	0.25	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	62.5	27.3	196.7	−26.0	−7.8	0.375	0.375	g31b	c00v		0.0	1.0	0.63	0.25	0.625	0.486

3 Colours no. *j*=212

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	0.625	0.25	0.597	0.625	0.385	0.629	0.671
$rgb^*_{Fa,\ 8bit}$	64	159	159	64	152	159	98	160	171
L^*, C^*_{ab}, h_{ab}	58.8	23.1	201.3	60.6	16.4	217.0	61.2	12.7	209.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−it:	4.1	4.1	

3 Colours no. *j*=212

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	0.625	0.25	0.625	0.486	0.225	0.688	0.68
$olv^*_{Fa,\ 8bit}$	64	159	159	64	159	124	57	176	173
L^*, C^*_{ab}, h_{ab}	58.8	23.1	201.3	62.5	27.3	196.7	66.3	25.6	197.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−in:	8.1	8.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
213	0.25	0.625	0.75	223.9	75.9	41.9	229.7	−27.0	−31.8	66.2	20.9	229.7	−13.4	−15.9	0.25	0.5	g61b	c12v		0.0	0.878	1.0	0.25	0.689	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
213	0.25	0.625	0.75	223.9	79.5	43.3	221.6	−32.3	−28.6	68.0	21.6	221.6	−16.1	−14.3	0.25	0.5	g54b	c23v		0.0	0.916	1.0	0.25	0.708	0.75

3 Colours no. *j*=213

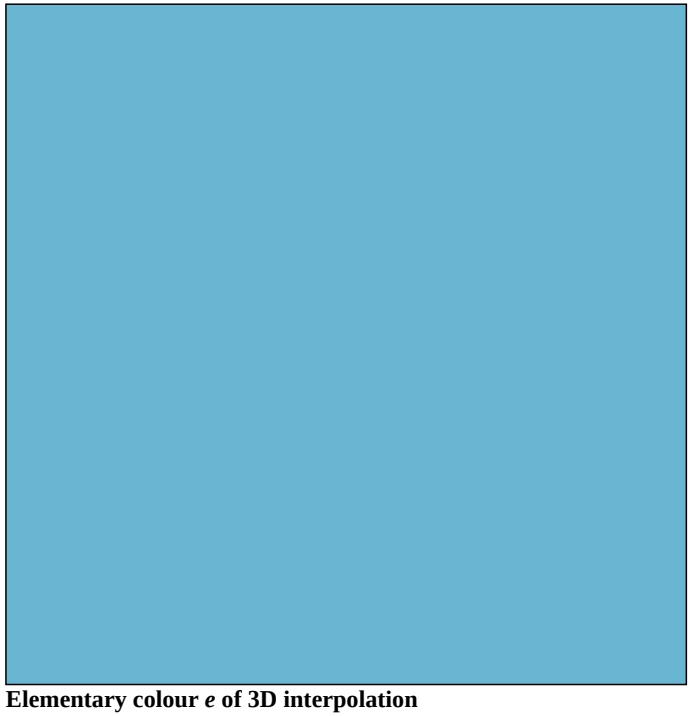
output of the elementary colour *e*:

rgb input (in):									
	0.25	0.625	0.75	0.25	0.689	0.75	0.406	0.715	0.824
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	159	191	64	176	191	103	182	210
L^*, C^*_{ab}, h_{ab}	59.3	24.9	230.6	66.2	20.9	229.7	69.3	18.4	238.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.0	8.0	3D−it:	4.9	4.9	

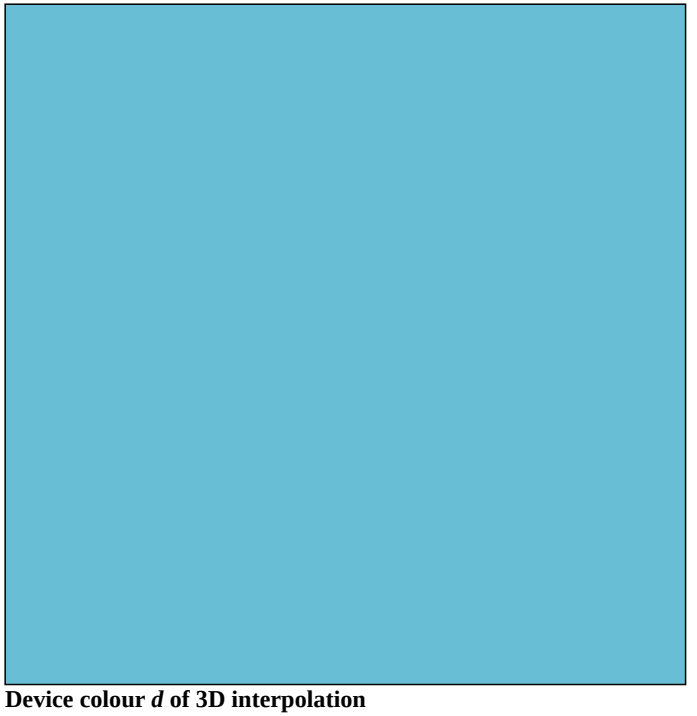
3 Colours no. *j*=213

output of the device colour *d*:

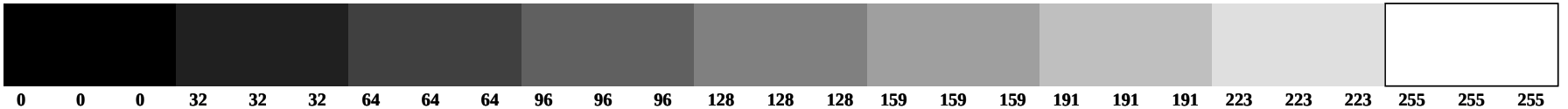
rgb input (in):									
	0.25	0.625	0.75	0.25	0.708	0.75	0.407	0.747	0.835
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	159	191	64	181	191	104	191	213
L^*, C^*_{ab}, h_{ab}	59.3	24.9	230.6	68.0	21.6	221.6	68.0	19.0	212.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	12.5	12.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
214	0.25	0.625	0.875	233.4	73.1	43.5	238.4	−22.7	−36.9	71.7	27.2	238.4	−14.1	−23.0	0.125	0.625	g69b	c17v		0.0	0.834	1.0	0.25	0.771	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
214	0.25	0.625	0.875	233.4	60.1	58.1	238.6	−30.1	−49.5	63.6	36.3	238.6	−18.8	−30.9	0.125	0.625	g69b	c39v		0.0	0.605	1.0	0.25	0.628	0.875

3 Colours no. *j*=214

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.625	0.875	0.25	0.771	0.875	0.403	0.792	0.926
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	64	159	223	64	197	223	103	202	236
L^*, C^*_{ab}, h_{ab}	60.2	32.3	254.3	71.7	27.2	238.4	77.4	20.3	236.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.1	15.1	3D−it:	9.0	9.0	

3 Colours no. *j*=214

output of the device colour *d*:

rgb input (in):									
	0.25	0.625	0.875	0.25	0.628	0.875	0.053	0.699	0.9
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	64	159	223	64	160	223	14	178	229
L^*, C^*_{ab}, h_{ab}	60.2	32.3	254.3	63.6	36.3	238.6	68.0	32.1	245.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	9.4	9.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
215	0.25	0.625	1.0	240.0	71.1	44.7	244.4	−19.3	−40.2	77.2	33.6	244.4	−14.4	−30.2	0.0	0.75	g75b	c20v		0.0	0.802	1.0	0.25	0.852	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
215	0.25	0.625	1.0	240.0	49.5	79.8	250.4	−26.7	−75.1	61.0	59.9	250.4	−20.0	−56.3	0.0	0.75	g80b	c50v		0.0	0.39	1.0	0.25	0.542	1.0

3 Colours no. j=215

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	1.0	0.25	0.852	1.0	0.412	0.865	1.0
$rgb^*_{Fa,\ 8bit}$	64	159	255	64	217	255	105	220	255
L^*, C^*_{ab}, h_{ab}	62.4	54.2	276.2	77.2	33.6	244.4	78.4	30.2	246.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	34.5	34.5	3D−it:	3.8	3.8	

3 Colours no. j=215

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	1.0	0.25	0.542	1.0	0.0	0.749	0.998
$olv^*_{Fa,\ 8bit}$	64	159	255	64	138	255	0	191	255
L^*, C^*_{ab}, h_{ab}	62.4	54.2	276.2	61.0	59.9	250.4	68.9	43.9	260.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.1	26.1	3D−in:	18.3	18.3	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
216	0.25	0.75	0.0	130.9	84.6	98.1	140.0	−75.0	63.1	67.9	73.6	140.0	−56.2	47.3	0.25	0.75	j67g	l29c		0.0	1.0	0.285	0.0	0.75	0.214
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
216	0.25	0.75	0.0	130.9	87.0	107.6	122.7	−58.0	90.5	69.6	80.7	122.7	−43.5	67.9	0.25	0.75	j43g	y68l		0.565	1.0	0.0	0.424	0.75	0.0

3 Colours no. *j*=216

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.75	0.0	0.0	0.75	0.214	0.164	0.805	0.22
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	191	0	0	191	55	42	205	56
L^*, C^*_{ab}, h_{ab}	64.4	82.2	129.6	67.9	73.6	140.0	74.1	72.8	134.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.8	16.8	3D−it:	9.8	9.8	

linear interpolation (it): 3D interpolation (3D):

3 Colours no. *j*=216

output of the device colour *d*:

rgb input (in):									
	0.25	0.75	0.0	0.424	0.75	0.0	0.451	0.801	0.033
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	191	0	108	191	0	115	204	8
L^*, C^*_{ab}, h_{ab}	64.4	82.2	129.6	69.6	80.7	122.7	74.9	80.2	120.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	16.3	16.3	

linear interpolation (it): 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
217	0.25	0.75	0.125	139.1	85.1	79.3	149.5	−68.3	40.2	69.5	49.6	149.5	−42.6	25.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
217	0.25	0.75	0.125	139.1	86.5	108.9	126.9	−65.3	87.0	70.4	68.0	126.9	−40.8	54.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.625	j81g	l53c		0.0	1.0	0.533	0.125	0.75	0.458
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.625	j49g	y82l		0.505	1.0	0.0	0.441	0.75	0.125

3 Colours no. *j*=217

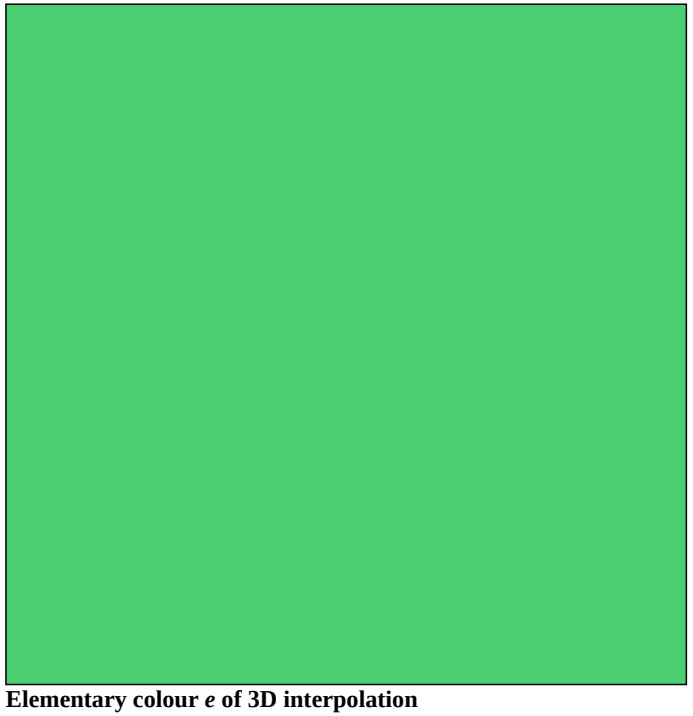
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.75	0.125	0.125	0.75	0.458	0.298	0.807	0.451
$rgb^*_{Fa,\ 8bit}$	64	191	32	32	191	117	76	206	115
L^*, C^*_{ab}, h_{ab}	64.5	74.8	132.7	69.5	49.6	149.5	74.0	50.0	148.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	31.3	31.3	3D−it:	4.5	4.5

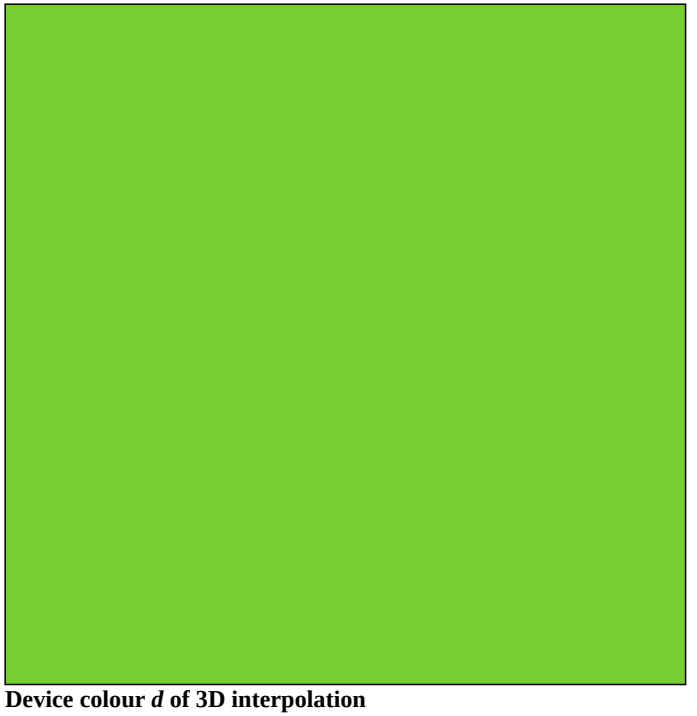
3 Colours no. *j*=217

output of the device colour *d*:

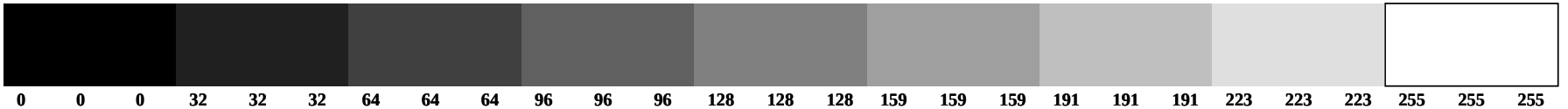
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.75	0.125	0.441	0.75	0.125	0.461	0.808	0.194
$olv^*_{Fa,\ 8bit}$	64	191	32	112	191	32	117	206	49
L^*, C^*_{ab}, h_{ab}	64.5	74.8	132.7	70.4	68.0	126.9	75.1	67.1	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.5	11.5	3D−in:	16.1	16.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
218	0.25	0.75	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	71.1	31.8	162.2	−30.1	9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
218	0.25	0.75	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	71.3	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.5	j99g	l77c		0.0	1.0	0.774	0.25	0.75	0.637
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.5	j57g	y100l		0.425	1.0	0.0	0.463	0.75	0.25

3 Colours no. *j*=218

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.75	0.25	0.25	0.75	0.637	0.415	0.809	0.639
$rgb^*_{Fa,\ 8bit}$	64	191	64	64	191	162	106	206	163
L^*, C^*_{ab}, h_{ab}	64.8	61.0	140.1	71.1	31.8	162.2	76.4	30.9	158.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	34.4	34.4	3D−it:	5.8	5.8	

3 Colours no. *j*=218

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.75	0.25	0.463	0.75	0.25	0.472	0.816	0.324
$olv^*_{Fa,\ 8bit}$	64	191	64	118	191	64	120	208	83
L^*, C^*_{ab}, h_{ab}	64.8	61.0	140.1	71.3	55.4	132.5	75.3	54.2	130.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−in:	16.1	16.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
219	0.25	0.75	0.375	163.9	86.3	55.0	174.9	−54.6	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
219	0.25	0.75	0.375	163.9	84.9	115.3	147.4	−97.0	62.2

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
71.4	27.5	174.9	−27.3	2.4
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
70.7	57.7	147.4	−48.5	31.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.5	g11b	l90c		0.0	1.0	0.898	0.25	0.75	0.699
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.5	j78g	l23c		0.213	1.0	0.0	0.356	0.75	0.25

3 Colours no. *j*=219

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.75	0.375	0.25	0.75	0.699	0.413	0.809	0.723
$rgb^*_{Fa,\ 8bit}$	64	191	96	64	191	178	105	206	184
L^*, C^*_{ab}, h_{ab}	65.1	50.0	148.7	71.4	27.5	174.9	76.0	27.5	170.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	28.8	28.8	3D−it:	5.0	5.0	

3 Colours no. *j*=219

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.75	0.375	0.356	0.75	0.25	0.254	0.832	0.409
$olv^*_{Fa,\ 8bit}$	64	191	96	91	191	64	65	212	104
L^*, C^*_{ab}, h_{ab}	65.1	50.0	148.7	70.7	57.7	147.4	74.6	55.5	141.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	12.7	12.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
220	0.25	0.75	0.5	180.0	87.0	49.2	189.6	−48.4	−8.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
220	0.25	0.75	0.5	180.0	84.4	116.1	164.6	−111.8	30.8

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
71.8	24.6	189.6	−24.1	−4.0
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
70.5	58.0	164.6	−55.9	15.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.5	g25b	l97c		0.0	1.0	0.967	0.25	0.75	0.733
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.5	g02b	l50c		0.0	1.0	0.043	0.25	0.75	0.272

3 Colours no. *j*=220

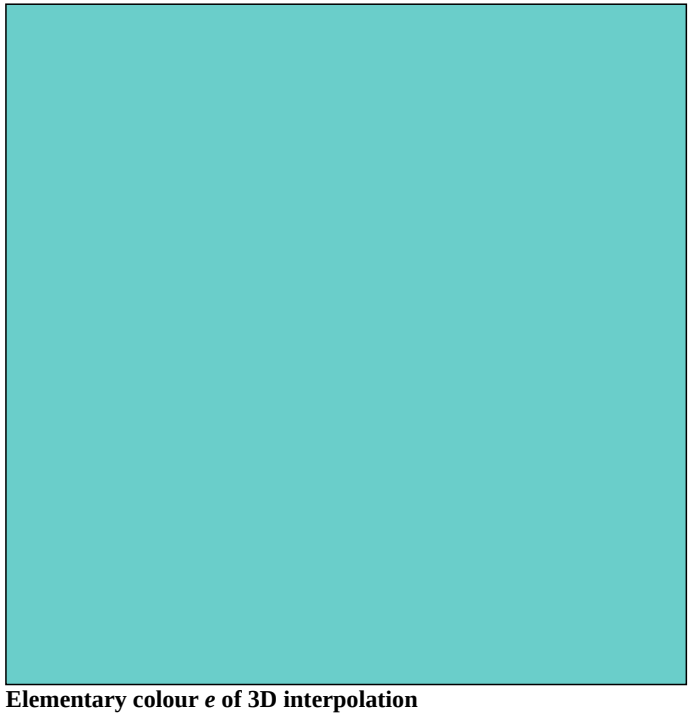
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.75	0.5	0.25	0.75	0.733	0.415	0.809	0.794
$rgb^*_{Fa,\ 8bit}$	64	191	128	64	191	187	106	206	202
L^*, C^*_{ab}, h_{ab}	65.4	40.5	160.1	71.8	24.6	189.6	76.9	23.9	189.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.5	23.5	3D−it:	5.2	5.2	

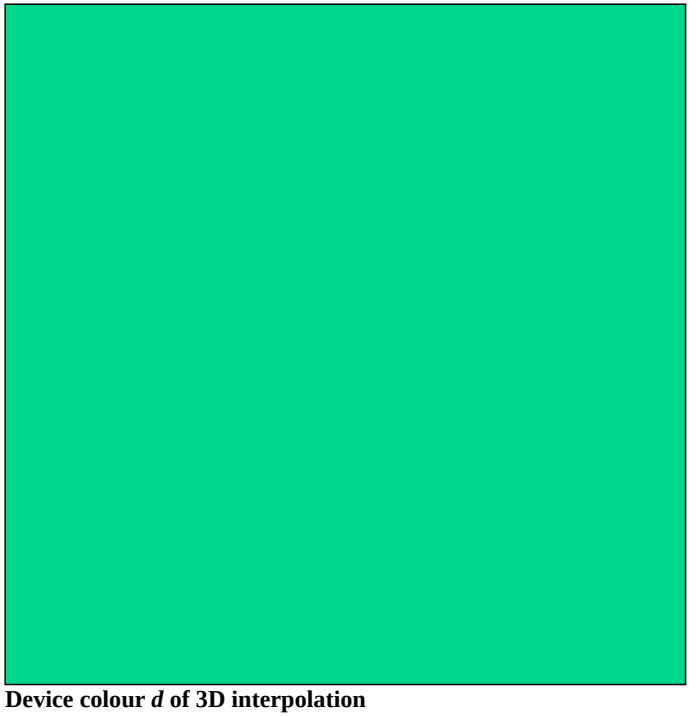
3 Colours no. *j*=220

output of the device colour *d*:

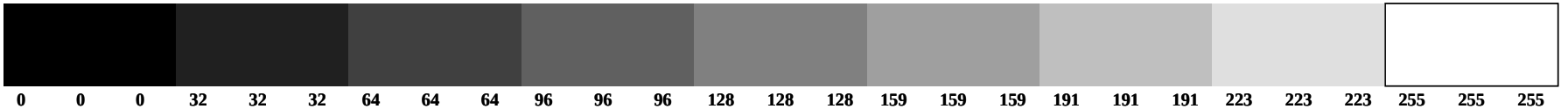
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.75	0.5	0.25	0.75	0.272	0.0	0.849	0.562
$olv^*_{Fa,\ 8bit}$	64	191	128	64	191	69	0	216	143
L^*, C^*_{ab}, h_{ab}	65.4	40.5	160.1	70.5	58.0	164.6	73.1	54.3	161.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.7	18.7	3D−in:	15.9	15.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
221	0.25	0.75	0.625	196.1	84.7	45.4	204.3	−41.2	−18.6	70.6	22.7	204.3	−20.6	−9.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
221	0.25	0.75	0.625	196.1	84.8	92.3	181.8	−92.2	−2.9	70.6	46.2	181.8	−46.0	−1.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.5	g38b	c03v		0.0	0.972	1.0	0.25	0.736	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.5	g18b	l77c		0.0	1.0	0.358	0.25	0.75	0.429

3 Colours no. *j*=221

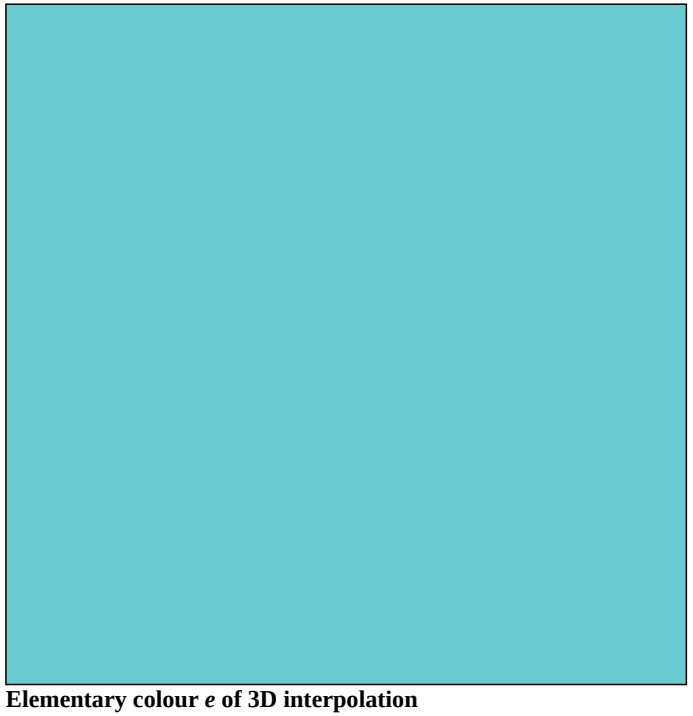
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.75	0.625	0.25	0.736	0.75	0.413	0.789	0.827
$rgb^*_{Fa,\ 8bit}$	64	191	159	64	188	191	105	201	211
L^*, C^*_{ab}, h_{ab}	65.9	33.3	175.2	70.6	22.7	204.3	73.9	20.3	198.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.1	18.1	3D−it:	4.6	4.6	

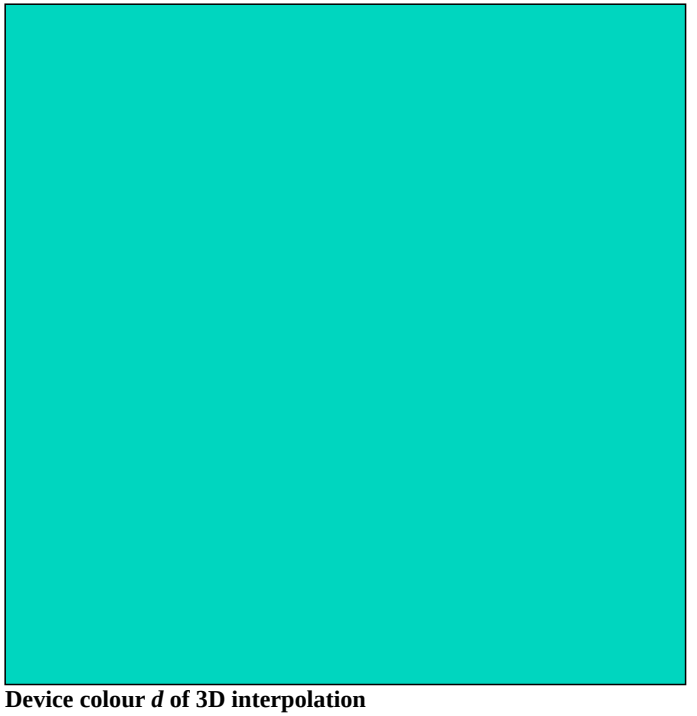
3 Colours no. *j*=221

output of the device colour *d*:

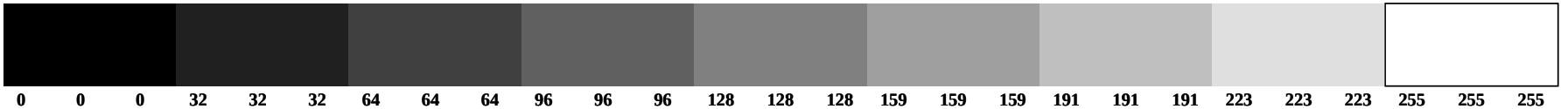
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.75	0.625	0.25	0.75	0.429	0.0	0.839	0.748
$olv^*_{Fa,\ 8bit}$	64	191	159	64	191	109	0	214	191
L^*, C^*_{ab}, h_{ab}	65.9	33.3	175.2	70.6	46.2	181.8	73.8	44.8	175.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.5	14.5	3D−in:	14.0	14.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
222	0.25	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	68.4	21.8	217.0	−17.3	−13.0	0.25	0.5	g50b	c08v		0.0	0.925	1.0	0.25	0.712	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
222	0.25	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	70.9	36.4	196.7	−34.8	−10.4	0.25	0.5	g31b	c00v		0.0	1.0	0.63	0.25	0.75	0.565

3 Colours no. *j*=222

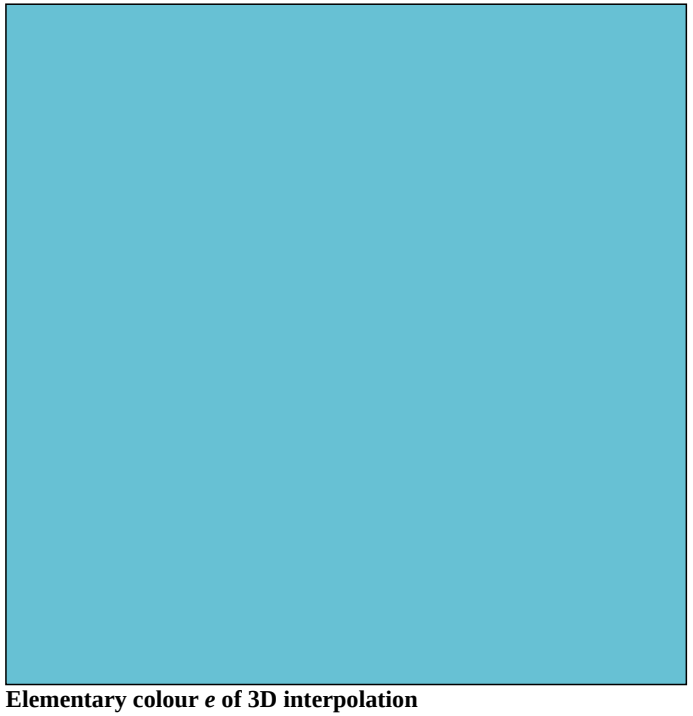
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.75	0.75	0.25	0.712	0.75	0.402	0.755	0.83
$rgb^*_{Fa,\ 8bit}$	64	191	191	64	182	191	103	192	212
L^*, C^*_{ab}, h_{ab}	66.3	29.0	196.1	68.4	21.8	217.0	68.8	17.8	206.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.8	11.8	3D−it:	5.5	5.5

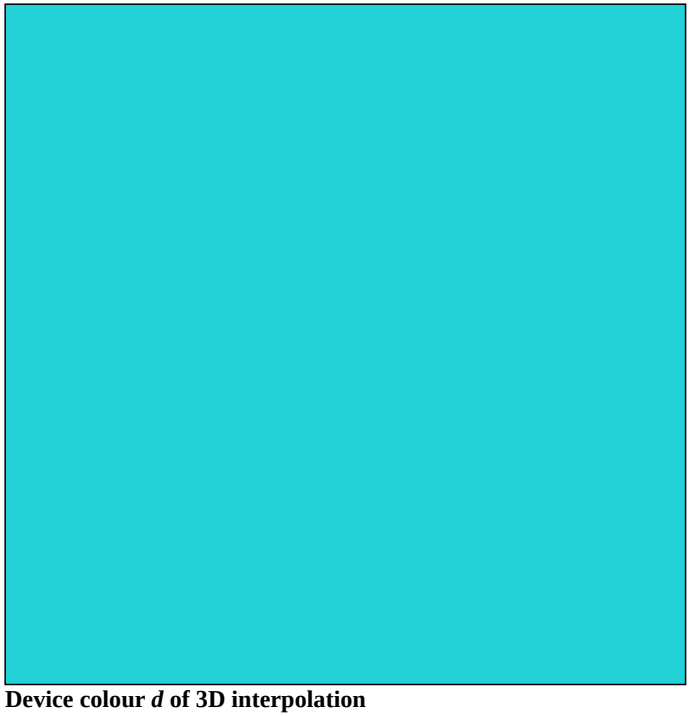
3 Colours no. *j*=222

output of the device colour *d*:

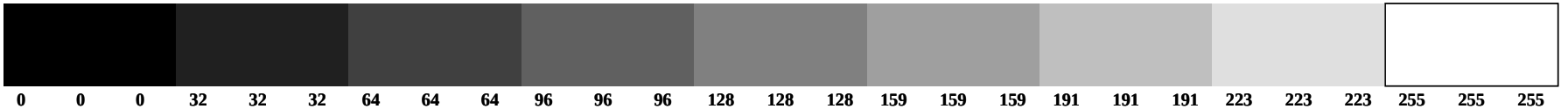
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.75	0.75	0.25	0.75	0.565	0.132	0.823	0.841
$olv^*_{Fa,\ 8bit}$	64	191	191	64	191	144	34	210	215
L^*, C^*_{ab}, h_{ab}	66.3	29.0	196.1	70.9	36.4	196.7	75.9	30.2	191.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.7	8.7	3D−in:	10.0	10.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
223	0.25	0.75	0.875	220.9	76.9	42.3	226.9	−28.8	−30.8	74.1	26.4	226.9	−17.9	−19.2	0.125	0.625	g59b	c11v		0.0	0.888	1.0	0.25	0.805	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
223	0.25	0.75	0.875	220.9	87.2	47.6	216.2	−38.3	−28.0	80.5	29.7	216.2	−23.9	−17.5	0.125	0.625	g48b	c18v		0.0	1.0	0.986	0.25	0.875	0.866

3 Colours no. *j*=223

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.75	0.875	0.25	0.805	0.875	0.413	0.83	0.926
$rgb^*_{Fa,\ 8bit}$	64	191	223	64	205	223	105	212	236
L^*, C^*_{ab}, h_{ab}	67.0	29.4	223.0	74.1	26.4	226.9	80.2	24.4	229.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−it:	6.5	6.5	

3 Colours no. *j*=223

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.75	0.875	0.25	0.875	0.866	0.418	0.91	0.968
$olv^*_{Fa,\ 8bit}$	64	191	223	64	223	221	107	232	247
L^*, C^*_{ab}, h_{ab}	67.0	29.4	223.0	80.5	29.7	216.2	91.5	19.7	198.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.0	14.0	3D−in:	28.2	28.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
224	0.25	0.75	1.0	229.1	74.4	42.6	234.4	−24.7	−34.6	79.6	32.0	234.4	−18.5	−25.9	0.0	0.75	g66b	c15v		0.0	0.854	1.0	0.25	0.891	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
224	0.25	0.75	1.0	229.1	67.5	47.2	230.9	−29.7	−36.5	74.5	35.4	230.9	−22.2	−27.4	0.0	0.75	g62b	c32v		0.0	0.746	1.0	0.25	0.809	1.0

3 Colours no. *j*=224

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.75	1.0	0.25	0.891	1.0	0.419	0.895	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	191	255	64	227	255	107	228	255
L^*, C^*_{ab}, h_{ab}	68.9	43.9	260.1	79.6	32.0	234.4	81.8	28.6	232.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.1	23.1	3D−it:	4.1	4.1	

3 Colours no. *j*=224

output of the device colour *d*:

rgb input (in):									
	0.25	0.75	1.0	0.25	0.809	1.0	0.24	0.848	0.968
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	191	255	64	206	255	61	216	247
L^*, C^*_{ab}, h_{ab}	68.9	43.9	260.1	74.5	35.4	230.9	76.6	32.6	228.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.3	22.3	3D−in:	24.8	24.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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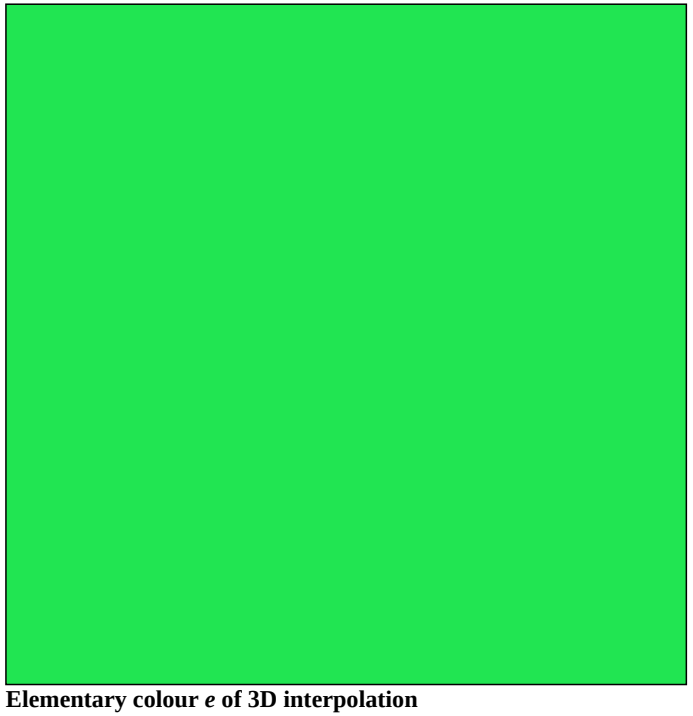
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
225	0.25	0.875	0.0	133.9	84.8	90.4	143.5	−72.5	53.8	76.4	79.1	143.5	−63.4	47.1	0.125	0.875	j72g	l38c		0.0	1.0	0.384	0.0	0.875	0.336
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
225	0.25	0.875	0.0	133.9	86.8	108.0	124.3	−60.7	89.3	78.2	94.5	124.3	−53.1	78.1	0.125	0.875	j45g	y73l		0.543	1.0	0.0	0.475	0.875	0.0

3 Colours no. *j*=225

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.875	0.0	0.0	0.875	0.336	0.128	0.899	0.321
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	223	0	0	223	86	33	229	82
L^*, C^*_{ab}, h_{ab}	72.9	96.0	129.9	76.4	79.1	143.5	80.3	79.9	141.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.8	26.8	3D−it:	5.0	5.0	

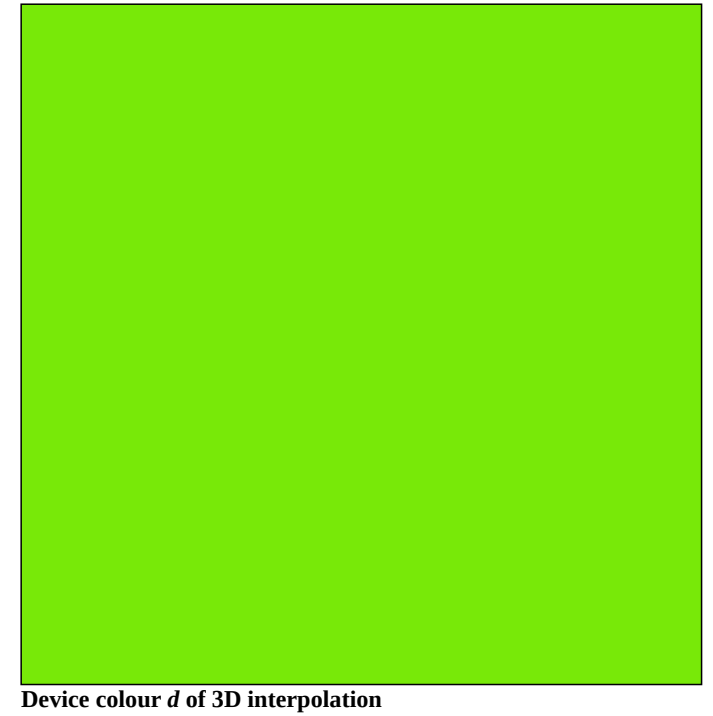


Elementary colour *e* of 3D interpolation

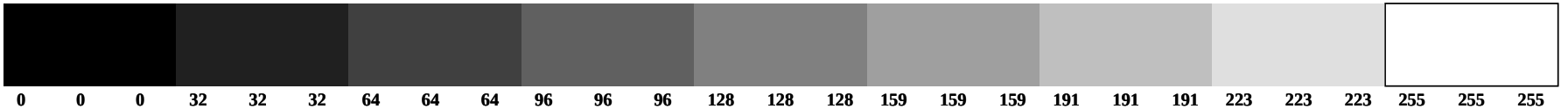
3 Colours no. *j*=225

output of the device colour *d*:

rgb input (in):									
	0.25	0.875	0.0	0.475	0.875	0.0	0.471	0.913	0.033
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	223	0	121	223	0	120	233	8
L^*, C^*_{ab}, h_{ab}	72.9	96.0	129.9	78.2	94.5	124.3	82.5	96.3	122.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	16.1	16.1	



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
226	0.25	0.875	0.125	141.0	85.2	75.9	151.8	−66.8	35.9	78.0	56.9	151.8	−50.1	26.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
226	0.25	0.875	0.125	141.0	86.4	109.2	127.9	−67.0	86.1	78.9	81.9	127.9	−50.2	64.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.75	j84g	l58c		0.0	1.0	0.584	0.125	0.875	0.563
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.75	j50g	y85l		0.491	1.0	0.0	0.493	0.875	0.125

3 Colours no. *j*=226

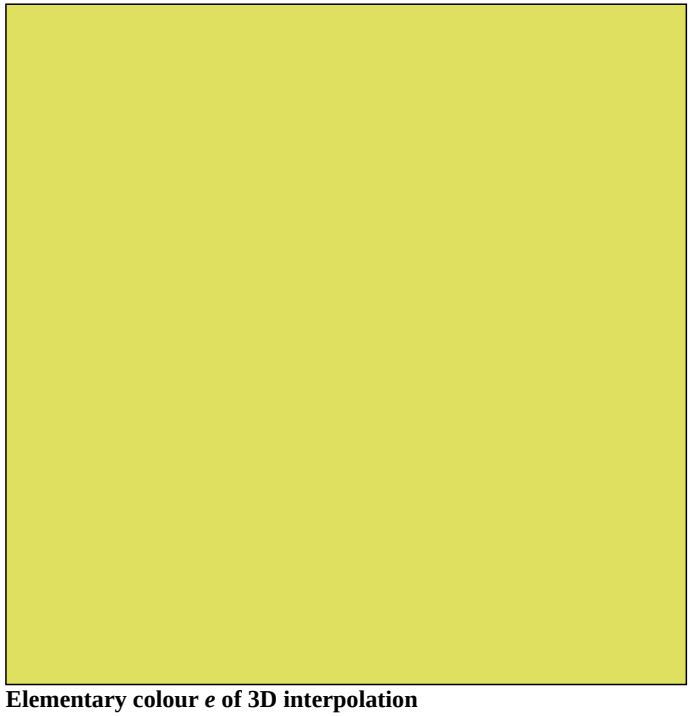
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.875	0.125	0.125	0.875	0.563	0.875	0.875	0.375
$rgb^*_{Fa,\ 8bit}$	64	223	32	32	223	144	223	223	96
L^*, C^*_{ab}, h_{ab}	73.0	89.3	132.4	78.0	56.9	151.8	80.1	57.7	148.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	40.6	40.6	3D−it:	4.3	4.3	

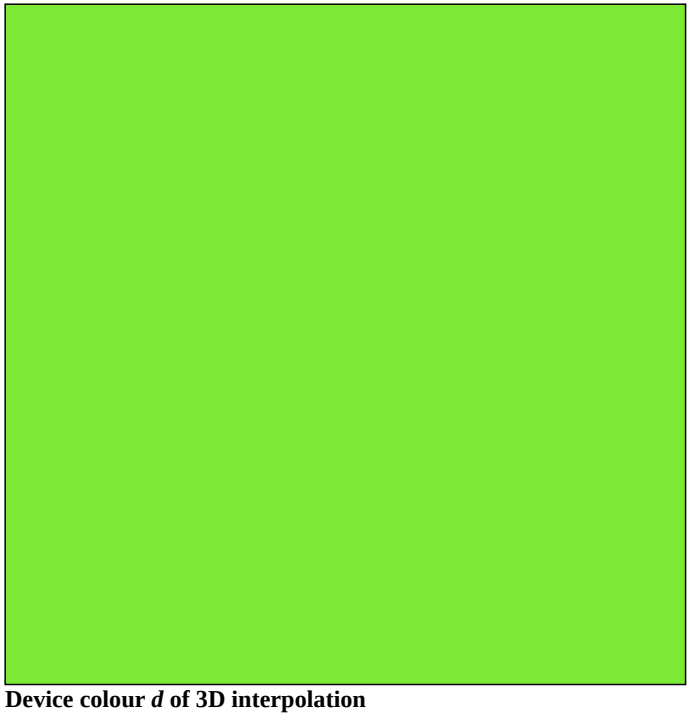
3 Colours no. *j*=226

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.875	0.125	0.493	0.875	0.125	0.485	0.918	0.205
$olv^*_{Fa,\ 8bit}$	64	223	32	126	223	32	124	234	52
L^*, C^*_{ab}, h_{ab}	73.0	89.3	132.4	78.9	81.9	127.9	83.0	82.8	123.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	17.6	17.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
227	0.25	0.875	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	79.6	39.7	162.2	−37.7	12.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
227	0.25	0.875	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	79.8	69.2	132.5	−46.7	51.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.625	j99g	l77c		0.0	1.0	0.774	0.25	0.875	0.734
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.625	j57g	y100l		0.425	1.0	0.0	0.516	0.875	0.25

3 Colours no. *j*=227

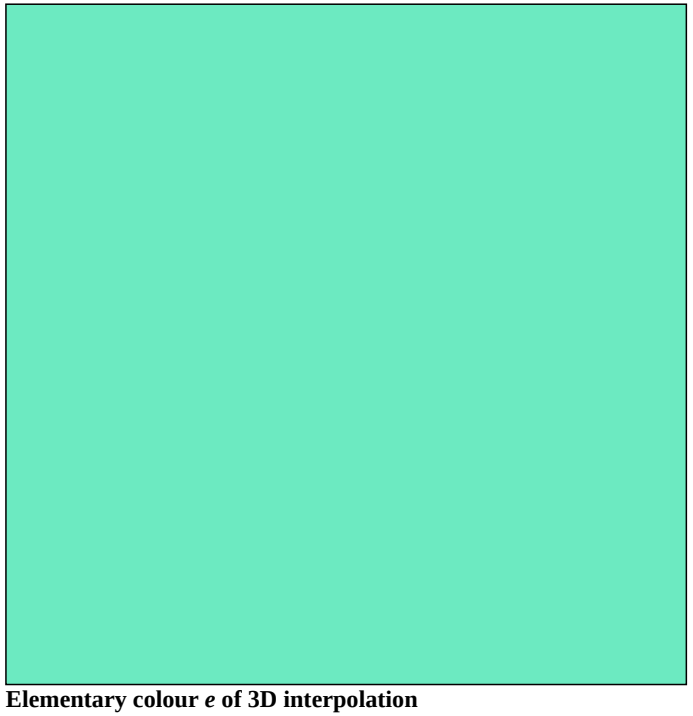
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.875	0.25	0.25	0.875	0.734	0.425	0.916	0.755
$rgb^*_{Fa,\ 8bit}$	64	223	64	64	223	187	108	234	193
L^*, C^*_{ab}, h_{ab}	73.2	76.5	138.2	79.6	39.7	162.2	83.3	37.8	150.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	43.8	43.8	3D−it:	9.1	9.1

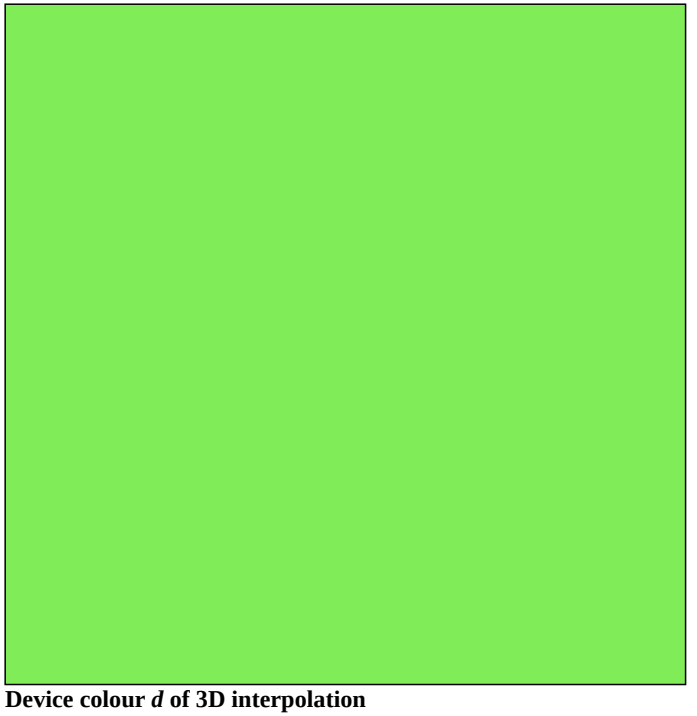
3 Colours no. *j*=227

output of the device colour *d*:

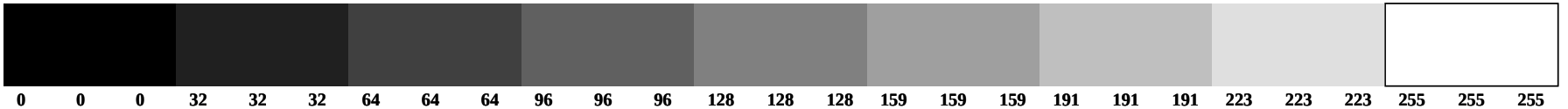
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.875	0.25	0.516	0.875	0.25	0.502	0.924	0.345
$olv^*_{Fa,\ 8bit}$	64	223	64	132	223	64	128	236	88
L^*, C^*_{ab}, h_{ab}	73.2	76.5	138.2	79.8	69.2	132.5	84.5	69.1	128.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.2	12.2	3D−in:	18.2	18.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
228	0.25	0.875	0.375	160.9	86.2	56.0	172.2	−55.4	7.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
228	0.25	0.875	0.375	160.9	85.1	114.4	144.2	−92.6	67.0

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
79.9	35.0	172.2	−34.6	4.8
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
79.2	71.5	144.2	−57.9	41.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.625	g09b	l89c		0.0	1.0	0.886	0.25	0.875	0.804
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.625	j73g	l18c		0.259	1.0	0.0	0.412	0.875	0.25

3 Colours no. *j*=228

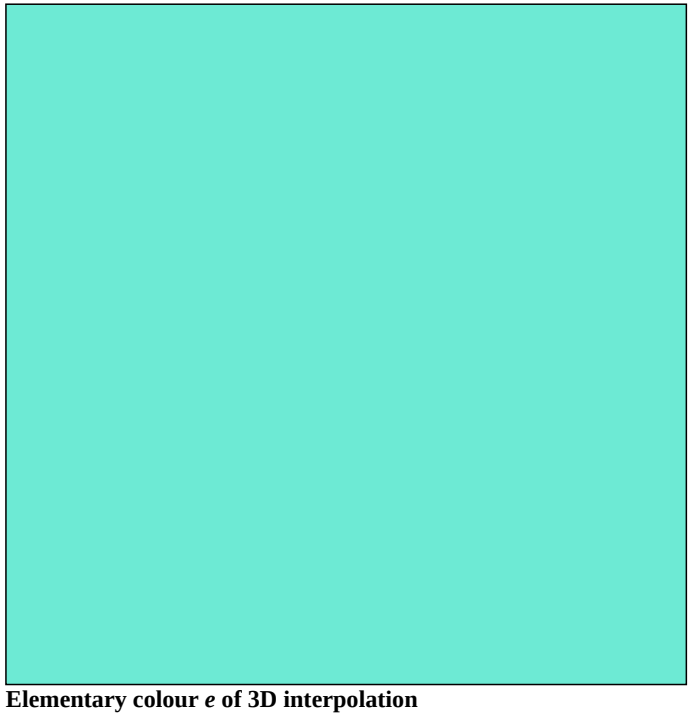
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.875	0.375	0.25	0.875	0.804	0.426	0.916	0.833
$rgb^*_{Fa,\ 8bit}$	64	223	96	64	223	205	109	234	212
L^*, C^*_{ab}, h_{ab}	73.5	65.8	144.3	79.9	35.0	172.2	84.5	34.8	169.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	39.0	39.0	3D−it:	4.8	4.8	

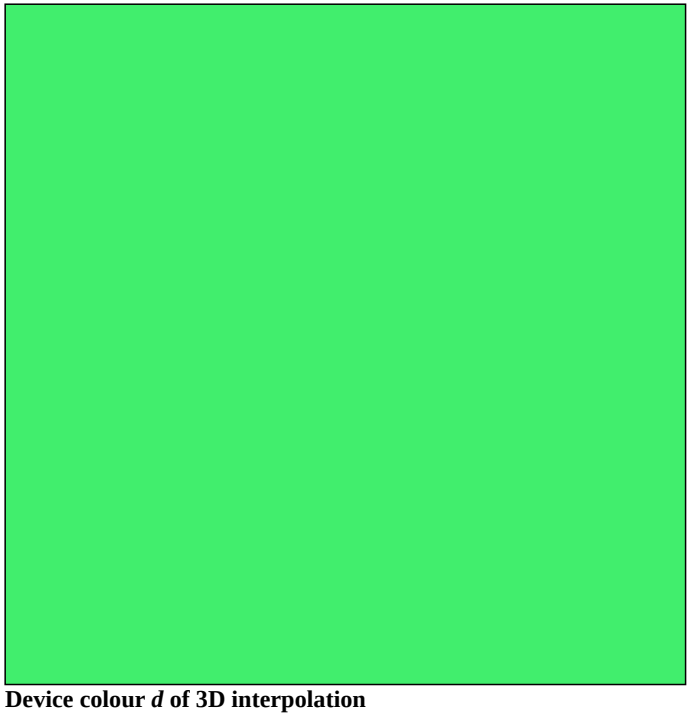
3 Colours no. *j*=228

output of the device colour *d*:

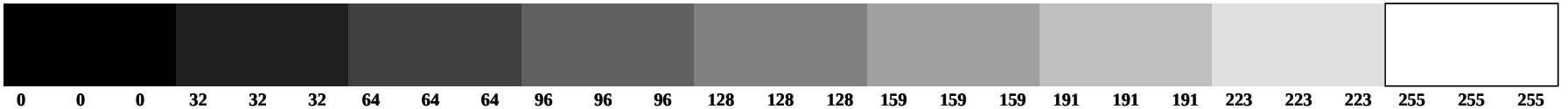
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.875	0.375	0.412	0.875	0.25	0.256	0.933	0.427
$olv^*_{Fa,\ 8bit}$	64	223	96	105	223	64	65	238	109
L^*, C^*_{ab}, h_{ab}	73.5	65.8	144.3	79.2	71.5	144.2	87.1	70.2	138.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−in:	16.0	16.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
229	0.25	0.875	0.5	173.4	86.7	51.6	183.6	−51.4	−3.1	80.3	32.2	183.6	−32.1	−1.9	0.125	0.625	g19b	l94c		0.0	1.0	0.939	0.25	0.875	0.837
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
229	0.25	0.875	0.5	173.4	84.5	117.5	157.6	−108.5	44.9	78.8	73.4	157.6	−67.8	28.0	0.125	0.625	j92g	l39c		0.067	1.0	0.0	0.292	0.875	0.25

3 Colours no. *j*=229

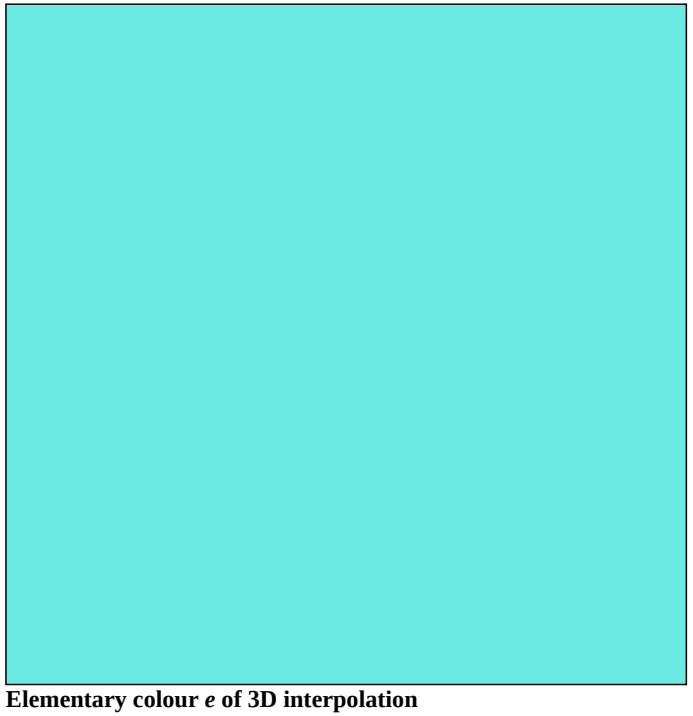
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.875	0.5	0.25	0.875	0.837	0.416	0.917	0.889
$rgb^*_{Fa,\ 8bit}$	64	223	128	64	223	213	106	234	227
L^*, C^*_{ab}, h_{ab}	73.7	56.0	151.7	80.3	32.2	183.6	84.6	29.7	176.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	33.9	33.9	3D−it:	6.3	6.3

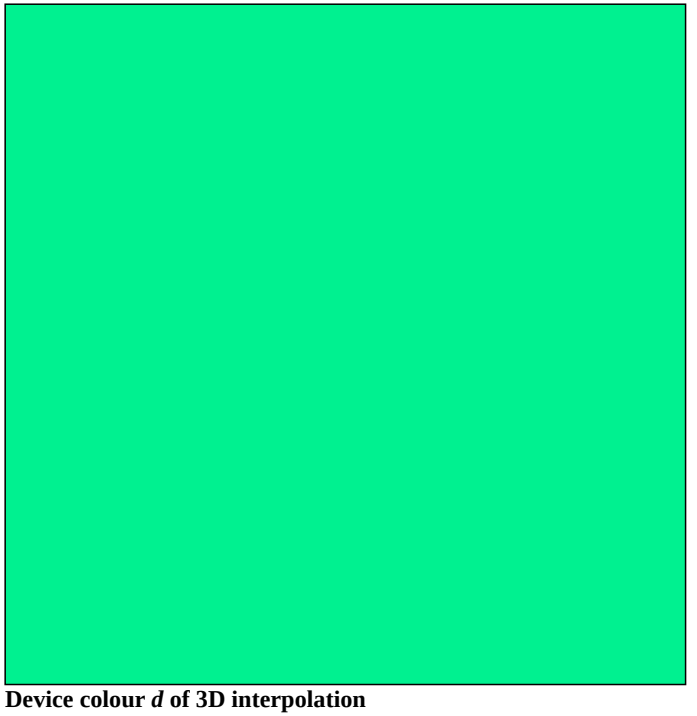
3 Colours no. *j*=229

output of the device colour *d*:

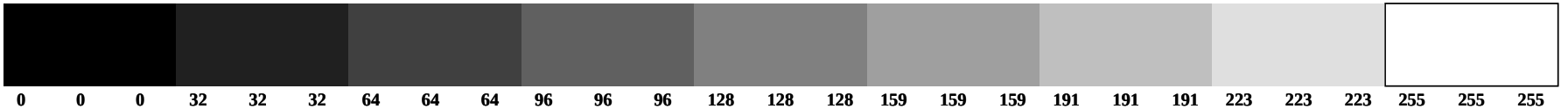
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.875	0.5	0.292	0.875	0.25	0.0	0.944	0.563
$olv^*_{Fa,\ 8bit}$	64	223	128	74	223	64	0	241	143
L^*, C^*_{ab}, h_{ab}	73.7	56.0	151.7	78.8	73.4	157.6	85.9	68.7	150.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	19.3	19.3	3D−in:	17.7	17.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
230	0.25	0.875	0.625	186.6	87.3	46.8	195.6	−45.0	−12.5	80.6	29.3	195.6	−28.1	−7.8
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
230	0.25	0.875	0.625	186.6	84.5	108.0	171.7	−106.8	15.7	78.9	67.5	171.7	−66.7	9.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.625	g30b	l99c		0.0	1.0	0.995	0.25	0.875	0.872
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.625	g08b	l61c		0.0	1.0	0.172	0.25	0.875	0.358

3 Colours no. *j*=230

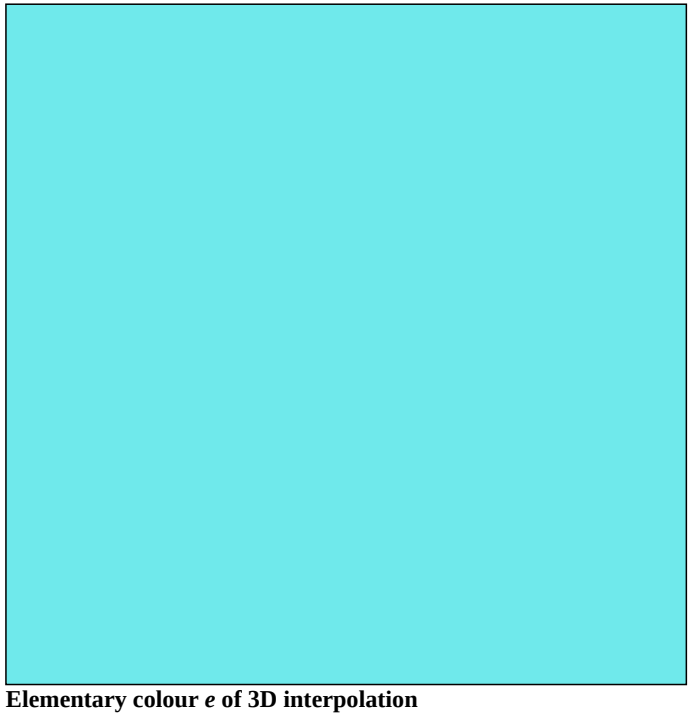
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.875	0.625	0.25	0.875	0.872	0.435	0.915	0.921
$rgb^*_{Fa,\ 8bit}$	64	223	159	64	223	222	111	233	235
L^*, C^*_{ab}, h_{ab}	74.1	47.8	161.0	80.6	29.3	195.6	84.3	23.9	189.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.7	29.7	3D−it:	7.0	7.0	

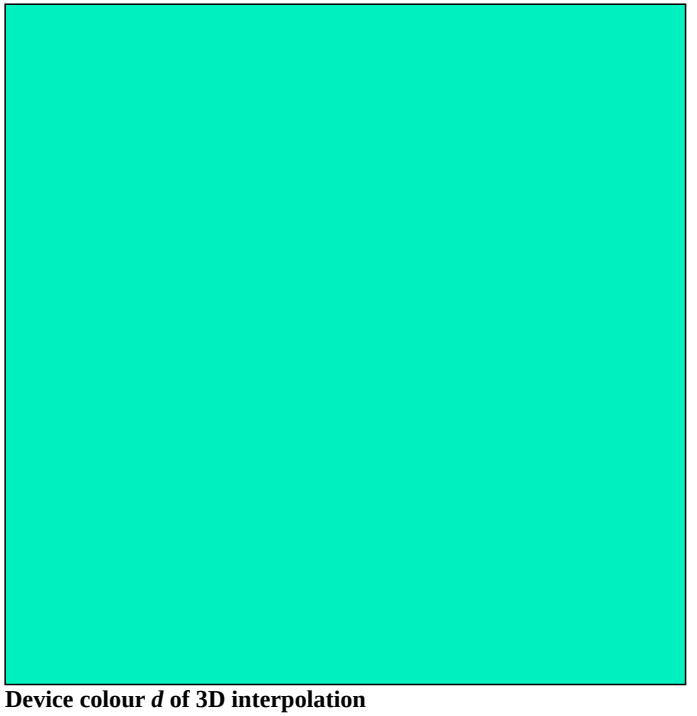
3 Colours no. *j*=230

output of the device colour *d*:

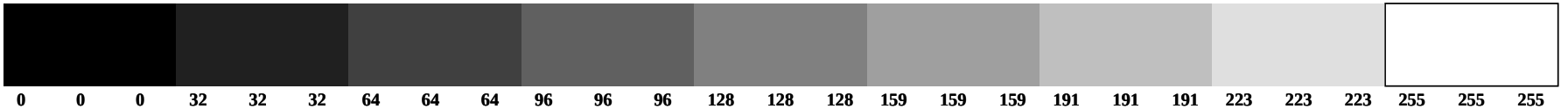
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.875	0.625	0.25	0.875	0.358	0.0	0.947	0.749
$olv^*_{Fa,\ 8bit}$	64	223	159	64	223	91	0	242	191
L^*, C^*_{ab}, h_{ab}	74.1	47.8	161.0	78.9	67.5	171.7	86.2	55.6	169.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.9	22.9	3D−in:	16.3	16.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
231	0.25	0.875	0.75	199.1	83.8	45.0	207.0	−40.0	−20.4	78.4	28.1	207.0	−24.9	−12.7	0.125	0.625	g40b	c04v		0.0	0.962	1.0	0.25	0.851	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
231	0.25	0.875	0.75	199.1	84.9	87.8	185.1	−87.4	−7.6	79.1	54.9	185.1	−54.6	−4.7	0.125	0.625	g20b	l82c		0.0	1.0	0.417	0.25	0.875	0.511

3 Colours no. *j*=231

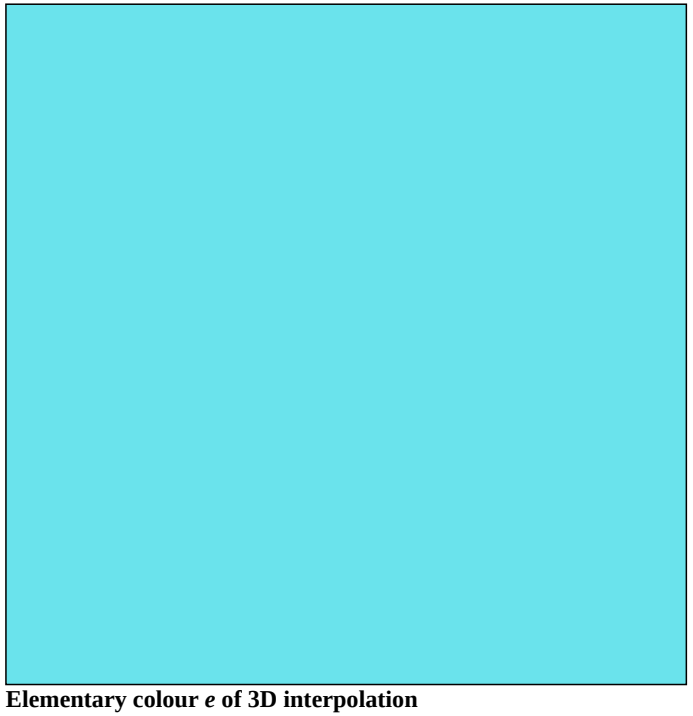
output of the elementary colour *e*:

rgb input (in):								
rgb^*_{Fa}	0.25	0.875	0.75	0.25	0.851	0.875	0.414	0.891	0.927
$rgb^*_{Fa,\ 8bit}$	64	223	191	64	217	223	106	227	237
L^*, C^*_{ab}, h_{ab}	74.5	40.5	173.3	78.4	28.1	207.0	80.9	21.3	196.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.5	23.5	3D−it:	8.7	8.7	

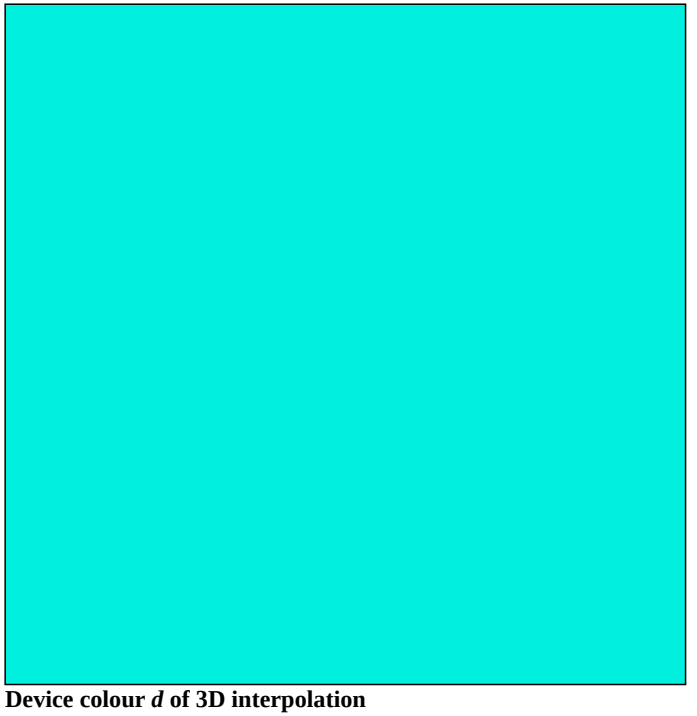
3 Colours no. *j*=231

output of the device colour *d*:

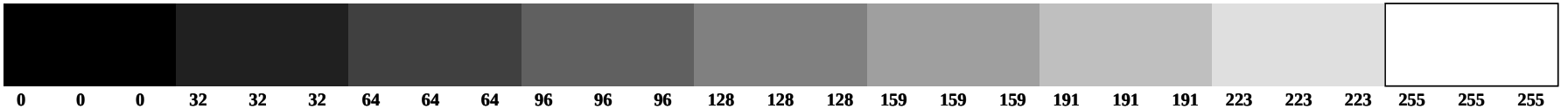
rgb input (in):								
olv^*_{Fa}	0.25	0.875	0.75	0.25	0.875	0.511	0.0	0.938	0.875
$olv^*_{Fa,\ 8bit}$	64	223	191	64	223	130	0	239	223
L^*, C^*_{ab}, h_{ab}	74.5	40.5	173.3	79.1	54.9	185.1	87.5	43.1	175.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.9	17.9	3D−in:	13.3	13.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
232	0.25	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
232	0.25	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
76.3	27.3	217.0	−21.7	−16.3	0.125	0.625	g50b	c08v		0.0	0.925	1.0	0.25	0.828	0.875
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
79.4	45.5	196.7	−43.5	−13.0	0.125	0.625	g31b	c00v		0.0	1.0	0.63	0.25	0.875	0.644

3 Colours no. *j*=232

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.875	0.875	0.25	0.828	0.875	0.411	0.865	0.929
$rgb^*_{Fa,\ 8bit}$	64	223	223	64	211	223	105	221	237
L^*, C^*_{ab}, h_{ab}	75.1	35.3	191.7	76.3	27.3	217.0	84.5	21.5	221.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.8	15.8	3D−it:	10.2	10.2

3 Colours no. *j*=232

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.875	0.875	0.25	0.875	0.644	0.0	0.928	0.936
$olv^*_{Fa,\ 8bit}$	64	223	223	64	223	164	0	237	239
L^*, C^*_{ab}, h_{ab}	75.1	35.3	191.7	79.4	45.5	196.7	84.3	39.4	192.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.6	11.6	3D−in:	10.1	10.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 233/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
233	0.25	0.875	1.0	219.0	77.5	42.5	225.2	−29.9	−30.0	82.0	31.9	225.2	−22.4	−22.5	0.0	0.75	g57b	c11v		0.0	0.895	1.0	0.25	0.921	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
233	0.25	0.875	1.0	219.0	86.5	53.0	212.7	−44.5	−28.5	88.8	39.7	212.7	−33.3	−21.4	0.0	0.75	g45b	c15v		0.0	1.0	0.922	0.25	1.0	0.942

3 Colours no. *j*=233

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.875	1.0	0.25	0.921	1.0	0.416	0.922	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	223	255	64	235	255	106	235	255
L^*, C^*_{ab}, h_{ab}	76.6	37.5	234.6	82.0	31.9	225.2	86.5	23.6	222.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	9.5	9.5	

3 Colours no. *j*=233

output of the device colour *d*:

rgb input (in):									
	0.25	0.875	1.0	0.25	1.0	0.942	0.376	1.0	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	223	255	64	255	240	96	255	255
L^*, C^*_{ab}, h_{ab}	76.6	37.5	234.6	88.8	39.7	212.7	88.9	32.9	200.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.2	19.2	3D−in:	24.7	24.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
234	0.25	1.0	0.0	136.1	84.9	85.4	146.0	−70.7	47.7	84.9	85.4	146.0	−70.7	47.7	0.0	1.0	j76g	l45c		0.0	1.0	0.449	0.0	1.0	0.449
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
234	0.25	1.0	0.0	136.1	86.7	108.4	125.4	−62.7	88.4	86.7	108.4	125.4	−62.7	88.4	0.0	1.0	j47g	y77l		0.527	1.0	0.0	0.527	1.0	0.0

3 Colours no. *j*=234

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	1.0	0.0	0.0	1.0	0.449	0.0	1.0	0.457
$rgb^*_{Fa,\ 8bit}$	64	255	0	0	255	114	0	255	117
L^*, C^*_{ab}, h_{ab}	85.0	114.6	129.9	84.9	85.4	146.0	85.2	85.3	142.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	40.3	40.3	3D−it:	5.4	5.4	

3 Colours no. *j*=234

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	1.0	0.0	0.527	1.0	0.0	0.481	1.0	0.034
$olv^*_{Fa,\ 8bit}$	64	255	0	134	255	0	123	255	9
L^*, C^*_{ab}, h_{ab}	85.0	114.6	129.9	86.7	108.4	125.4	86.9	109.0	124.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	12.2	12.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
235	0.25	1.0	0.125	142.4	85.3	73.5	153.4	−65.6	32.9	86.5	64.3	153.4	−57.4	28.8
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
235	0.25	1.0	0.125	142.4	86.3	109.4	128.6	−68.2	85.5	87.5	95.8	128.6	−59.7	74.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	j86g	l62c		0.0	1.0	0.62	0.125	1.0	0.667
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j51g	y87l		0.481	1.0	0.0	0.546	1.0	0.125

3 Colours no. *j*=235

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	1.0	0.125	0.125	1.0	0.667	0.272	1.0	0.688
$rgb^*_{Fa,\ 8bit}$	64	255	32	32	255	170	69	255	175
L^*, C^*_{ab}, h_{ab}	85.1	108.9	131.7	86.5	64.3	153.4	87.1	64.5	148.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 54.6	54.6	3D−it:	5.5	5.5	

3 Colours no. *j*=235

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	1.0	0.125	0.546	1.0	0.125	0.502	1.0	0.216
$olv^*_{Fa,\ 8bit}$	64	255	32	139	255	32	128	255	55
L^*, C^*_{ab}, h_{ab}	85.1	108.9	131.7	87.5	95.8	128.6	88.3	98.7	126.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 14.4	14.4	3D−in:	14.7	14.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
236	0.25	1.0	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	88.1	47.6	162.2	−45.3	14.5	0.0	0.75	j99g	l77c		0.0	1.0	0.774	0.25	1.0	0.831
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
236	0.25	1.0	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	88.3	83.1	132.5	−56.0	61.3	0.0	0.75	j57g	y100l		0.425	1.0	0.0	0.569	1.0	0.25

3 Colours no. *j*=236

output of the elementary colour *e*:

rgb input (in):									
	0.25	1.0	0.25	0.25	1.0	0.831	0.432	1.0	0.863
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	255	64	64	255	212	110	255	220
L^*, C^*_{ab}, h_{ab}	85.3	97.2	135.9	88.1	47.6	162.2	88.9	47.3	159.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	58.5	58.5	3D−it:	2.8	2.8	

linear interpolation (it): 3D interpolation (3D):

3 Colours no. *j*=236

output of the device colour *d*:

rgb input (in):									
	0.25	1.0	0.25	0.569	1.0	0.25	0.502	1.0	0.366
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	255	64	145	255	64	128	255	93
L^*, C^*_{ab}, h_{ab}	85.3	97.2	135.9	88.3	83.1	132.5	89.8	85.0	130.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−in:	15.3	15.3	

linear interpolation (it): 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
237	0.25	1.0	0.375	158.9	86.1	56.7	170.4	−55.8	9.5	88.4	42.6	170.4	−41.9	7.1	0.0	0.75	g07b	l88c		0.0	1.0	0.877	0.25	1.0	0.908
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
237	0.25	1.0	0.375	158.9	85.2	113.8	142.1	−89.7	70.0	87.8	85.4	142.1	−67.2	52.5	0.0	0.75	j70g	l15c		0.288	1.0	0.0	0.466	1.0	0.25

3 Colours no. *j*=237

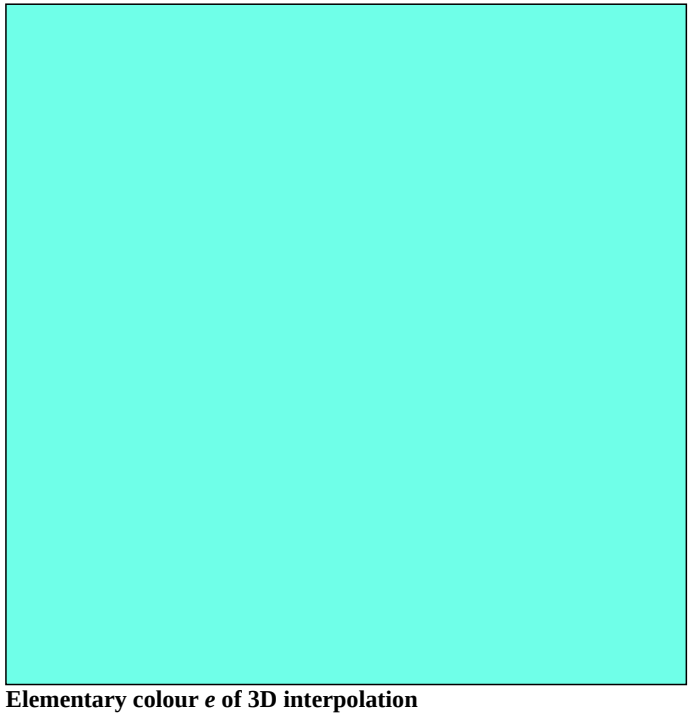
output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
rgb^*_{Fa}	0.25	1.0	0.375	0.25	1.0	0.908	0.434	1.0	0.908
$rgb^*_{Fa,\ 8bit}$	64	255	96	64	255	232	111	255	232
L^*, C^*_{ab}, h_{ab}	85.5	87.1	140.2	88.4	42.6	170.4	88.7	43.4	161.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	54.7	54.7	3D−it:	6.4	6.4

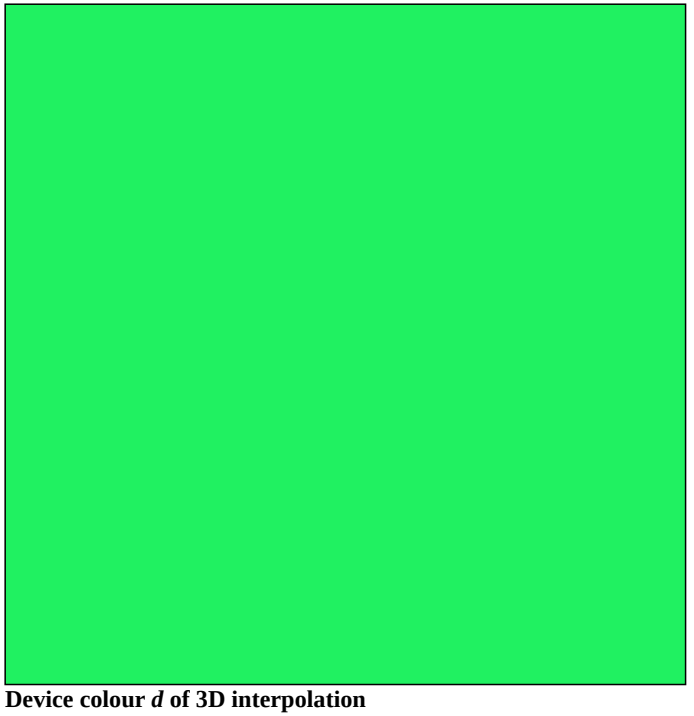
3 Colours no. *j*=237

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
olv^*_{Fa}	0.25	1.0	0.375	0.466	1.0	0.25	0.125	0.944	0.38
$olv^*_{Fa,\ 8bit}$	64	255	96	119	255	64	32	241	97
L^*, C^*_{ab}, h_{ab}	85.5	87.1	140.2	87.8	85.4	142.1	90.1	87.1	140.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.1	4.1	3D−in:	4.6	4.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
238	0.25	1.0	0.5	169.1	86.5	53.1	179.7	−53.0	0.3	88.7	39.8	179.7	−39.7	0.2	0.0	0.75	g16b	l92c		0.0	1.0	0.921	0.25	1.0	0.94
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
238	0.25	1.0	0.5	169.1	84.6	116.8	152.9	−103.9	53.1	87.3	87.6	152.9	−77.9	39.9	0.0	0.75	j86g	l32c		0.133	1.0	0.0	0.35	1.0	0.25

3 Colours no. *j*=238

output of the elementary colour *e*:

rgb input (in):									
	0.25	1.0	0.5	0.25	1.0	0.94	0.415	1.0	0.945
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	255	128	64	255	240	106	255	241
L^*, C^*_{ab}, h_{ab}	85.7	77.4	145.1	88.7	39.8	179.7	89.4	32.7	161.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	50.1	50.1	3D−it:	13.5	13.5

3 Colours no. *j*=238

output of the device colour *d*:

rgb input (in):									
	0.25	1.0	0.5	0.35	1.0	0.25	0.0	1.0	0.5
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	255	128	89	255	64	0	255	128
L^*, C^*_{ab}, h_{ab}	85.7	77.4	145.1	87.3	87.6	152.9	89.5	81.6	148.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.3	15.3	3D−in:	7.0	7.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
239	0.25	1.0	0.625	180.0	87.0	49.2	189.6	−48.4	−8.1	89.1	36.9	189.6	−36.3	−6.1	0.0	0.75	g25b	l97c		0.0	1.0	0.967	0.25	1.0	0.975
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
239	0.25	1.0	0.625	180.0	84.4	116.1	164.6	−111.8	30.8	87.1	87.1	164.6	−83.8	23.1	0.0	0.75	g02b	l50c		0.0	1.0	0.043	0.25	1.0	0.283

3 Colours no. *j*=239

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.25	1.0	0.625	0.25	1.0	0.975	0.427	1.0	0.979
$rgb^*_{Fa,\ 8bit}$	64	255	159	64	255	249	109	255	250
L^*, C^*_{ab}, h_{ab}	85.9	68.7	150.7	89.1	36.9	189.6	89.6	36.0	181.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	46.4	46.4	3D−it:	5.2	5.2

3 Colours no. *j*=239

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.25	1.0	0.625	0.25	1.0	0.283	0.0	1.0	0.624
$olv^*_{Fa,\ 8bit}$	64	255	159	64	255	72	0	255	159
L^*, C^*_{ab}, h_{ab}	85.9	68.7	150.7	87.1	87.1	164.6	88.8	71.8	152.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	26.2	26.2	3D−in:	4.9	4.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
240	0.25	1.0	0.75	190.9	86.3	46.0	199.5	−43.3	−15.3	88.6	34.5	199.5	−32.4	−11.4	0.0	0.75	g33b	c01v		0.0	0.989	1.0	0.25	0.992	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
240	0.25	1.0	0.75	190.9	84.6	100.4	176.3	−100.16.6		87.3	75.3	176.3	−75.0	4.9	0.0	0.75	g13b	l68c		0.0	1.0	0.256	0.25	1.0	0.442

3 Colours no. *j*=240

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	1.0	0.75	0.25	0.992	1.0	0.443	0.995	1.0
$rgb^*_{Fa,\ 8bit}$	64	255	191	64	253	255	113	254	255
L^*, C^*_{ab}, h_{ab}	86.3	60.4	157.6	88.6	34.5	199.5	89.4	32.6	197.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	41.8	41.8	3D−it:	2.3	2.3	

3 Colours no. *j*=240

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	1.0	0.75	0.25	1.0	0.442	0.0	1.0	0.875
$olv^*_{Fa,\ 8bit}$	64	255	191	64	255	113	0	255	223
L^*, C^*_{ab}, h_{ab}	86.3	60.4	157.6	87.3	75.3	176.3	88.3	60.4	157.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.4	26.4	3D−in:	2.0	2.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
241	0.25	1.0	0.875	201.1	83.1	44.7	208.8	−39.1	−21.5	86.2	33.6	208.8	−29.3	−16.1	0.0	0.75	g42b	c04v		0.0	0.955	1.0	0.25	0.966	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
241	0.25	1.0	0.875	201.1	84.9	85.0	187.1	−84.2	−10.4	87.6	63.7	187.1	−63.1	−7.8	0.0	0.75	g22b	l85c		0.0	1.0	0.455	0.25	1.0	0.591

3 Colours no. *j*=241

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	1.0	0.875	0.25	0.966	1.0	0.416	0.97	1.0
$rgb^*_{Fa,\ 8bit}$	64	255	223	64	246	255	106	247	255
L^*, C^*_{ab}, h_{ab}	86.7	52.2	167.7	86.2	33.6	208.8	89.4	29.5	199.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	34.8	34.8	3D−it:	7.1	7.1

3 Colours no. *j*=241

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	1.0	0.875	0.25	1.0	0.591	0.0	1.0	0.975
$olv^*_{Fa,\ 8bit}$	64	255	223	64	255	151	0	255	249
L^*, C^*_{ab}, h_{ab}	86.7	52.2	167.7	87.6	63.7	187.1	88.4	52.2	167.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	22.6	22.6	3D−in:	1.6	1.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
242	0.25	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	84.1	32.7	217.0	−26.0	−19.6	0.0	0.75	g50b	c08v		0.0	0.925	1.0	0.25	0.944	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
242	0.25	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	87.8	54.6	196.7	−52.2	−15.6	0.0	0.75	g31b	c00v		0.0	1.0	0.63	0.25	1.0	0.722

3 Colours no. j=242

output of the elementary colour e:

rgb input (in):									
	0.25	1.0	1.0	0.25	0.944	1.0	0.41	0.946	1.0
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	64	255	255	64	241	255	104	241	255
L^*, C^*_{ab}, h_{ab}	88.0	41.6	197.2	84.1	32.7	217.0	90.3	26.8	198.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−it:	12.9	12.9	

3 Colours no. j=242

output of the device colour d:

rgb input (in):									
	0.25	1.0	1.0	0.25	1.0	0.722	0.0	1.0	1.0
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	64	255	255	64	255	184	0	255	255
L^*, C^*_{ab}, h_{ab}	88.0	41.6	197.2	87.8	54.6	196.7	88.3	46.4	196.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.0	13.0	3D−in:	4.8	4.8	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
243	0.375	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	30.8	30.5	25.5	27.5	13.1	0.625	0.375	b99r	m81o		1.0	0.0	0.189	0.375	0.0	0.071
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
243	0.375	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	31.9	32.3	38.2	25.4	20.0	0.625	0.375	r19j	m100o		1.0	0.19	0.0	0.375	0.071	0.0

3 Colours no. *j*=243

output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
rgb^*_{Fa}	0.375	0.0	0.0	0.375	0.0	0.071	0.418	0.08	0.08
$rgb^*_{Fa,\ 8bit}$	96	0	0	96	0	18	107	20	20
L^*, C^*_{ab}, h_{ab}	27.1	32.5	28.6	30.8	30.5	25.5	34.6	34.9	24.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.5	4.5	3D−it:	5.8	5.8

3 Colours no. *j*=243

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
olv^*_{Fa}	0.375	0.0	0.0	0.375	0.071	0.0	0.431	0.113	0.027
$olv^*_{Fa,\ 8bit}$	96	0	0	96	18	0	110	29	7
L^*, C^*_{ab}, h_{ab}	27.1	32.5	28.6	31.9	32.3	38.2	33.3	37.2	33.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.2	7.2	3D−in:	8.3	8.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
244	0.375	0.0	0.125	10.9	53.3	76.5	7.4	75.8	9.8	31.0	28.7	7.4	28.4	3.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
244	0.375	0.0	0.125	10.9	52.7	81.9	15.4	79.0	21.8	30.8	30.7	15.4	29.6	8.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.375	b83r	m61o		1.0	0.0	0.391	0.375	0.0	0.147
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.375	b90r	m68o		1.0	0.0	0.177	0.375	0.0	0.066

3 Colours no. *j*=244

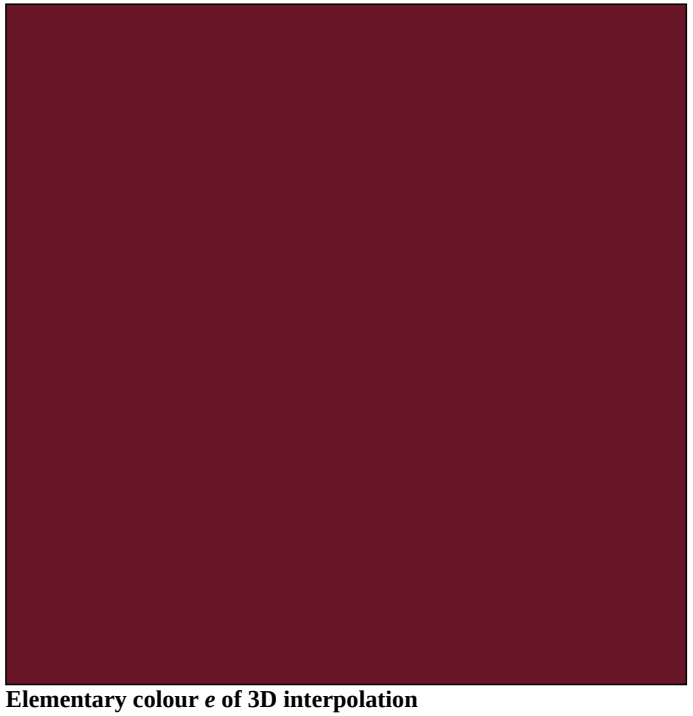
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	0.125	0.375	0.0	0.147	0.409	0.087	0.158
$rgb^*_{Fa,\ 8bit}$	96	0	32	96	0	37	104	22	40
L^*, C^*_{ab}, h_{ab}	27.5	31.0	6.5	31.0	28.7	7.4	34.5	31.0	7.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.2	4.2	

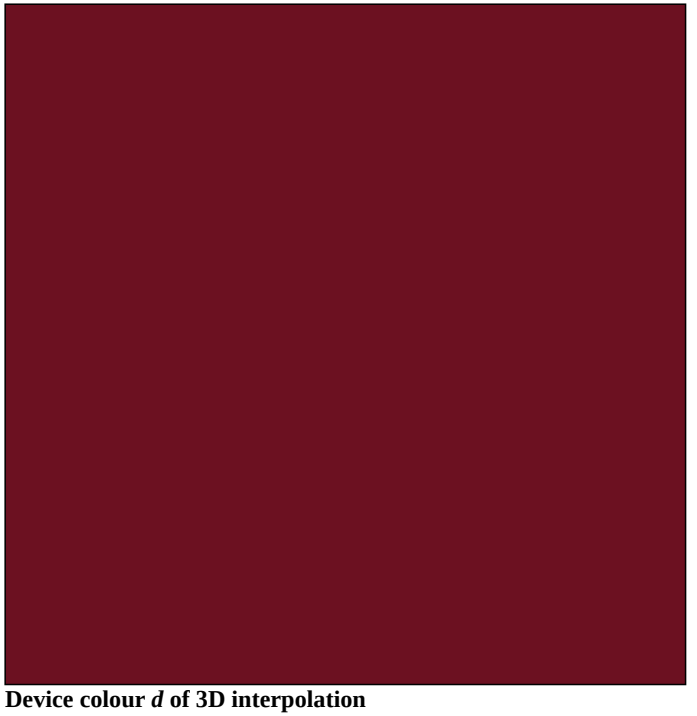
3 Colours no. *j*=244

output of the device colour *d*:

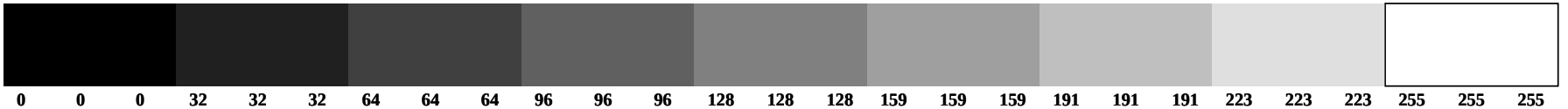
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	0.125	0.375	0.0	0.066	0.423	0.067	0.128
$olv^*_{Fa,\ 8bit}$	96	0	32	96	0	17	108	17	33
L^*, C^*_{ab}, h_{ab}	27.5	31.0	6.5	30.8	30.7	15.4	34.0	33.4	22.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.8	5.8	3D−in:	11.4	11.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
245	0.375	0.0	0.25	349.1	54.7	83.3	346.7	81.1	−19.0	31.5	31.3	346.7	30.4	−7.1	0.625	0.375	b66r	m30o		1.0	0.0	0.696	0.375	0.0	0.261
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
245	0.375	0.0	0.25	349.1	54.4	81.0	349.4	79.7	−14.8	31.4	30.4	349.4	29.9	−5.5	0.625	0.375	b68r	m32o		1.0	0.0	0.634	0.375	0.0	0.238

3 Colours no. *j*=245

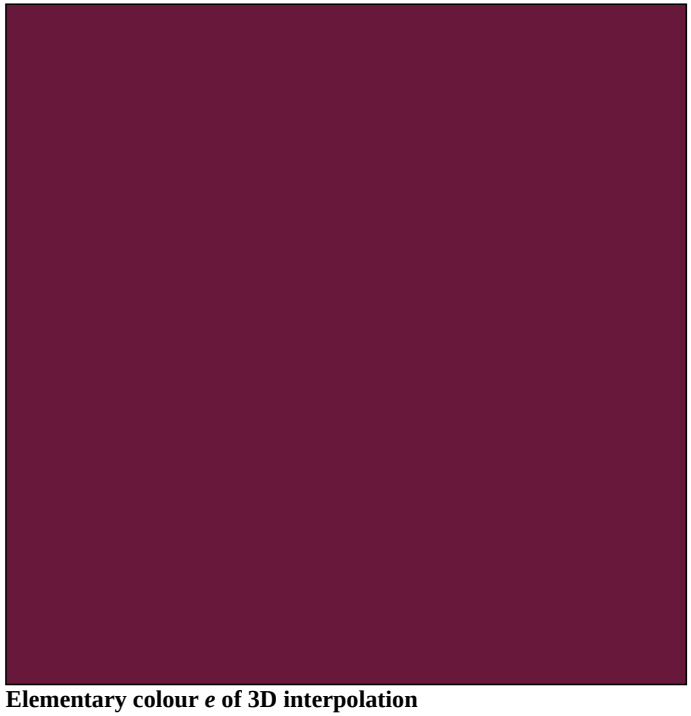
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	0.25	0.375	0.0	0.261	0.404	0.094	0.231
$rgb^*_{Fa,\ 8bit}$	96	0	64	96	0	67	103	24	59
L^*, C^*_{ab}, h_{ab}	28.4	39.0	336.8	31.5	31.3	346.7	31.6	33.8	353.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−it:	4.4	4.4	

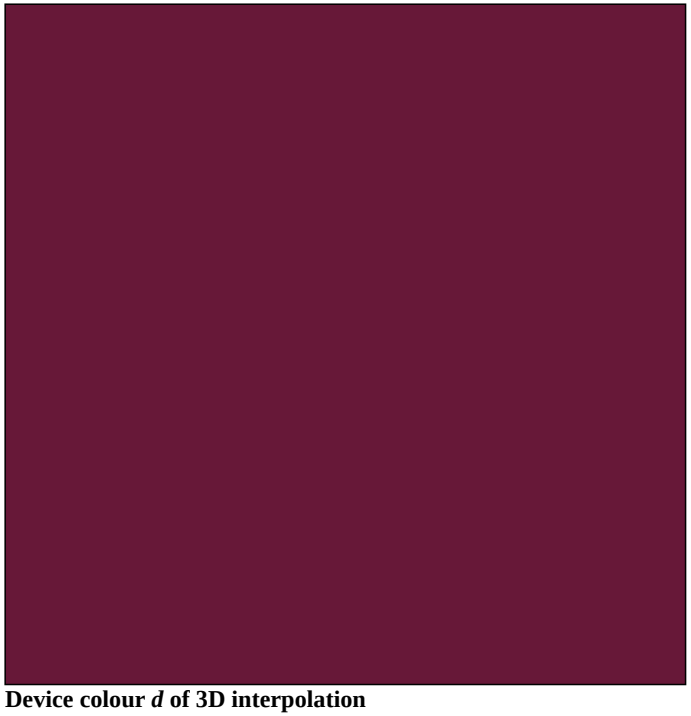
3 Colours no. *j*=245

output of the device colour *d*:

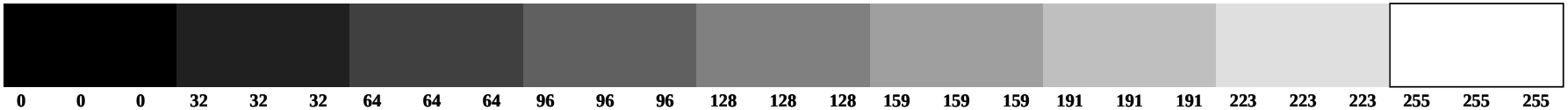
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	0.25	0.375	0.0	0.238	0.404	0.095	0.22
$olv^*_{Fa,\ 8bit}$	96	0	64	96	0	61	103	24	56
L^*, C^*_{ab}, h_{ab}	28.4	39.0	336.8	31.4	30.4	349.4	31.6	32.5	358.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−in:	15.3	15.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
246	0.375	0.0	0.375	330.0	57.9	105.3	328.6	89.9	−54.7	32.7	39.5	328.6	33.7	−20.5	0.625	0.375	b50r	m02o		1.0	0.0	0.976	0.375	0.0	0.366
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
246	0.375	0.0	0.375	330.0	56.9	108.7	326.6	90.7	−59.7	32.4	40.7	326.6	34.0	−22.3	0.625	0.375	b47r	m00o		0.965	0.0	1.0	0.362	0.0	0.375

3 Colours no. *j*=246

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.0	0.375	0.375	0.0	0.366	0.402	0.114	0.35
$rgb^*_{Fa,\ 8bit}$	96	0	96	96	0	93	103	29	89
L^*, C^*_{ab}, h_{ab}	29.4	50.3	324.6	32.7	39.5	328.6	33.0	38.9	334.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	11.8	11.8	**3D−it:**	3.9	3.9	

3 Colours no. *j*=246

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.0	0.375	0.362	0.0	0.375	0.393	0.106	0.361
$olv^*_{Fa,\ 8bit}$	96	0	96	92	0	96	100	27	92
L^*, C^*_{ab}, h_{ab}	29.4	50.3	324.6	32.4	40.7	326.6	32.5	41.2	330.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	10.1	10.1	**3D−in:**	10.5	10.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
247	0.375	0.0	0.5	316.1	47.5	111.4	315.4	79.4	−78.0	32.6	55.7	315.4	39.7	−39.0	0.5	0.5	b38r	v70m		0.696	0.0	1.0	0.348	0.0	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
247	0.375	0.0	0.5	316.1	52.9	109.2	321.4	85.4	−68.0	35.3	54.6	321.4	42.7	−34.0	0.5	0.5	b43r	v77m		0.873	0.0	1.0	0.437	0.0	0.5

3 Colours no. *j*=247

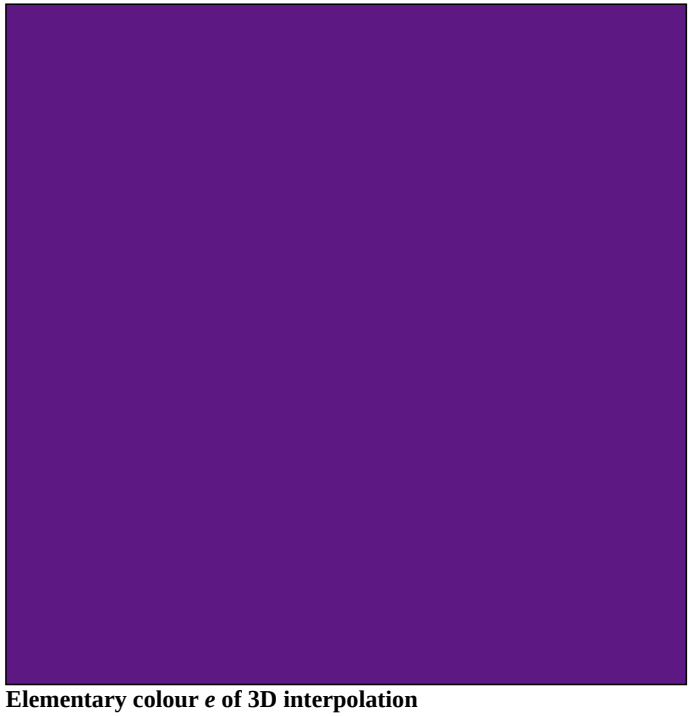
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	0.5	0.348	0.0	0.5	0.363	0.096	0.514
$rgb^*_{Fa,\ 8bit}$	96	0	128	89	0	128	93	24	131
L^*, C^*_{ab}, h_{ab}	30.5	61.8	318.3	32.6	55.7	315.4	33.5	55.2	318.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−it:	3.4	3.4	

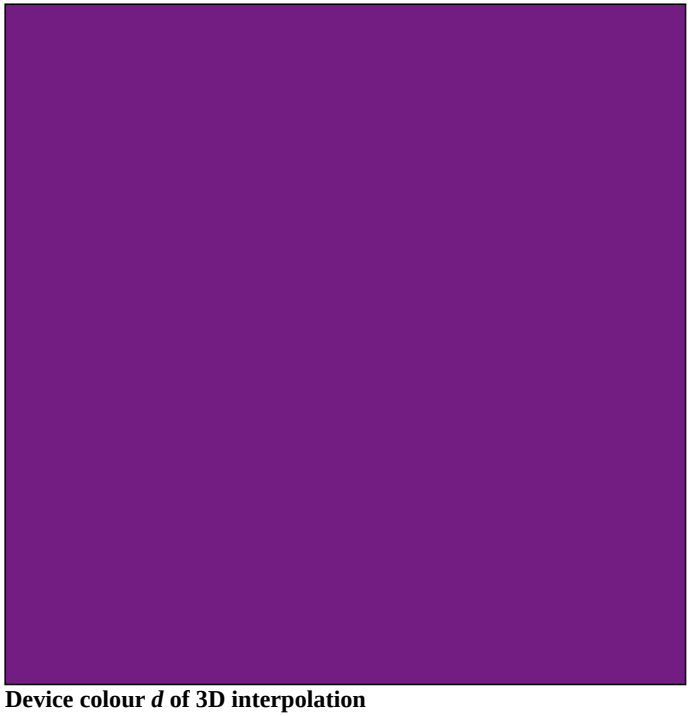
3 Colours no. *j*=247

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	0.5	0.437	0.0	0.5	0.45	0.114	0.508
$olv^*_{Fa,\ 8bit}$	96	0	128	111	0	128	115	29	130
L^*, C^*_{ab}, h_{ab}	30.5	61.8	318.3	35.3	54.6	321.4	36.9	54.0	325.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−in:	12.4	12.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
248	0.375	0.0	0.625	306.6	37.6	118.4	306.4	70.3	−95.1	30.1	74.0	306.4	43.9	−59.4	0.375	0.625	b30r	v26m		0.258	0.0	1.0	0.161	0.0	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
248	0.375	0.0	0.625	306.6	50.9	109.9	317.8	81.4	−73.7	38.5	68.7	317.8	50.9	−46.0	0.375	0.625	b40r	v61m		0.81	0.0	1.0	0.506	0.0	0.625

3 Colours no. *j*=248

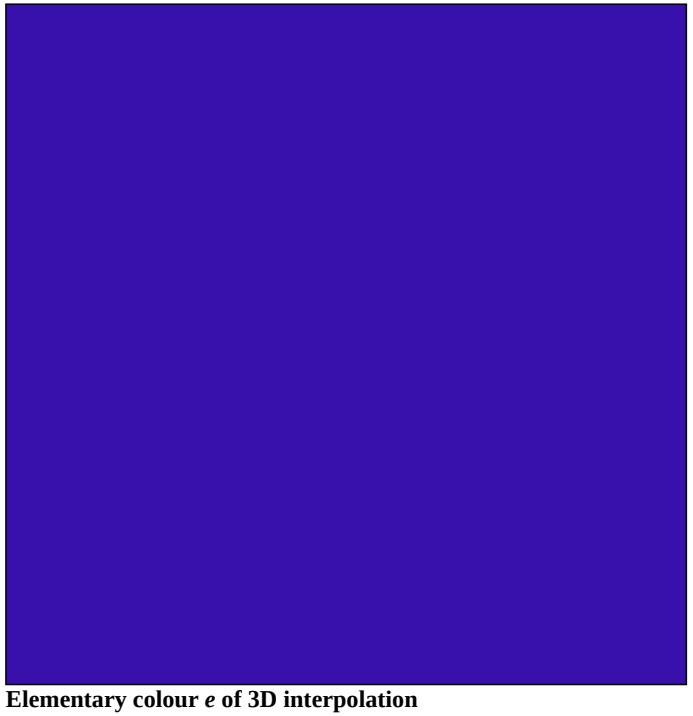
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	0.625	0.161	0.0	0.625	0.218	0.063	0.673
$rgb^*_{Fa,\ 8bit}$	96	0	159	41	0	159	56	16	172
L^*, C^*_{ab}, h_{ab}	31.7	72.5	314.8	30.1	74.0	306.4	33.1	72.5	307.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−it:	3.7	3.7	

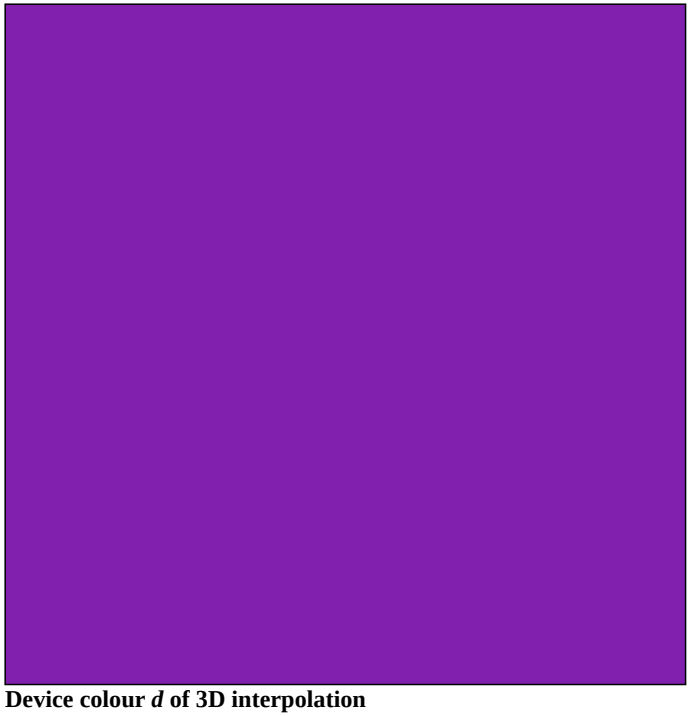
3 Colours no. *j*=248

output of the device colour *d*:

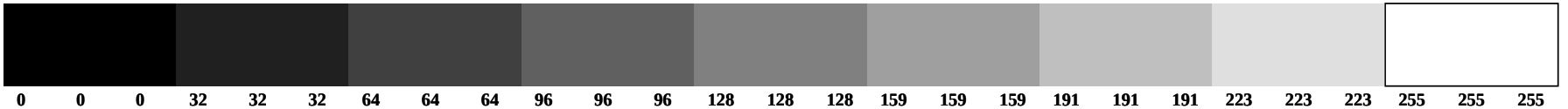
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	0.625	0.506	0.0	0.625	0.504	0.125	0.682
$olv^*_{Fa,\ 8bit}$	96	0	159	129	0	159	129	32	174
L^*, C^*_{ab}, h_{ab}	31.7	72.5	314.8	38.5	68.7	317.8	39.1	67.3	322.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−in:	12.6	12.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
249	0.375	0.0	0.75	300.0	39.4	107.0	300.2	53.8	−92.4	34.0	80.3	300.2	40.4	−69.3	0.25	0.75	b25r	c83v		0.0	0.173	1.0	0.0	0.13	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
249	0.375	0.0	0.75	300.0	49.6	110.4	315.3	78.5	−77.5	41.6	82.8	315.3	58.9	−58.1	0.25	0.75	b38r	v50m		0.767	0.0	1.0	0.575	0.0	0.75

3 Colours no. *j*=249

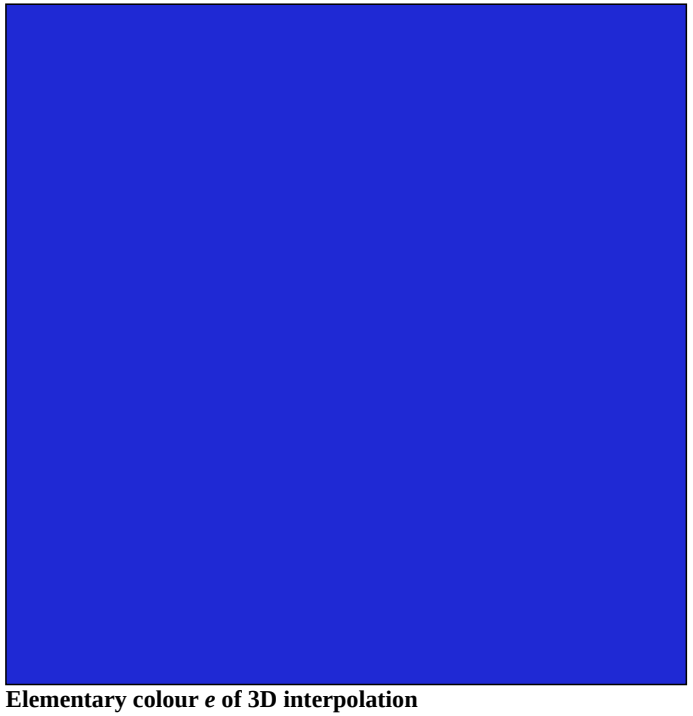
output of the elementary colour *e*:

***rgb* input (in):**				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.0	0.75	0.0	0.13	0.75	0.12	0.16	0.83
$rgb^*_{Fa,\ 8bit}$	96	0	191	0	33	191	31	41	212
L^*, C^*_{ab}, h_{ab}	33.1	83.5	312.5	34.0	80.3	300.2	37.1	77.1	301.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.9	17.9	3D−it:	5.0	5.0

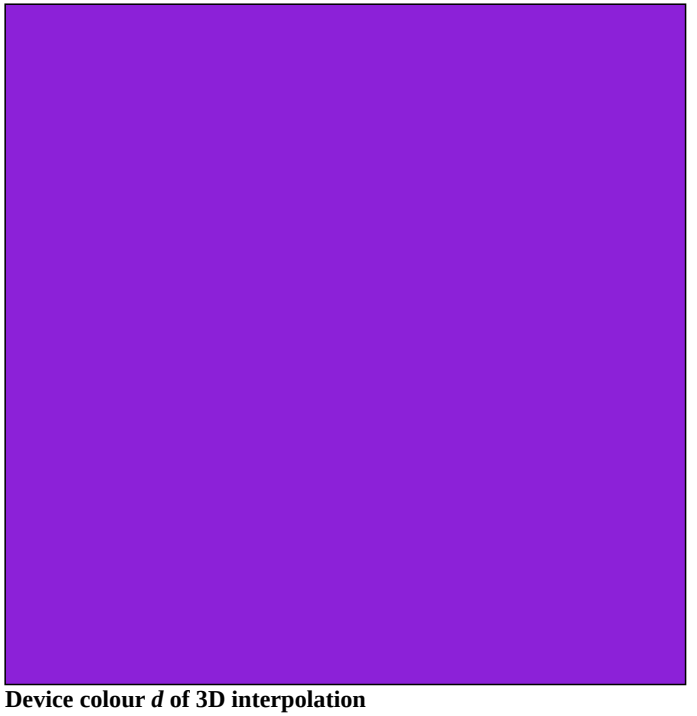
3 Colours no. *j*=249

output of the device colour *d*:

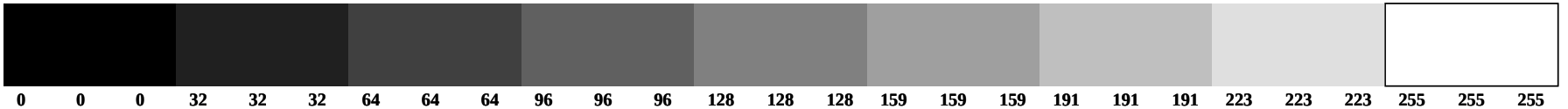
***rgb* input (in):**				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.0	0.75	0.575	0.0	0.75	0.549	0.129	0.848
$olv^*_{Fa,\ 8bit}$	96	0	191	147	0	191	140	33	216
L^*, C^*_{ab}, h_{ab}	33.1	83.5	312.5	41.6	82.8	315.3	43.7	85.4	317.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.4	9.4	3D−in:	13.2	13.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
250	0.375	0.0	0.875	295.3	44.1	93.9	295.7	40.7	−84.5	40.8	82.1	295.7	35.6	−73.9	0.125	0.875	b21r	c72v		0.0	0.275	1.0	0.0	0.241	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
250	0.375	0.0	0.875	295.3	48.6	110.8	313.6	76.3	−80.1	44.8	96.9	313.6	66.8	−70.1	0.125	0.875	b36r	v42m		0.736	0.0	1.0	0.644	0.0	0.875

3 Colours no. j=250

output of the elementary colour e:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	0.875	0.0	0.241	0.875	0.062	0.251	0.926
$rgb^*_{Fa,\ 8bit}$	96	0	223	0	61	223	16	64	236
L^*, C^*_{ab}, h_{ab}	35.0	95.0	310.7	40.8	82.1	295.7	50.6	82.6	297.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	27.0	27.0	3D−it:	10.1	10.1	

3 Colours no. j=250

output of the device colour d:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	0.875	0.644	0.0	0.875	0.588	0.126	0.941
$olv^*_{Fa,\ 8bit}$	96	0	223	164	0	223	150	32	240
L^*, C^*_{ab}, h_{ab}	35.0	95.0	310.7	44.8	96.9	313.6	51.4	100.6	316.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−in:	20.3	20.3	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
251	0.375	0.0	1.0	291.8	47.0	86.1	292.4	32.8	−79.5	47.0	86.1	292.4	32.8	−79.5	0.0	1.0	b18r	c66v		0.0	0.337	1.0	0.0	0.337	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
251	0.375	0.0	1.0	291.8	48.0	111.1	312.3	74.7	−82.1	48.0	111.1	312.3	74.7	−82.1	0.0	1.0	b35r	v36m		0.713	0.0	1.0	0.713	0.0	1.0

3 Colours no. *j*=251

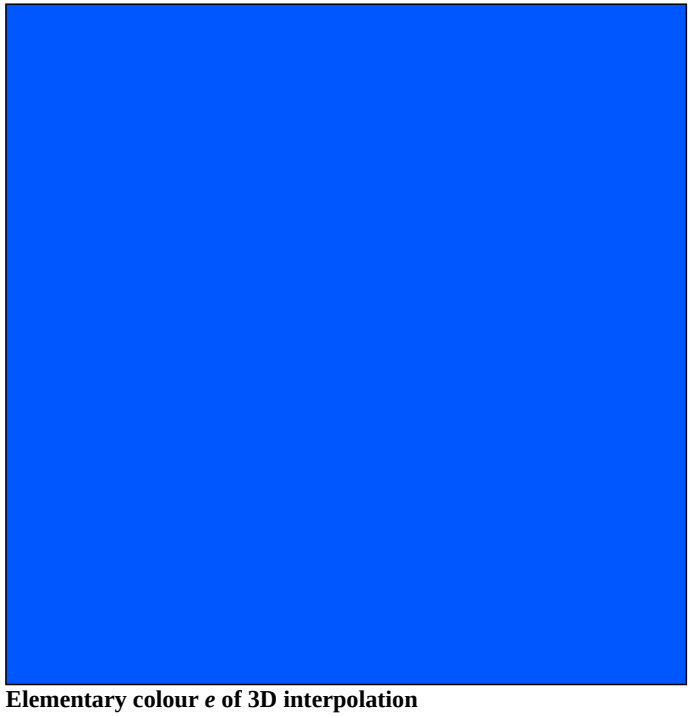
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	1.0	0.0	0.337	1.0	0.0	0.34	1.0
$rgb^*_{Fa,\ 8bit}$	96	0	255	0	86	255	0	87	255
L^*, C^*_{ab}, h_{ab}	39.7	116.5	308.2	47.0	86.1	292.4	49.3	83.6	295.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	41.6	41.6	3D−it:	5.4	5.4	

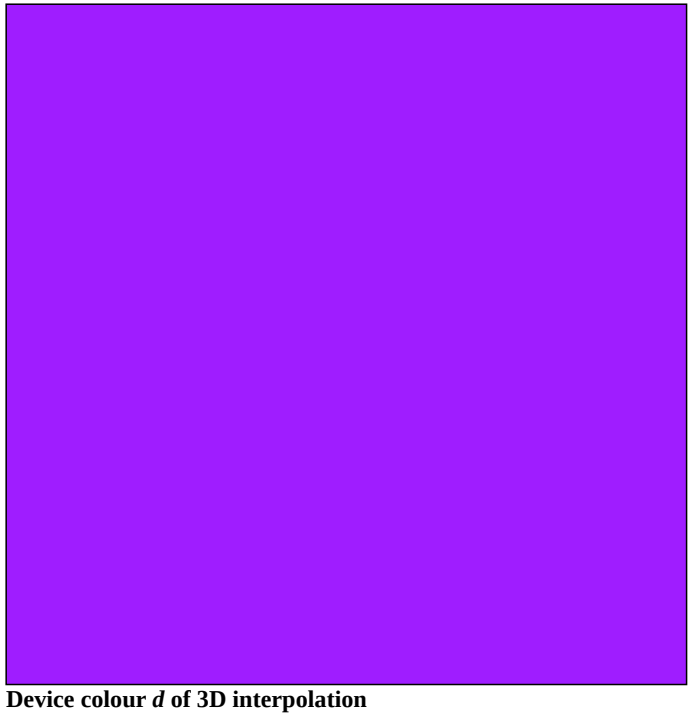
3 Colours no. *j*=251

output of the device colour *d*:

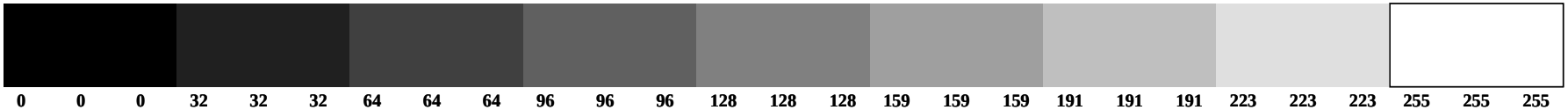
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	1.0	0.713	0.0	1.0	0.624	0.113	1.0
$olv^*_{Fa,\ 8bit}$	96	0	255	182	0	255	159	29	255
L^*, C^*_{ab}, h_{ab}	39.7	116.5	308.2	48.0	111.1	312.3	48.7	110.3	314.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.7	12.7	3D−in:	16.3	16.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
252	0.375	0.125	0.0	49.1	57.2	84.2	46.7	57.7	61.3	32.5	31.6	46.7	21.6	23.0	0.625	0.375	r32j	o25y		1.0	0.246	0.0	0.375	0.092	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
252	0.375	0.125	0.0	49.1	65.7	78.9	58.4	41.3	67.2	35.7	29.6	58.4	15.5	25.2	0.625	0.375	r49j	o32y		1.0	0.493	0.0	0.375	0.185	0.0

3 Colours no. *j*=252

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	0.0	0.375	0.092	0.0	0.419	0.137	0.003
$rgb^*_{Fa,\ 8bit}$	96	32	0	96	23	0	107	35	1
L^*, C^*_{ab}, h_{ab}	30.5	28.4	45.9	32.5	31.6	46.7	34.4	34.7	47.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	3.7	3.7	

3 Colours no. *j*=252

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	0.0	0.375	0.185	0.0	0.426	0.192	0.027
$olv^*_{Fa,\ 8bit}$	96	32	0	96	47	0	109	49	7
L^*, C^*_{ab}, h_{ab}	30.5	28.4	45.9	35.7	29.6	58.4	40.9	31.2	59.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.2	8.2	3D−in:	12.8	12.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
253	0.375	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	36.1	20.3	25.5	18.3	8.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
253	0.375	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	36.9	21.6	38.2	16.9	13.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.625	0.25	b99r	m81o		1.0	0.0	0.189	0.375	0.125	0.172
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.625	0.25	r19j	m100o		1.0	0.19	0.0	0.375	0.173	0.125

3 Colours no. *j*=253

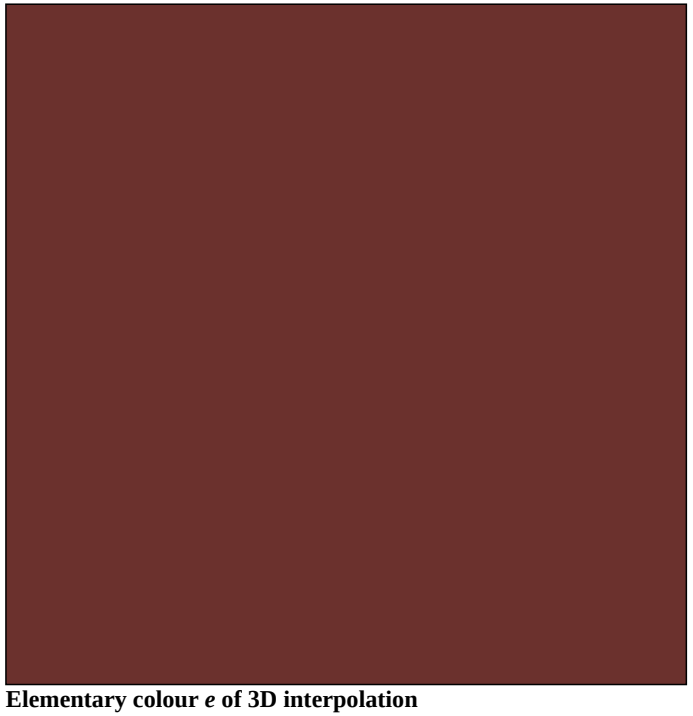
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.125	0.125	0.375	0.125	0.172	0.421	0.194	0.175
$rgb^*_{Fa,\ 8bit}$	96	32	32	96	32	44	107	49	45
L^*, C^*_{ab}, h_{ab}	30.8	23.6	21.1	36.1	20.3	25.5	41.4	23.4	31.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.4	6.4	3D−it:	6.5	6.5

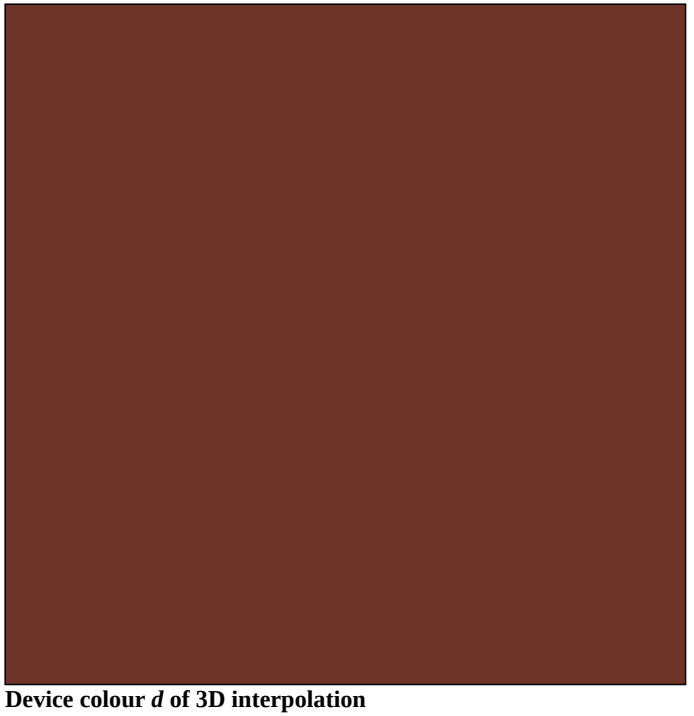
3 Colours no. *j*=253

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.125	0.125	0.375	0.173	0.125	0.432	0.205	0.153
$olv^*_{Fa,\ 8bit}$	96	32	32	96	44	32	110	52	39
L^*, C^*_{ab}, h_{ab}	30.8	23.6	21.1	36.9	21.6	38.2	41.4	29.3	47.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.2	9.2	3D−in:	16.9	16.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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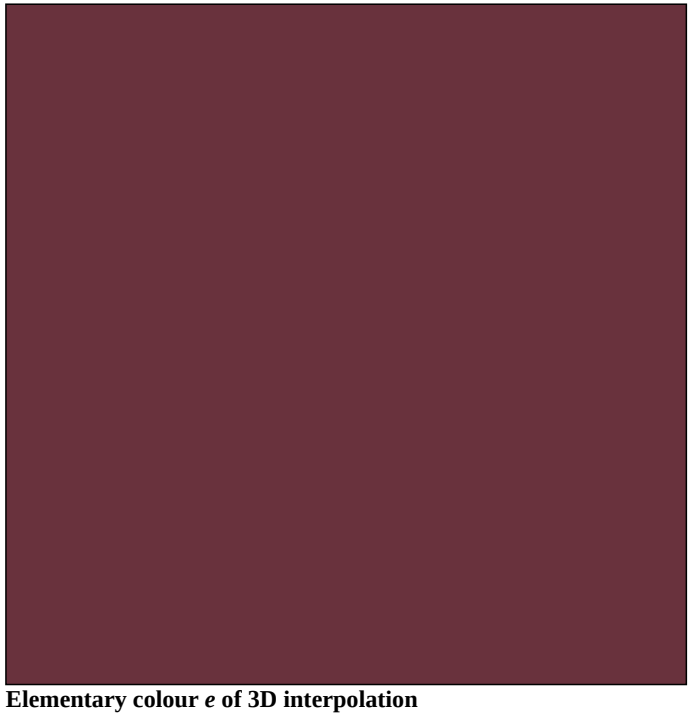
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
254	0.375	0.125	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	36.4	19.5	357.0	19.5	−0.9	0.625	0.25	b75r	m47o		1.0	0.0	0.529	0.375	0.125	0.257
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
254	0.375	0.125	0.25	0.0	53.4	76.6	2.4	76.5	3.2	36.3	19.1	2.4	19.1	0.8	0.625	0.25	b79r	m50o		1.0	0.0	0.406	0.375	0.125	0.226

3 Colours no. *j*=254

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.125	0.25	0.375	0.125	0.257	0.412	0.198	0.24
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	32	64	96	32	66	105	50	61
L^*, C^*_{ab}, h_{ab}	31.6	29.2	339.3	36.4	19.5	357.0	41.4	20.5	14.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−it:	7.9	7.9	

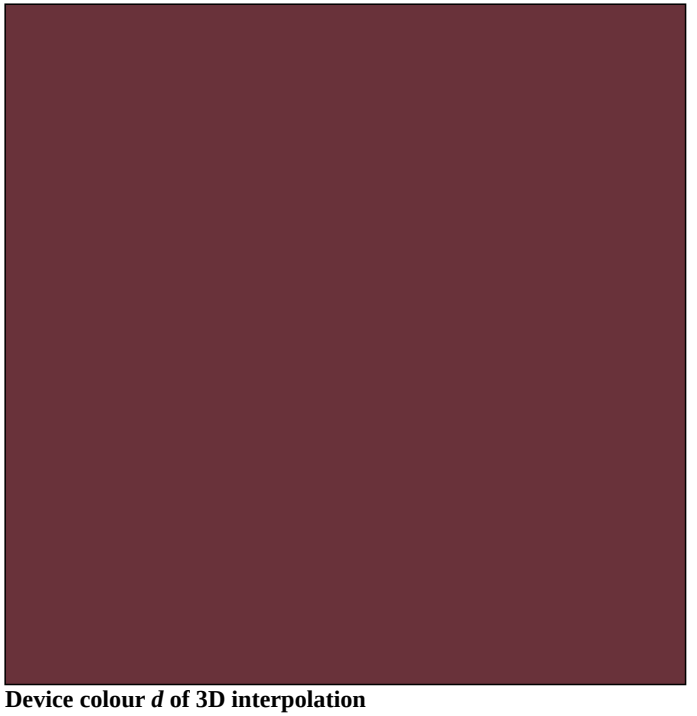


Elementary colour *e* of 3D interpolation

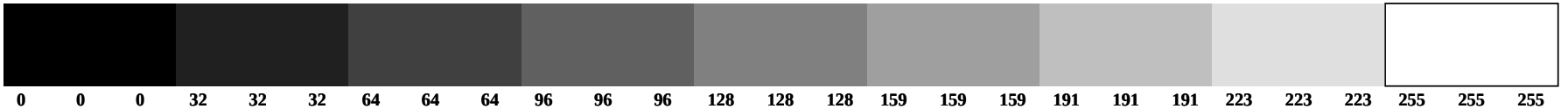
3 Colours no. *j*=254

output of the device colour *d*:

rgb input (in):									
	0.375	0.125	0.25	0.375	0.125	0.226	0.411	0.197	0.227
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	32	64	96	32	58	105	50	58
L^*, C^*_{ab}, h_{ab}	31.6	29.2	339.3	36.3	19.1	2.4	41.4	20.5	14.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.6	14.6	3D−in:	19.7	19.7	



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
255	0.375	0.125	0.375	330.0	57.9	105.3	328.6	89.9	−54.7	37.4	26.3	328.6	22.5	−13.6	0.625	0.25	b50r	m02o		1.0	0.0	0.976	0.375	0.125	0.369
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
255	0.375	0.125	0.375	330.0	56.9	108.7	326.6	90.8	−59.7	37.2	27.2	326.6	22.7	−14.8	0.625	0.25	b47r	m00o		0.965	0.0	1.0	0.366	0.125	0.375

3 Colours no. *j*=255

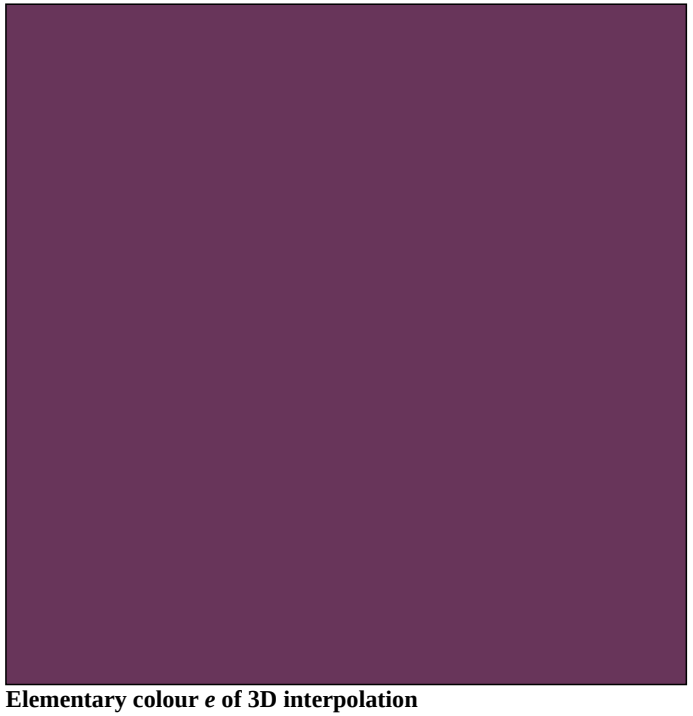
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	0.375	0.375	0.125	0.369	0.406	0.207	0.354
$rgb^*_{Fa,\ 8bit}$	96	32	96	96	32	94	104	53	90
L^*, C^*_{ab}, h_{ab}	32.5	40.4	323.2	37.4	26.3	328.6	42.0	25.8	339.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−it:	6.8	6.8	

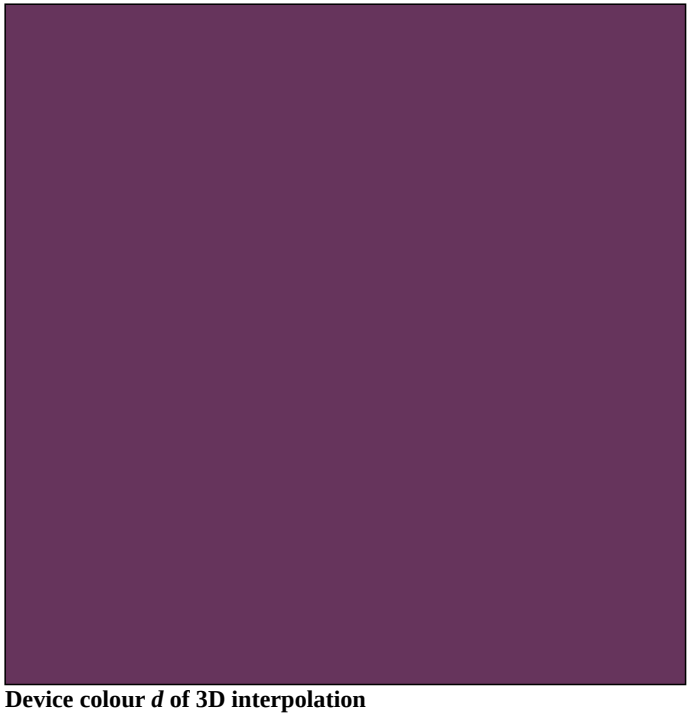
3 Colours no. *j*=255

output of the device colour *d*:

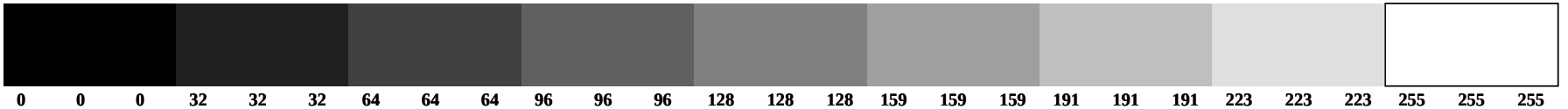
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	0.375	0.366	0.125	0.375	0.401	0.204	0.361
$olv^*_{Fa,\ 8bit}$	96	32	96	93	32	96	102	52	92
L^*, C^*_{ab}, h_{ab}	32.5	40.4	323.2	37.2	27.2	326.6	42.7	30.1	343.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.2	14.2	3D−in:	19.2	19.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
256	0.375	0.125	0.5	310.9	42.3	114.4	310.5	74.3	−86.8	36.6	42.9	310.5	27.9	−32.5	0.5	0.375	b33r	v49m		0.493	0.0	1.0	0.31	0.125	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
256	0.375	0.125	0.5	310.9	51.8	109.6	319.4	83.3	−71.2	40.2	41.1	319.4	31.2	−26.6	0.5	0.375	b41r	v68m		0.839	0.0	1.0	0.44	0.125	0.5

3 Colours no. *j*=256

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	0.5	0.31	0.125	0.5	0.352	0.194	0.514
$rgb^*_{Fa,\ 8bit}$	96	32	128	79	32	128	90	50	131
L^*, C^*_{ab}, h_{ab}	33.5	52.5	316.1	36.6	42.9	310.5	40.8	40.6	315.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.1	11.1	3D−it:	6.2	6.2	

3 Colours no. *j*=256

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	0.5	0.44	0.125	0.5	0.461	0.216	0.514
$olv^*_{Fa,\ 8bit}$	96	32	128	112	32	128	117	55	131
L^*, C^*_{ab}, h_{ab}	33.5	52.5	316.1	40.2	41.1	319.4	43.5	39.5	327.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−in:	18.9	18.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
257	0.375	0.125	0.625	300.0	39.4	107.0	300.2	53.8	−92.4	38.2	53.5	300.2	26.9	−46.2	0.375	0.5	b25r	c83v		0.0	0.173	1.0	0.125	0.212	0.625
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
257	0.375	0.125	0.625	300.0	49.6	110.4	315.3	78.5	−77.5	43.3	55.2	315.3	39.3	−38.7	0.375	0.5	b38r	v50m		0.767	0.0	1.0	0.508	0.125	0.625

3 Colours no. *j*=257

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	0.625	0.125	0.212	0.625	0.27	0.229	0.675
$rgb^*_{Fa,\ 8bit}$	96	32	159	32	54	159	69	58	172
L^*, C^*_{ab}, h_{ab}	34.6	63.9	312.6	38.2	53.5	300.2	39.7	49.6	303.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.8	16.8	3D−it:	4.9	4.9	

3 Colours no. *j*=257

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	0.625	0.508	0.125	0.625	0.515	0.23	0.687
$olv^*_{Fa,\ 8bit}$	96	32	159	130	32	159	131	59	175
L^*, C^*_{ab}, h_{ab}	34.6	63.9	312.6	43.3	55.2	315.3	44.4	52.8	319.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.7	12.7	3D−in:	16.3	16.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
258	0.375	0.125	0.75	293.4	45.7	89.7	293.9	36.4	−81.9	44.9	56.1	293.9	22.8	−51.2	0.25	0.625	b19r	c69v		0.0	0.309	1.0	0.125	0.318	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
258	0.375	0.125	0.75	293.4	48.3	111.0	312.9	75.5	−81.2	46.5	69.3	312.9	47.2	−50.7	0.25	0.625	b35r	v39m		0.723	0.0	1.0	0.577	0.125	0.75

3 Colours no. *j*=258

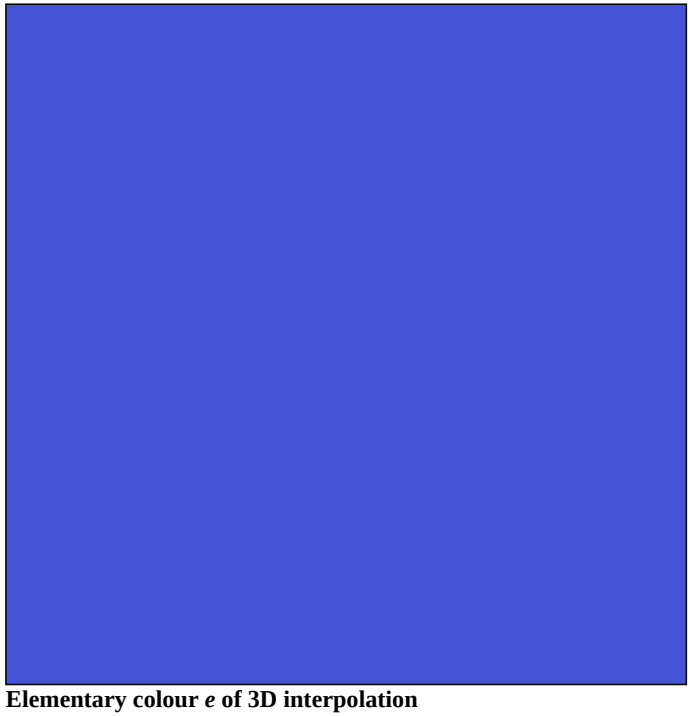
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	0.75	0.125	0.318	0.75	0.271	0.328	0.83
$rgb^*_{Fa,\ 8bit}$	96	32	191	32	81	191	69	84	212
L^*, C^*_{ab}, h_{ab}	36.9	77.4	310.4	44.9	56.1	293.9	49.1	54.5	296.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.6	29.6	3D−it:	5.0	5.0	

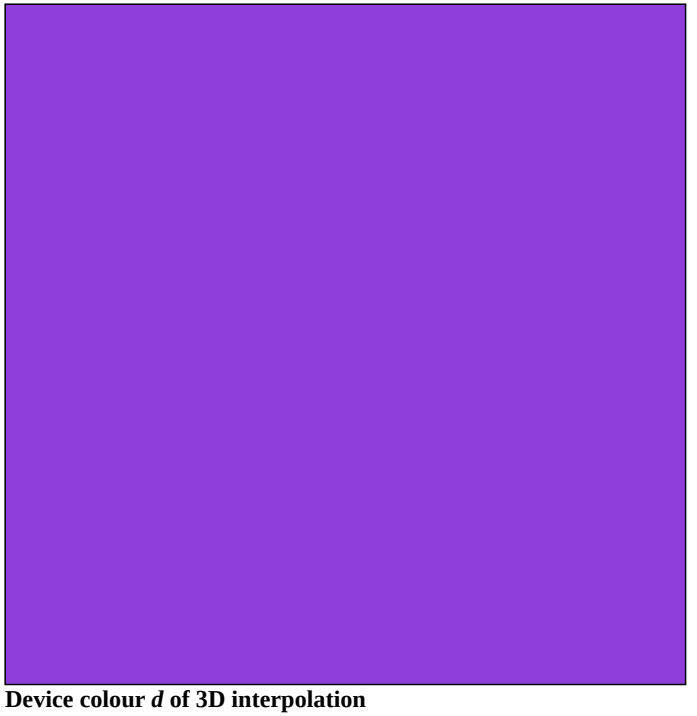
3 Colours no. *j*=258

output of the device colour *d*:

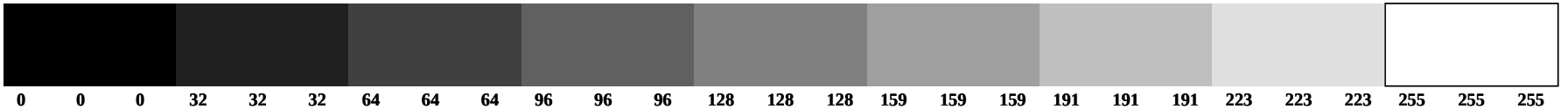
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	0.75	0.577	0.125	0.75	0.563	0.242	0.854
$olv^*_{Fa,\ 8bit}$	96	32	191	147	32	191	144	62	218
L^*, C^*_{ab}, h_{ab}	36.9	77.4	310.4	46.5	69.3	312.9	48.4	70.6	315.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−in:	14.6	14.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
259	0.375	0.125	0.875	289.1	49.2	80.6	289.9	27.4	−75.7	51.0	60.5	289.9	20.5	−56.8	0.125	0.75	b16r	c62v		0.0	0.383	1.0	0.125	0.412	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
259	0.375	0.125	0.875	289.1	47.5	111.4	311.3	73.5	−83.7	49.7	83.6	311.3	55.1	−62.7	0.125	0.75	b34r	v32m		0.695	0.0	1.0	0.646	0.125	0.875

3 Colours no. *j*=259

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	0.875	0.125	0.412	0.875	0.267	0.415	0.923
$rgb^*_{Fa,\ 8bit}$	96	32	223	32	105	223	68	106	235
L^*, C^*_{ab}, h_{ab}	37.6	87.1	308.8	51.0	60.5	289.9	54.6	56.5	293.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	38.2	38.2	3D−it:	6.5	6.5	

3 Colours no. *j*=259

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	0.875	0.646	0.125	0.875	0.608	0.25	0.945
$olv^*_{Fa,\ 8bit}$	96	32	223	165	32	223	155	64	241
L^*, C^*_{ab}, h_{ab}	37.6	87.1	308.8	49.7	83.6	311.3	58.7	82.4	313.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.2	13.2	3D−in:	22.9	22.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
260	0.375	0.125	1.0	286.1	51.3	76.0	287.0	22.2	−72.6	56.8	66.5	287.0	19.5	−63.5	0.0	0.875	b13r	c58v		0.0	0.424	1.0	0.125	0.496	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
260	0.375	0.125	1.0	286.1	46.9	111.7	310.1	72.0	−85.3	53.0	97.8	310.1	63.0	−74.7	0.0	0.875	b33r	v27m		0.675	0.0	1.0	0.716	0.125	1.0

3 Colours no. *j*=260

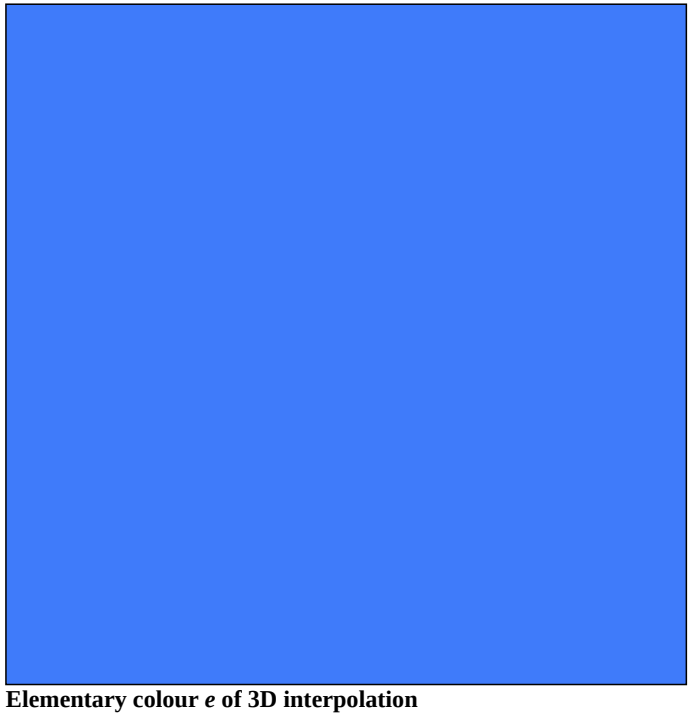
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	1.0	0.125	0.496	1.0	0.247	0.482	0.981
$rgb^*_{Fa,\ 8bit}$	96	32	255	32	127	255	63	123	250
L^*, C^*_{ab}, h_{ab}	41.8	109.9	306.8	56.8	66.5	287.0	58.9	64.3	287.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	54.5	54.5	3D−it:	3.2	3.2	

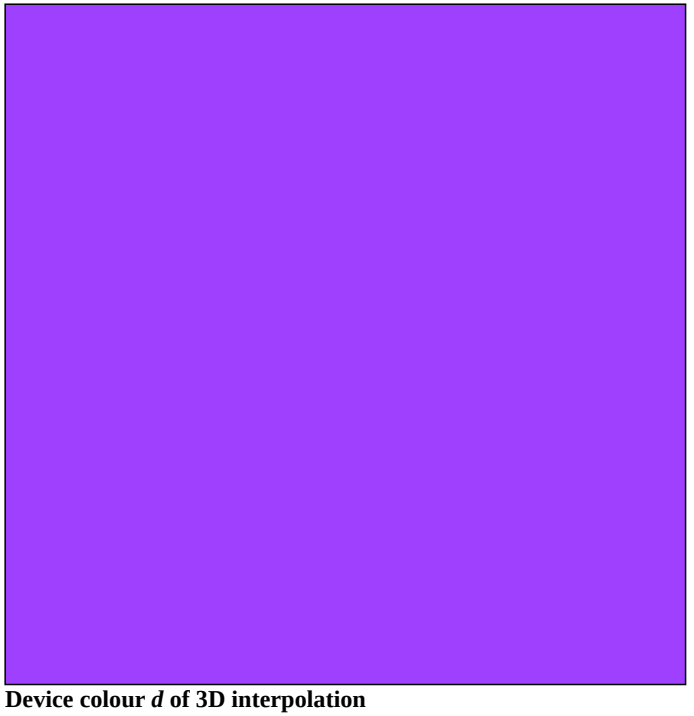
3 Colours no. *j*=260

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	1.0	0.716	0.125	1.0	0.625	0.25	1.0
$olv^*_{Fa,\ 8bit}$	96	32	255	182	32	255	159	64	255
L^*, C^*_{ab}, h_{ab}	41.8	109.9	306.8	53.0	97.8	310.1	54.6	97.4	312.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.5	17.5	3D−in:	20.6	20.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
261	0.375	0.25	0.0	70.9	69.9	79.1	71.0	25.7	74.8	37.2	29.7	71.0	9.6	28.0	0.625	0.375	r67j	o60y		1.0	0.603	0.0	0.375	0.226	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
261	0.375	0.25	0.0	70.9	81.0	86.9	81.5	12.8	86.0	41.4	32.6	81.5	4.8	32.2	0.625	0.375	r83j	o68y		1.0	0.839	0.0	0.375	0.315	0.0

3 Colours no. *j*=261

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.25	0.0	0.375	0.226	0.0	0.413	0.227	0.019
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	96	64	0	96	58	0	105	58	5
L^*, C^*_{ab}, h_{ab}	37.7	30.4	84.4	37.2	29.7	71.0	40.9	36.2	63.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−it:	8.5	8.5	

3 Colours no. *j*=261

output of the device colour *d*:

rgb input (in):									
	0.375	0.25	0.0	0.375	0.315	0.0	0.443	0.291	0.036
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	96	64	0	96	80	0	113	74	9
L^*, C^*_{ab}, h_{ab}	37.7	30.4	84.4	41.4	32.6	81.5	45.2	34.9	79.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.6	4.6	3D−in:	9.3	9.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
262	0.375	0.25	0.125	60.0	63.5	79.7	58.9	41.2	68.2	38.8	19.9	58.9	10.3	17.1	0.625	0.25	r49j	o43y		1.0	0.434	0.0	0.375	0.233	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
262	0.375	0.25	0.125	60.0	72.5	80.1	70.0	27.4	75.3	41.1	20.0	70.0	6.9	18.8	0.625	0.25	r66j	o50y		1.0	0.666	0.0	0.375	0.291	0.125

3 Colours no. *j*=262

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.125	0.375	0.233	0.125	0.421	0.247	0.147
$rgb^*_{Fa,\ 8bit}$	96	64	32	96	60	32	107	63	38
L^*, C^*_{ab}, h_{ab}	37.9	19.6	74.9	38.8	19.9	58.9	39.7	24.5	50.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−it:	5.6	5.6	

3 Colours no. *j*=262

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.125	0.375	0.291	0.125	0.428	0.285	0.157
$olv^*_{Fa,\ 8bit}$	96	64	32	96	74	32	109	73	40
L^*, C^*_{ab}, h_{ab}	37.9	19.6	74.9	41.1	20.0	70.0	44.3	20.8	65.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	7.2	7.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
263	0.375	0.25	0.25	30.0	52.7	81.3	25.5	73.4	34.9	41.5	10.2	25.5	9.2	4.4	0.625	0.125	b99r	m81o		1.0	0.0	0.189	0.375	0.25	0.274
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
263	0.375	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	41.8	10.8	38.2	8.5	6.7	0.625	0.125	r19j	m100o		1.0	0.19	0.0	0.375	0.274	0.25

3 Colours no. *j*=263

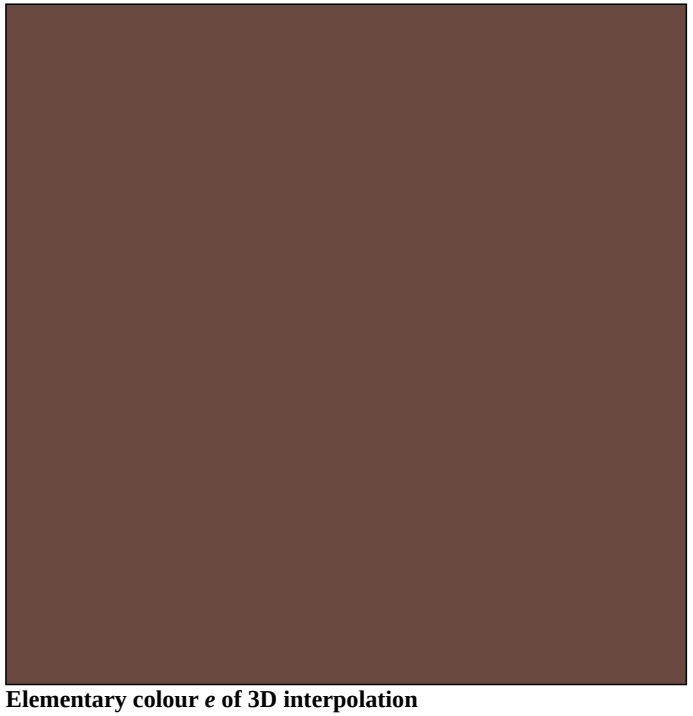
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.25	0.25	0.375	0.25	0.274	0.416	0.288	0.256
$rgb^*_{Fa,\ 8bit}$	96	64	64	96	64	70	106	74	65
L^*, C^*_{ab}, h_{ab}	38.5	10.2	2.2	41.5	10.2	25.5	44.4	13.2	39.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−it:	5.0	5.0	

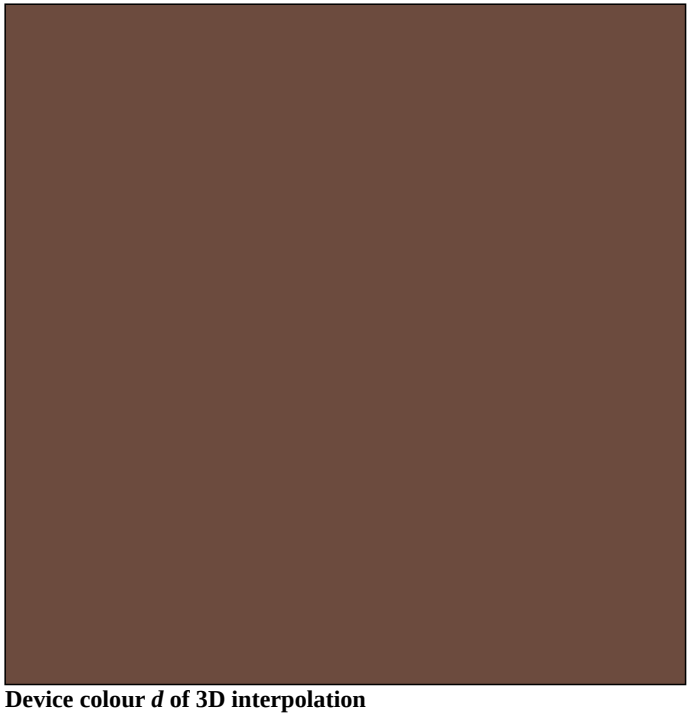
3 Colours no. *j*=263

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.25	0.25	0.375	0.274	0.25	0.424	0.294	0.244
$olv^*_{Fa,\ 8bit}$	96	64	64	96	70	64	108	75	62
L^*, C^*_{ab}, h_{ab}	38.5	10.2	2.2	41.8	10.8	38.2	48.1	15.9	52.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−in:	15.6	15.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
264	0.375	0.25	0.375	330.0	57.9	105.2	328.6	89.9	−54.7	42.1	13.2	328.6	11.2	−6.7	0.625	0.125	b50r	m02o		1.0	0.0	0.975	0.375	0.25	0.372
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
264	0.375	0.25	0.375	330.0	56.9	108.7	326.7	90.8	−59.6	42.0	13.6	326.7	11.3	−7.4	0.625	0.125	b47r	m00o		0.966	0.0	1.0	0.371	0.25	0.375

3 Colours no. *j*=264

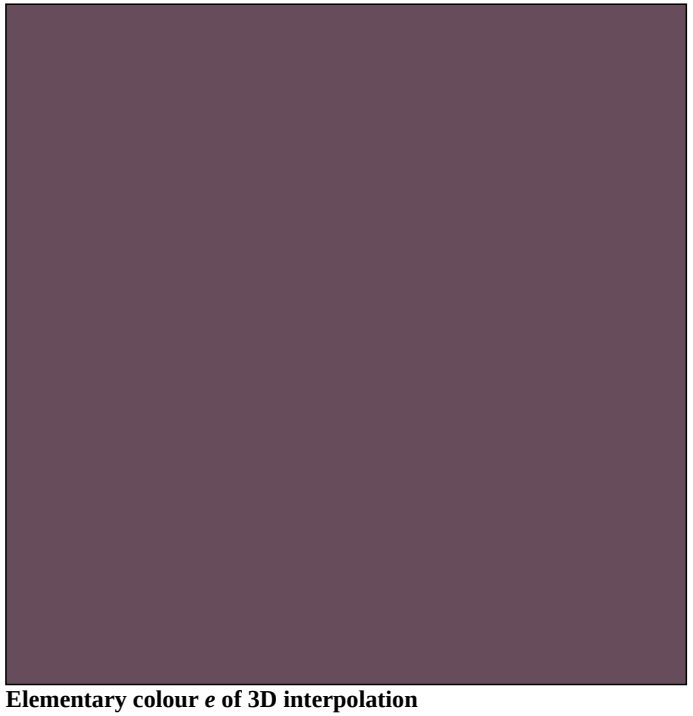
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.375	0.375	0.25	0.372	0.404	0.297	0.359
$rgb^*_{Fa,\ 8bit}$	96	64	96	96	64	95	103	76	91
L^*, C^*_{ab}, h_{ab}	39.2	20.7	318.7	42.1	13.2	328.6	48.7	14.4	352.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−it:	8.8	8.8	

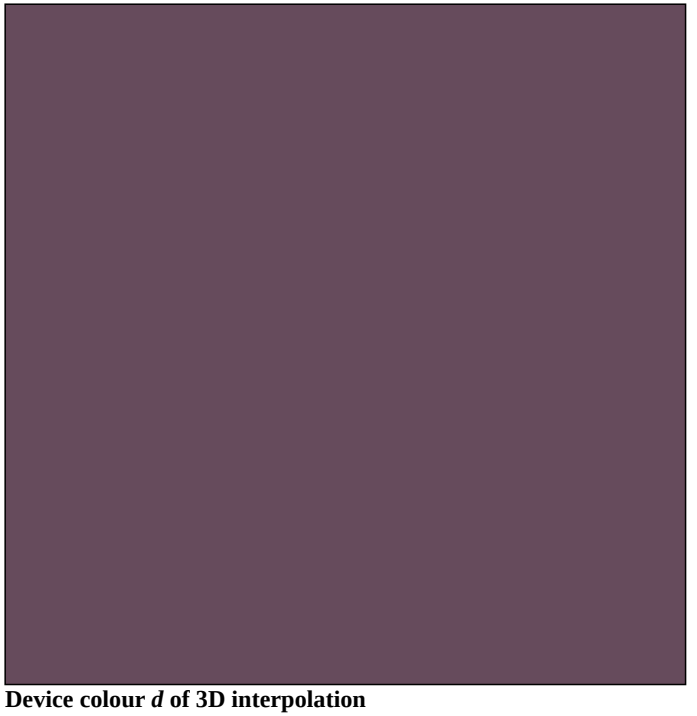
3 Colours no. *j*=264

output of the device colour *d*:

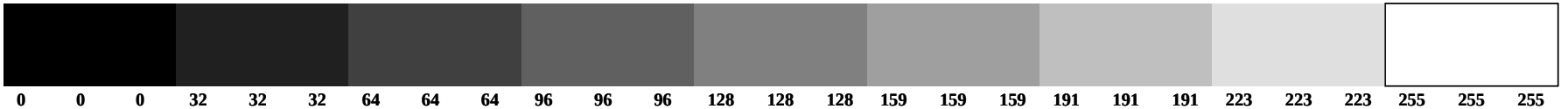
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.375	0.371	0.25	0.375	0.401	0.295	0.362
$olv^*_{Fa,\ 8bit}$	96	64	96	95	64	96	102	75	92
L^*, C^*_{ab}, h_{ab}	39.2	20.7	318.7	42.0	13.6	326.7	48.7	14.6	347.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.0	8.0	3D−in:	14.3	14.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
265	0.375	0.25	0.5	300.0	39.4	107.1	300.2	53.9	−92.5	42.5	26.8	300.2	13.5	−23.0	0.5	0.25	b25r	c83v		0.0	0.173	1.0	0.25	0.293	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
265	0.375	0.25	0.5	300.0	49.6	110.3	315.4	78.5	−77.4	45.1	27.6	315.4	19.6	−19.3	0.5	0.25	b38r	v50m		0.767	0.0	1.0	0.442	0.25	0.5

3 Colours no. *j*=265

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.5	0.25	0.293	0.5	0.353	0.307	0.514
$rgb^*_{Fa,\ 8bit}$	96	64	128	64	75	128	90	78	131
L^*, C^*_{ab}, h_{ab}	39.9	33.5	309.1	42.5	26.8	300.2	47.2	25.0	308.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−it:	6.3	6.3	

3 Colours no. *j*=265

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.5	0.442	0.25	0.5	0.464	0.314	0.518
$olv^*_{Fa,\ 8bit}$	96	64	128	113	64	128	118	80	132
L^*, C^*_{ab}, h_{ab}	39.9	33.5	309.1	45.1	27.6	315.4	49.3	25.7	322.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−in:	14.0	14.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
266	0.375	0.25	0.625	289.1	49.2	80.6	289.9	27.4	−75.7	48.9	30.2	289.9	10.3	−28.3	0.375	0.375	b16r	c62v		0.0	0.383	1.0	0.25	0.394	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
266	0.375	0.25	0.625	289.1	47.5	111.4	311.3	73.5	−83.7	48.3	41.8	311.3	27.5	−31.3	0.375	0.375	b34r	v32m		0.695	0.0	1.0	0.511	0.25	0.625

3 Colours no. *j*=266

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.625	0.25	0.394	0.625	0.376	0.405	0.67
$rgb^*_{Fa,\ 8bit}$	96	64	159	64	100	159	96	103	171
L^*, C^*_{ab}, h_{ab}	40.8	45.5	305.7	48.9	30.2	289.9	50.6	29.0	293.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.1	20.1	3D−it:	2.7	2.7	

3 Colours no. *j*=266

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.625	0.511	0.25	0.625	0.52	0.336	0.693
$olv^*_{Fa,\ 8bit}$	96	64	159	130	64	159	133	86	177
L^*, C^*_{ab}, h_{ab}	40.8	45.5	305.7	48.3	41.8	311.3	52.5	43.2	316.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−in:	14.5	14.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
267	0.375	0.25	0.75	283.9	52.8	72.7	284.9	18.7	−70.1	54.6	36.3	284.9	9.4	−35.0	0.25	0.5	b11r	c55v		0.0	0.455	1.0	0.25	0.477	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
267	0.375	0.25	0.75	283.9	46.5	112.0	309.3	70.9	−86.5	51.5	56.0	309.3	35.5	−43.2	0.25	0.5	b32r	v23m		0.66	0.0	1.0	0.58	0.25	0.75

3 Colours no. *j*=267

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.75	0.25	0.477	0.75	0.396	0.491	0.828
$rgb^*_{Fa,\ 8bit}$	96	64	191	64	122	191	101	125	211
L^*, C^*_{ab}, h_{ab}	41.8	57.5	304.4	54.6	36.3	284.9	55.3	32.6	286.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.2	29.2	3D−it:	3.9	3.9	

3 Colours no. *j*=267

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.75	0.58	0.25	0.75	0.573	0.355	0.861
$olv^*_{Fa,\ 8bit}$	96	64	191	148	64	191	146	91	220
L^*, C^*_{ab}, h_{ab}	41.8	57.5	304.4	51.5	56.0	309.3	53.4	55.2	311.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	13.6	13.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
268	0.375	0.25	0.875	280.9	54.8	68.1	282.1	14.2	−66.5	60.3	42.5	282.1	8.9	−41.5	0.125	0.625	b09r	c50v		0.0	0.496	1.0	0.25	0.56	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
268	0.375	0.25	0.875	280.9	46.0	112.3	308.2	69.4	−88.2	54.8	70.2	308.2	43.4	−55.1	0.125	0.625	b31r	v18m		0.641	0.0	1.0	0.65	0.25	0.875

3 Colours no. *j*=268

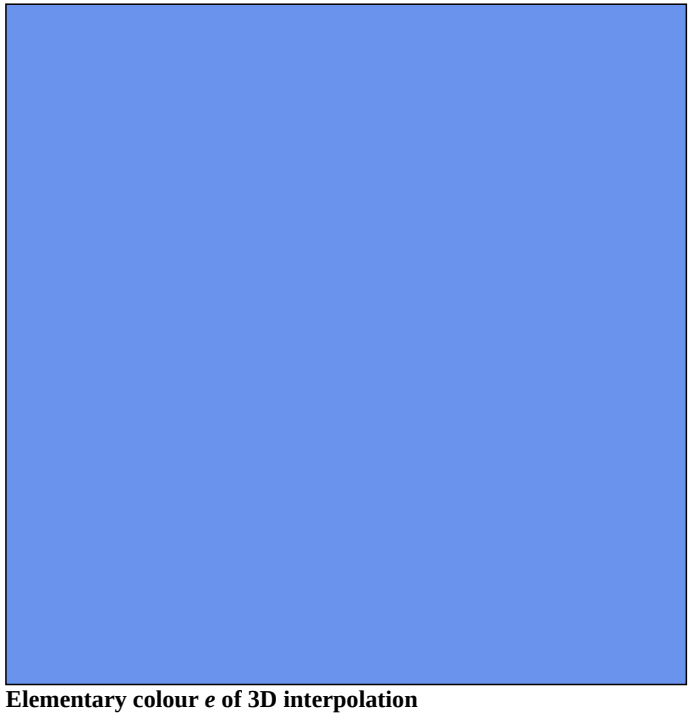
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.875	0.25	0.56	0.875	0.41	0.576	0.926
$rgb^*_{Fa,\ 8bit}$	96	64	223	64	143	223	104	147	236
L^*, C^*_{ab}, h_{ab}	43.2	70.4	303.6	60.3	42.5	282.1	65.3	40.1	283.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	38.6	38.6	3D−it:	5.7	5.7	

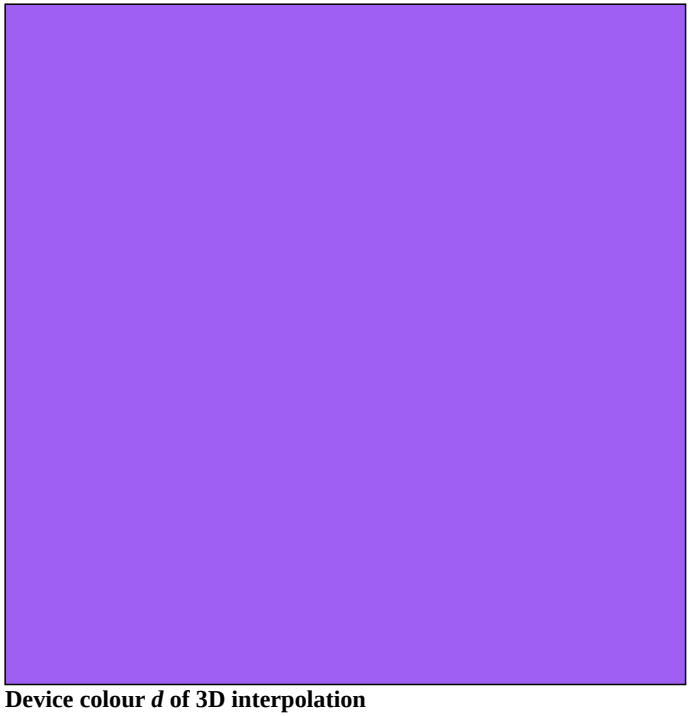
3 Colours no. *j*=268

output of the device colour *d*:

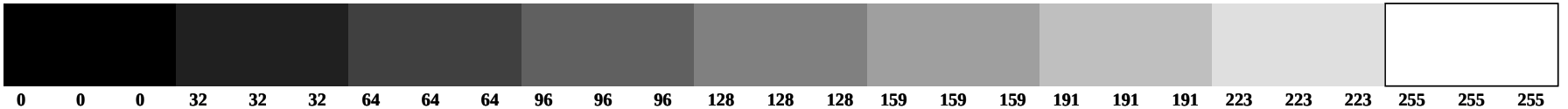
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.875	0.65	0.25	0.875	0.622	0.371	0.949
$olv^*_{Fa,\ 8bit}$	96	64	223	166	64	223	159	95	242
L^*, C^*_{ab}, h_{ab}	43.2	70.4	303.6	54.8	70.2	308.2	63.5	69.3	311.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−in:	22.6	22.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
269	0.375	0.25	1.0	279.0	55.8	66.0	280.2	11.7	−64.9	65.7	49.5	280.2	8.8	−48.6	0.0	0.75	b07r	c48v		0.0	0.518	1.0	0.25	0.638	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
269	0.375	0.25	1.0	279.0	45.6	112.5	307.4	68.4	−89.2	58.1	84.4	307.4	51.3	−66.9	0.0	0.75	b31r	v15m		0.628	0.0	1.0	0.721	0.25	1.0

3 Colours no. *j*=269

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.25	1.0	0.25	0.638	1.0	0.422	0.658	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	64	255	64	163	255	108	168	255
L^*, C^*_{ab}, h_{ab}	46.8	95.1	303.0	65.7	49.5	280.2	68.0	46.5	282.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	56.3	56.3	3D−it:	4.4	4.4	

3 Colours no. *j*=269

output of the device colour *d*:

rgb input (in):									
	0.375	0.25	1.0	0.721	0.25	1.0	0.674	0.376	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	64	255	184	64	255	172	96	255
L^*, C^*_{ab}, h_{ab}	46.8	95.1	303.0	58.1	84.4	307.4	60.0	84.5	310.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.1	17.1	3D−in:	20.9	20.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
270	0.375	0.375	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	42.4	33.7	92.3	−1.2	33.6	0.625	0.375	r99j	o88y		1.0	0.884	0.0	0.375	0.332	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
270	0.375	0.375	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	44.8	38.3	101.8	−7.7	37.5	0.625	0.375	j13g	o100y		0.864	1.0	0.0	0.324	0.375	0.0

3 Colours no. *j*=270

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.0	0.375	0.332	0.0	0.414	0.321	0.033
$rgb^*_{Fa,\ 8bit}$	96	96	0	96	85	0	105	82	9
L^*, C^*_{ab}, h_{ab}	44.7	41.1	106.5	42.4	33.7	92.3	47.2	34.9	87.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−it:	5.6	5.6	

3 Colours no. *j*=270

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.0	0.324	0.375	0.0	0.404	0.369	0.025
$olv^*_{Fa,\ 8bit}$	96	96	0	83	96	0	103	94	6
L^*, C^*_{ab}, h_{ab}	44.7	41.1	106.5	44.8	38.3	101.8	45.0	39.6	95.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.3	4.3	3D−in:	7.6	7.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
271	0.375	0.375	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	43.9	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
271	0.375	0.375	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	45.5	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.25	r99j	o88y		1.0	0.884	0.0	0.375	0.346	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.25	j13g	o100y		0.865	1.0	0.0	0.341	0.375	0.125

3 Colours no. *j*=271

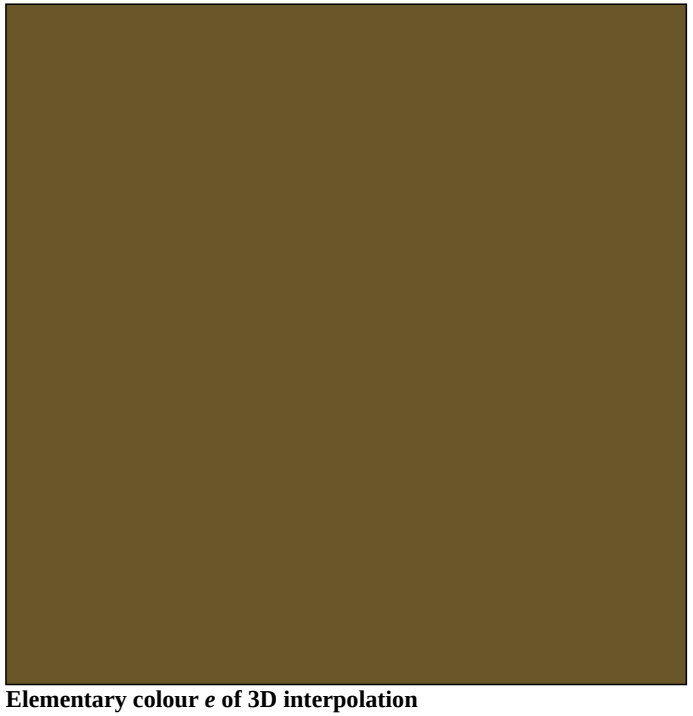
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.125	0.375	0.346	0.125	0.415	0.343	0.159
$rgb^*_{Fa,\ 8bit}$	96	96	32	96	88	32	106	87	41
L^*, C^*_{ab}, h_{ab}	44.9	30.3	107.9	43.9	22.4	92.3	47.6	30.8	80.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	10.7	10.7	

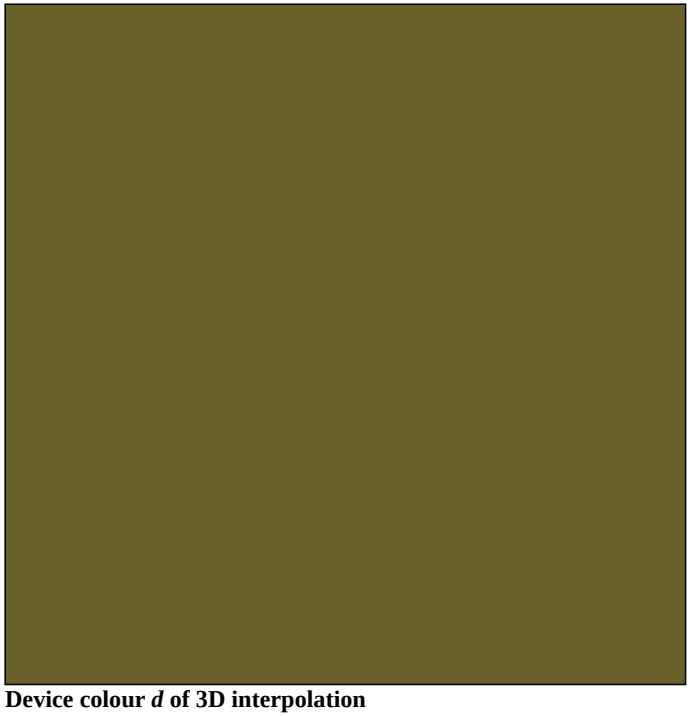
3 Colours no. *j*=271

output of the device colour *d*:

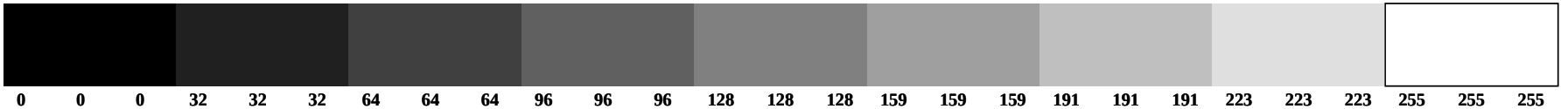
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.125	0.341	0.375	0.125	0.409	0.376	0.158
$olv^*_{Fa,\ 8bit}$	96	96	32	87	96	32	104	96	40
L^*, C^*_{ab}, h_{ab}	44.9	30.3	107.9	45.5	25.6	101.8	46.1	28.8	92.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−in:	8.3	8.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
272	0.375	0.375	0.25	90.0	83.7	89.7	92.3	−3.4	89.7	45.3	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
272	0.375	0.375	0.25	90.0	90.1	102.2	101.8	−20.7	100.1	46.2	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.125	r99j	o88y		1.0	0.884	0.0	0.375	0.36	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.125	j13g	o100y		0.865	1.0	0.0	0.358	0.375	0.25

3 Colours no. *j*=272

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.25	0.375	0.36	0.25	0.412	0.364	0.249
$rgb^*_{Fa,\ 8bit}$	96	96	64	96	92	64	105	93	63
L^*, C^*_{ab}, h_{ab}	45.3	11.8	113.2	45.3	11.2	92.3	45.3	12.2	72.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.2	4.2	

3 Colours no. *j*=272

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.25	0.358	0.375	0.25	0.409	0.381	0.248
$olv^*_{Fa,\ 8bit}$	96	96	64	91	96	64	104	97	63
L^*, C^*_{ab}, h_{ab}	45.3	11.8	113.2	46.2	12.8	101.8	47.0	14.2	92.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.8	2.8	3D−in:	5.6	5.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
273	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0	0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
273	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0	0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=273

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.8	3.1	273.7	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.2	3.2	3D−it:	3.2	3.2	

3 Colours no. *j*=273

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.8	3.1	273.7	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.2	3.2	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
274	0.375	0.375	0.5	270.0	60.4	57.4	271.8	1.8	−57.2	52.2	7.2	271.8	0.2	−7.1	0.5	0.125	b00r	c39v		0.0	0.613	1.0	0.375	0.452	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
274	0.375	0.375	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	50.1	14.2	304.1	7.9	−11.6	0.5	0.125	b28r	v00m		0.569	0.0	1.0	0.446	0.375	0.5

3 Colours no. *j*=274

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.5	0.375	0.452	0.5	0.436	0.466	0.508
$rgb^*_{Fa,\ 8bit}$	96	96	128	96	115	128	111	119	130
L^*, C^*_{ab}, h_{ab}	46.5	16.7	290.4	52.2	7.2	271.8	54.9	2.2	284.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−it:	5.8	5.8	

3 Colours no. *j*=274

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.5	0.446	0.375	0.5	0.462	0.417	0.522
$olv^*_{Fa,\ 8bit}$	96	96	128	114	96	128	118	106	133
L^*, C^*_{ab}, h_{ab}	46.5	16.7	290.4	50.1	14.2	304.1	55.4	14.7	316.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.8	5.8	3D−in:	11.6	11.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
275	0.375	0.375	0.625	270.0	60.4	57.3	271.8	1.8	−57.2	57.5	14.3	271.8	0.4	−14.2	0.375	0.25	b00r	c39v		0.0	0.613	1.0	0.375	0.528	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
275	0.375	0.375	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	53.4	28.3	304.1	15.9	−23.4	0.375	0.25	b28r	v00m		0.569	0.0	1.0	0.517	0.375	0.625

3 Colours no. *j*=275

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.625	0.375	0.528	0.625	0.473	0.547	0.668
$rgb^*_{Fa,\ 8bit}$	96	96	159	96	135	159	121	140	170
L^*, C^*_{ab}, h_{ab}	47.2	29.0	293.0	57.5	14.3	271.8	62.0	14.3	283.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.5	19.5	3D−it:	5.4	5.4	

3 Colours no. *j*=275

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.625	0.517	0.375	0.625	0.525	0.444	0.697
$olv^*_{Fa,\ 8bit}$	96	96	159	132	96	159	134	113	178
L^*, C^*_{ab}, h_{ab}	47.2	29.0	293.0	53.4	28.3	304.1	58.0	27.3	310.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−in:	13.8	13.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
276	0.375	0.375	0.375	270.0	60.4	57.3	271.8	1.8	−57.2	62.9	21.5	271.8	0.7	−21.4	0.25	0.375	b00r	c39v		0.0	0.613	1.0	0.375	0.605	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
276	0.375	0.375	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	56.8	42.5	304.1	23.8	−35.1	0.25	0.375	b28r	v00m		0.569	0.0	1.0	0.588	0.375	0.75

3 Colours no. *j*=276

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.75	0.375	0.605	0.75	0.505	0.629	0.826
$rgb^*_{Fa,\ 8bit}$	96	96	191	96	154	191	129	160	211
L^*, C^*_{ab}, h_{ab}	48.0	41.1	294.6	62.9	21.5	271.8	62.9	16.6	281.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	27.3	27.3	3D−it:	5.9	5.9	

3 Colours no. *j*=276

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.75	0.588	0.375	0.75	0.583	0.469	0.864
$olv^*_{Fa,\ 8bit}$	96	96	191	150	96	191	149	120	220
L^*, C^*_{ab}, h_{ab}	48.0	41.1	294.6	56.8	42.5	304.1	58.9	41.0	307.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	14.1	14.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
277	0.375	0.375	0.875	270.0	60.4	57.3	271.7	1.7	−57.2	68.2	28.7	271.7	0.9	−28.5	0.125	0.5	b00r	c39v		0.0	0.613	1.0	0.375	0.681	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
277	0.375	0.375	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	60.1	56.6	304.1	31.7	−46.8	0.125	0.5	b28r	v00m		0.568	0.0	1.0	0.659	0.375	0.875

3 Colours no. *j*=277

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.875	0.375	0.681	0.875	0.527	0.708	0.926
$rgb^*_{Fa,\ 8bit}$	96	96	223	96	174	223	134	181	236
L^*, C^*_{ab}, h_{ab}	49.1	54.5	296.0	68.2	28.7	271.7	73.6	26.9	277.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.1	36.1	3D−it:	6.2	6.2	

3 Colours no. *j*=277

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.875	0.659	0.375	0.875	0.637	0.49	0.95
$olv^*_{Fa,\ 8bit}$	96	96	223	168	96	223	162	125	242
L^*, C^*_{ab}, h_{ab}	49.1	54.5	296.0	60.1	56.6	304.1	68.4	55.9	308.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−in:	22.8	22.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
278	0.375	0.375	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	73.6	35.8	271.7	1.1	−35.7	0.0	0.625	b00r	c39v		0.0	0.613	1.0	0.375	0.758	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
278	0.375	0.375	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	63.4	70.8	304.1	39.7	−58.6	0.0	0.625	b28r	v00m		0.568	0.0	1.0	0.73	0.375	1.0

3 Colours no. *j*=278

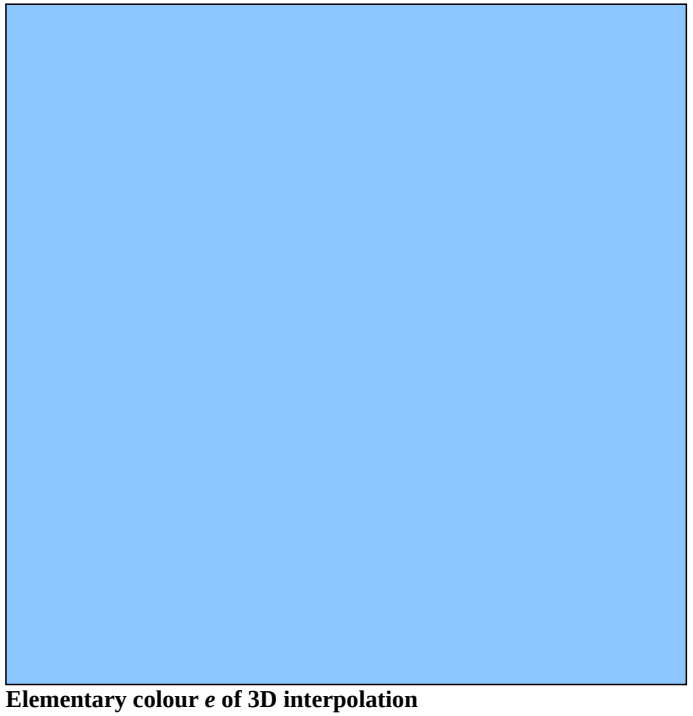
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	1.0	0.375	0.758	1.0	0.552	0.782	1.0
$rgb^*_{Fa,\ 8bit}$	96	96	255	96	193	255	141	199	255
L^*, C^*_{ab}, h_{ab}	52.1	80.0	297.8	73.6	35.8	271.7	76.1	32.1	274.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	54.7	54.7	3D−it:	4.7	4.7	

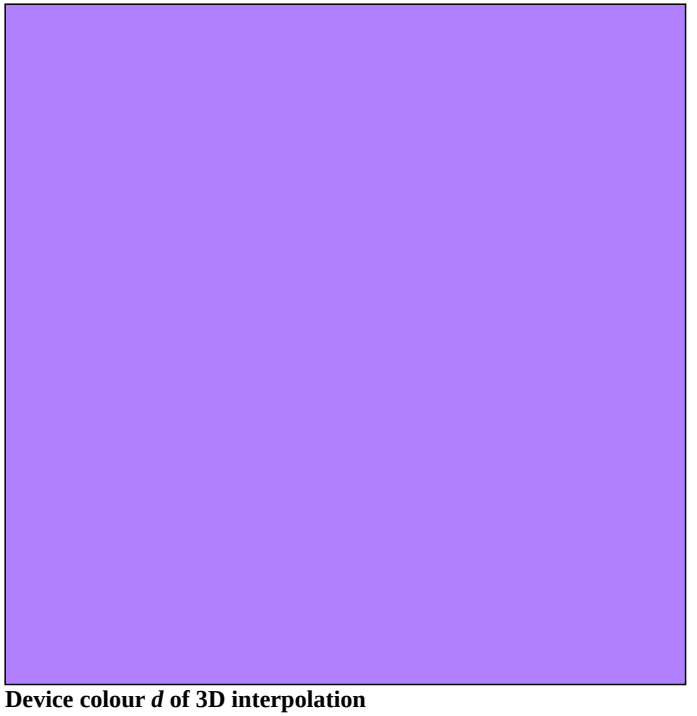
3 Colours no. *j*=278

output of the device colour *d*:

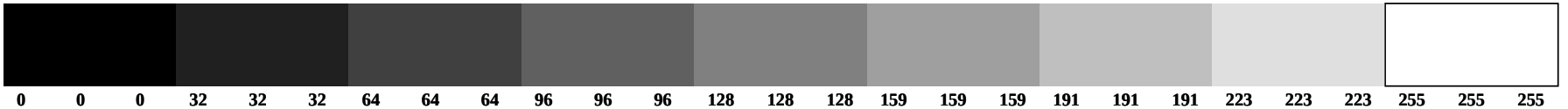
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	1.0	0.73	0.375	1.0	0.695	0.502	1.0
$olv^*_{Fa,\ 8bit}$	96	96	255	186	96	255	177	128	255
L^*, C^*_{ab}, h_{ab}	52.1	80.0	297.8	63.4	70.8	304.1	65.6	71.6	309.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.7	16.7	3D−in:	21.7	21.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
279	0.375	0.5	0.0	103.9	90.8	102.1	108.5	−32.3	96.8	54.2	51.0	108.5	−16.1	48.4	0.5	0.5	j23g	y10l		0.9	1.0	0.0	0.45	0.5	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
279	0.375	0.5	0.0	103.9	88.8	103.6	108.9	−33.5	98.0	53.2	51.8	108.9	−16.7	49.0	0.5	0.5	j24g	y23l		0.763	1.0	0.0	0.381	0.5	0.0

3 Colours no. *j*=279

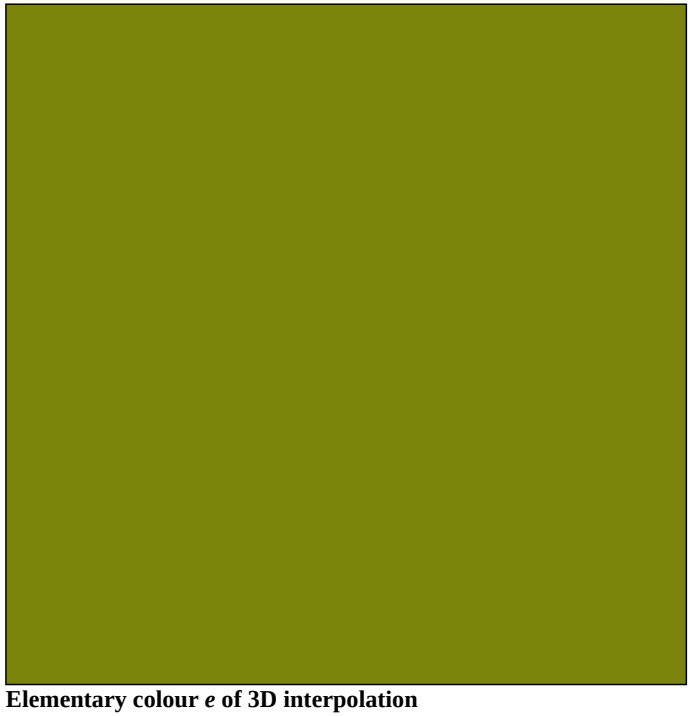
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.0	0.45	0.5	0.0	0.482	0.521	0.043
$rgb^*_{Fa,\ 8bit}$	96	128	0	115	128	0	123	133	11
L^*, C^*_{ab}, h_{ab}	51.6	53.7	116.5	54.2	51.0	108.5	55.0	52.7	104.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.2	8.2	3D−it:	3.9	3.9	

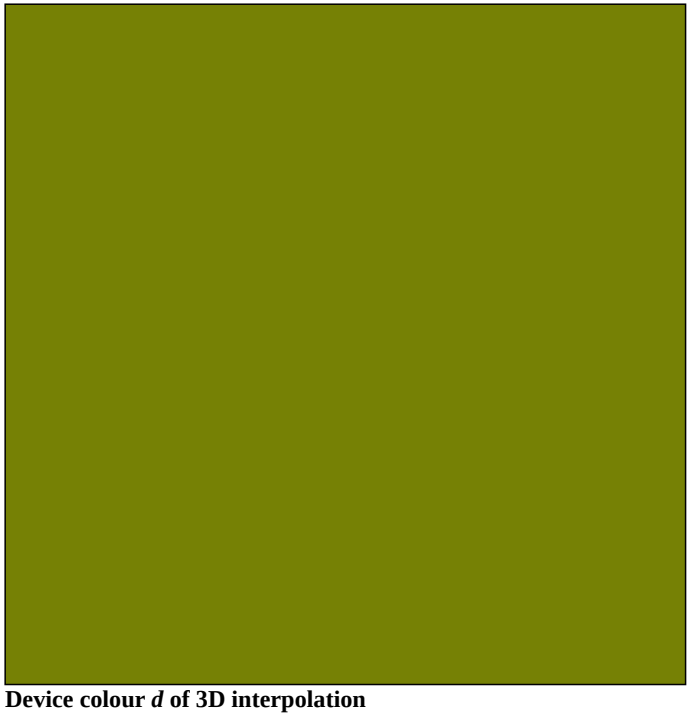
3 Colours no. *j*=279

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.0	0.381	0.5	0.0	0.464	0.507	0.019
$olv^*_{Fa,\ 8bit}$	96	128	0	97	128	0	118	129	5
L^*, C^*_{ab}, h_{ab}	51.6	53.7	116.5	53.2	51.8	108.9	53.5	52.7	104.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−in:	11.1	11.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 280/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
280	0.375	0.5	0.125	109.1	89.1	103.3	114.6	−42.8	94.0	54.2	38.7	114.6	−16.0	35.2	0.5	0.375	j31g	y22l		0.78	1.0	0.0	0.417	0.5	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
280	0.375	0.5	0.125	109.1	88.4	104.2	111.6	−38.2	96.9	53.9	39.1	111.6	−14.3	36.4	0.5	0.375	j27g	y32l		0.725	1.0	0.0	0.397	0.5	0.125

3 Colours no. *j*=280

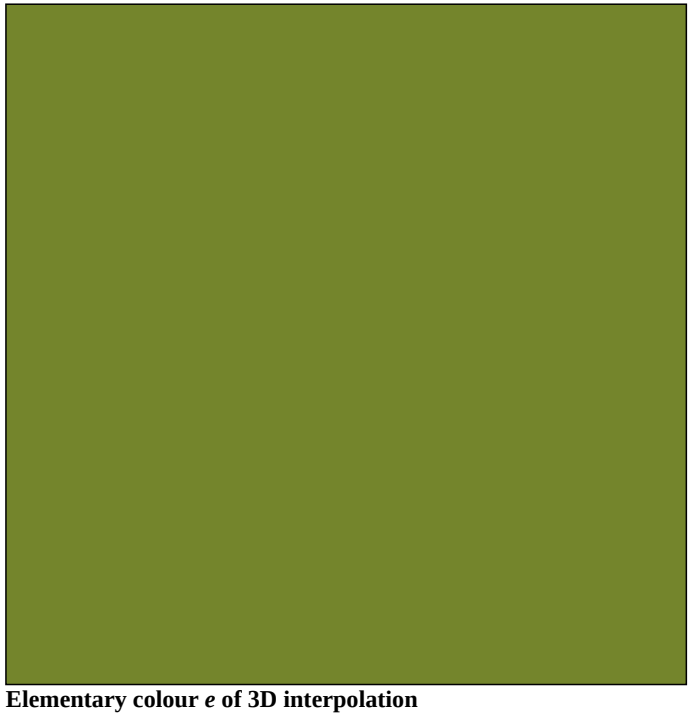
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.125	0.417	0.5	0.125	0.455	0.523	0.171
$rgb^*_{Fa,\ 8bit}$	96	128	32	106	128	32	116	133	44
L^*, C^*_{ab}, h_{ab}	51.8	44.2	119.9	54.2	38.7	114.6	60.3	39.5	108.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−it:	7.4	7.4	

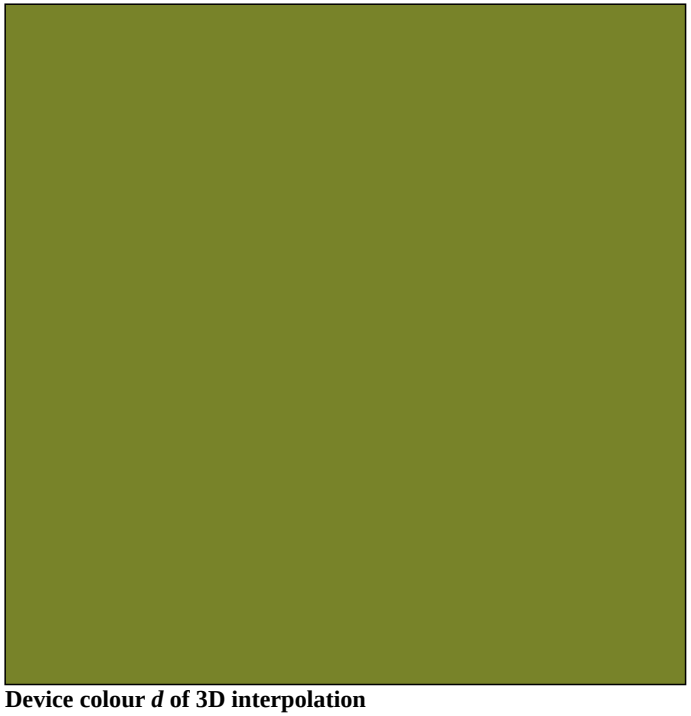
3 Colours no. *j*=280

output of the device colour *d*:

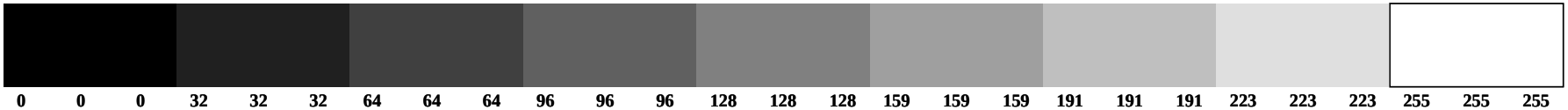
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.125	0.397	0.5	0.125	0.47	0.514	0.161
$olv^*_{Fa,\ 8bit}$	96	128	32	101	128	32	120	131	41
L^*, C^*_{ab}, h_{ab}	51.8	44.2	119.9	53.9	39.1	111.6	54.2	42.8	105.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.2	8.2	3D−in:	11.0	11.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
281	0.375	0.5	0.25	120.0	85.7	111.8	127.2	−67.5	89.0	54.1	27.9	127.2	−16.8	22.2	0.5	0.25	j49g	y61l		0.386	1.0	0.0	0.346	0.5	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
281	0.375	0.5	0.25	120.0	87.6	105.9	117.1	−48.2	94.2	54.6	26.5	117.1	−12.0	23.5	0.5	0.25	j35g	y50l		0.645	1.0	0.0	0.411	0.5	0.25

3 Colours no. *j*=281

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.25	0.346	0.5	0.25	0.404	0.53	0.267
$rgb^*_{Fa,\ 8bit}$	96	128	64	88	128	64	103	135	68
L^*, C^*_{ab}, h_{ab}	52.2	27.4	130.2	54.1	27.9	127.2	56.1	28.5	124.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.5	2.5	3D−it:	2.5	2.5	

3 Colours no. *j*=281

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.25	0.411	0.5	0.25	0.467	0.522	0.262
$olv^*_{Fa,\ 8bit}$	96	128	64	105	128	64	119	133	67
L^*, C^*_{ab}, h_{ab}	52.2	27.4	130.2	54.6	26.5	117.1	55.2	25.3	108.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	10.7	10.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
282	0.375	0.5	0.375	150.0	85.7	63.5	162.2	−60.4	19.4	55.3	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
282	0.375	0.5	0.375	150.0	86.0	110.8	132.5	−74.7	81.7	55.4	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.125	j99g	l77c		0.0	1.0	0.774	0.375	0.5	0.472
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.125	j57g	y100l		0.425	1.0	0.0	0.428	0.5	0.375

3 Colours no. *j*=282

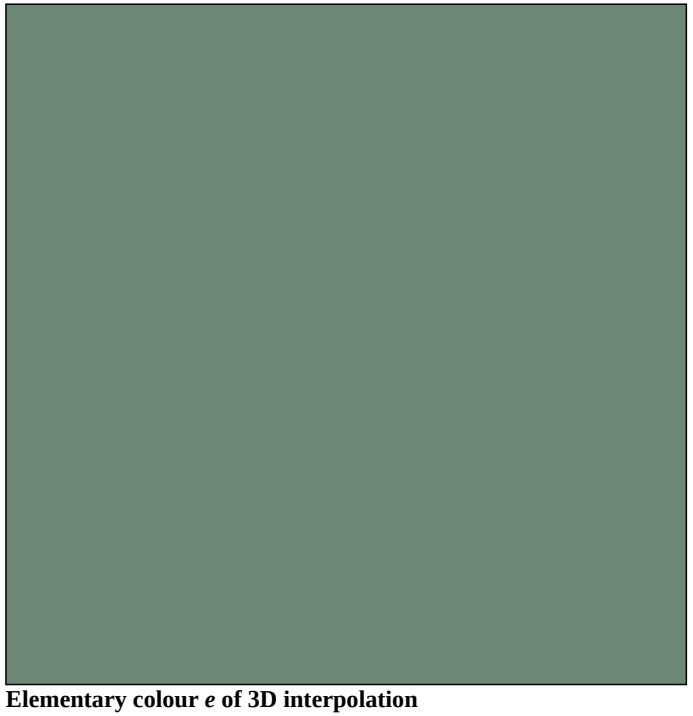
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.375	0.375	0.5	0.472	0.432	0.532	0.467
$rgb^*_{Fa,\ 8bit}$	96	128	96	96	128	120	110	136	119
L^*, C^*_{ab}, h_{ab}	52.6	11.5	114.8	55.3	7.9	162.2	62.7	10.7	106.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−it:	11.7	11.7	

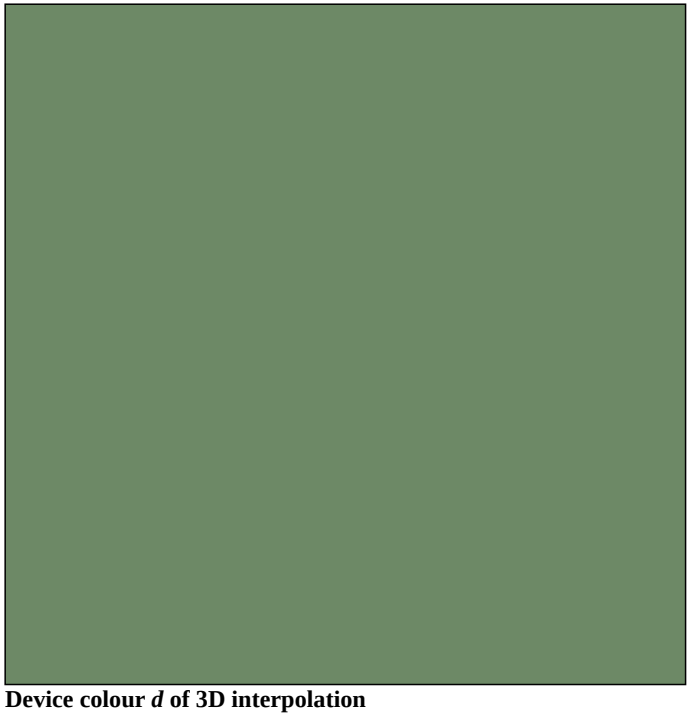
3 Colours no. *j*=282

output of the device colour *d*:

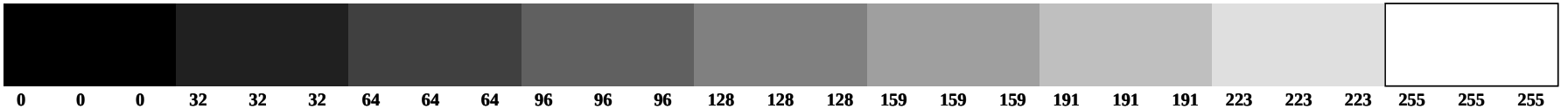
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.375	0.428	0.5	0.375	0.426	0.539	0.4
$olv^*_{Fa,\ 8bit}$	96	128	96	109	128	96	109	138	102
L^*, C^*_{ab}, h_{ab}	52.6	11.5	114.8	55.4	13.8	132.5	58.1	11.5	114.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.3	5.3	3D−in:	5.6	5.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
283	0.375	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	54.6	5.5	217.0	−4.3	−3.2	0.5	0.125	g50b	c08v		0.0	0.925	1.0	0.375	0.491	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
283	0.375	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.9	55.3	9.1	196.7	−8.6	−2.5	0.5	0.125	g31b	c00v		0.0	1.0	0.63	0.375	0.5	0.454

3 Colours no. *j*=283

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.5	0.375	0.491	0.5	0.442	0.513	0.508
$rgb^*_{Fa,\ 8bit}$	96	128	128	96	125	128	113	131	130
L^*, C^*_{ab}, h_{ab}	53.1	9.5	213.2	54.6	5.5	217.0	56.2	1.5	241.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.4	4.4	3D−it:	4.4	4.4	

3 Colours no. *j*=283

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.5	0.375	0.5	0.454	0.408	0.535	0.511
$olv^*_{Fa,\ 8bit}$	96	128	128	96	128	116	104	136	130
L^*, C^*_{ab}, h_{ab}	53.1	9.5	213.2	55.3	9.1	196.7	57.5	8.0	180.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.8	6.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
284	0.375	0.5	0.625	240.0	71.1	44.7	244.4	−19.2	−40.3	60.2	11.2	244.4	−4.7	−10.0	0.375	0.25	g75b	c20v		0.0	0.802	1.0	0.375	0.576	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
284	0.375	0.5	0.625	240.0	49.5	79.9	250.4	−26.7	−75.2	54.8	20.0	250.4	−6.6	−18.7	0.375	0.25	g80b	c50v		0.0	0.389	1.0	0.375	0.472	0.625

3 Colours no. *j*=284

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.625	0.375	0.576	0.625	0.475	0.6	0.668
$rgb^*_{Fa,\ 8bit}$	96	128	159	96	147	159	121	153	170
L^*, C^*_{ab}, h_{ab}	53.7	16.5	260.3	60.2	11.2	244.4	62.0	5.9	245.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−it:	5.6	5.6	

3 Colours no. *j*=284

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.625	0.375	0.472	0.625	0.32	0.531	0.668
$olv^*_{Fa,\ 8bit}$	96	128	159	96	120	159	82	135	170
L^*, C^*_{ab}, h_{ab}	53.7	16.5	260.3	54.8	20.0	250.4	57.4	19.1	258.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−in:	4.6	4.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
285	0.375	0.5	0.75	250.9	67.8	46.9	254.3	−12.6	−45.0	65.6	17.6	254.3	−4.7	−16.8	0.25	0.375	g83b	c25v		0.0	0.75	1.0	0.375	0.656	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
285	0.375	0.5	0.75	250.9	35.4	119.0	269.9	−0.1	−118.9	53.5	44.6	269.9	0.0	−44.5	0.25	0.375	g97b	c68v		0.0	0.033	1.0	0.375	0.388	0.75

3 Colours no. *j*=285

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.5	0.75	0.375	0.656	0.75	0.508	0.682	0.824
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	96	128	191	96	167	191	129	174	210
L^*, C^*_{ab}, h_{ab}	54.3	27.4	276.3	65.6	17.6	254.3	69.2	15.0	260.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.1	17.1	3D−it:	4.8	4.8	

3 Colours no. *j*=285

output of the device colour *d*:

rgb input (in):									
	0.375	0.5	0.75	0.375	0.388	0.75	0.125	0.51	0.887
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	96	128	191	96	99	191	32	130	226
L^*, C^*_{ab}, h_{ab}	54.3	27.4	276.3	53.5	44.6	269.9	54.1	43.2	270.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.7	17.7	3D−in:	16.1	16.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
286	0.375	0.5	0.875	256.1	65.8	49.6	259.1	−9.3	−48.6	70.9	24.8	259.1	−4.6	−24.2	0.125	0.5	g88b	c29v		0.0	0.714	1.0	0.375	0.732	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
286	0.375	0.5	0.875	256.1	35.6	120.1	279.2	19.2	−118.5	55.8	60.1	279.2	9.6	−59.2	0.125	0.5	b06r	c77v		0.132	0.0	1.0	0.441	0.375	0.875

3 Colours no. *j*=286

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.875	0.375	0.732	0.875	0.526	0.76	0.926
$rgb^*_{Fa,\ 8bit}$	96	128	223	96	187	223	134	194	236
L^*, C^*_{ab}, h_{ab}	55.3	40.1	283.7	70.9	24.8	259.1	79.6	23.3	262.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	25.7	25.7	3D−it:	8.9	8.9

3 Colours no. *j*=286

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.875	0.441	0.375	0.875	0.109	0.522	0.974
$olv^*_{Fa,\ 8bit}$	96	128	223	112	96	223	28	133	248
L^*, C^*_{ab}, h_{ab}	55.3	40.1	283.7	55.8	60.1	279.2	63.5	53.1	281.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	20.3	20.3	3D−in:	15.5	15.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 287/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
287	0.375	0.5	1.0	259.1	64.7	51.2	261.8	−7.2	−50.5	76.2	32.0	261.8	−4.5	−31.5	0.0	0.625	g90b	c31v		0.0	0.693	1.0	0.375	0.808	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
287	0.375	0.5	1.0	259.1	37.0	118.8	284.6	29.9	−114.9	58.9	74.3	284.6	18.7	−71.8	0.0	0.625	b11r	c82v		0.226	0.0	1.0	0.516	0.375	1.0

3 Colours no. *j*=287

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.5	1.0	0.375	0.808	1.0	0.545	0.829	1.0
$rgb^*_{Fa,\ 8bit}$	96	128	255	96	206	255	139	211	255
L^*, C^*_{ab}, h_{ab}	57.8	65.7	290.7	76.2	32.0	261.8	79.6	25.8	263.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	44.7	44.7	3D−it:	7.1	7.1

3 Colours no. *j*=287

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.5	1.0	0.516	0.375	1.0	0.251	0.488	1.0
$olv^*_{Fa,\ 8bit}$	96	128	255	132	96	255	64	124	255
L^*, C^*_{ab}, h_{ab}	57.8	65.7	290.7	58.9	74.3	284.6	58.9	68.9	286.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.4	11.4	3D−in:	5.9	5.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
288	0.375	0.625	0.0	113.4	87.7	105.7	119.6	−52.1	91.9	61.4	66.1	119.6	−32.5	57.4	0.375	0.625	j39g	y35l		0.653	1.0	0.0	0.408	0.625	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
288	0.375	0.625	0.0	113.4	88.1	104.9	113.8	−42.2	96.0	61.7	65.6	113.8	−26.3	60.0	0.375	0.625	j30g	y39l		0.693	1.0	0.0	0.433	0.625	0.0

3 Colours no. *j*=288

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.0	0.408	0.625	0.0	0.44	0.665	0.038
$rgb^*_{Fa,\ 8bit}$	96	159	0	104	159	0	112	170	10
L^*, C^*_{ab}, h_{ab}	58.2	65.9	121.6	61.4	66.1	119.6	64.6	66.3	117.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−it:	4.0	4.0	

3 Colours no. *j*=288

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.0	0.433	0.625	0.0	0.512	0.654	0.011
$olv^*_{Fa,\ 8bit}$	96	159	0	110	159	0	131	167	3
L^*, C^*_{ab}, h_{ab}	58.2	65.9	121.6	61.7	65.6	113.8	63.5	66.2	111.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	12.4	12.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
289	0.375	0.625	0.125	120.0	85.7	111.8	127.3	−67.6	89.0	61.4	55.9	127.3	−33.7	44.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
289	0.375	0.625	0.125	120.0	87.6	105.9	117.1	−48.2	94.2	62.4	52.9	117.1	−24.0	47.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.5	j49g	y61l		0.385	1.0	0.0	0.318	0.625	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.5	j35g	y50l		0.645	1.0	0.0	0.447	0.625	0.125

3 Colours no. *j*=289

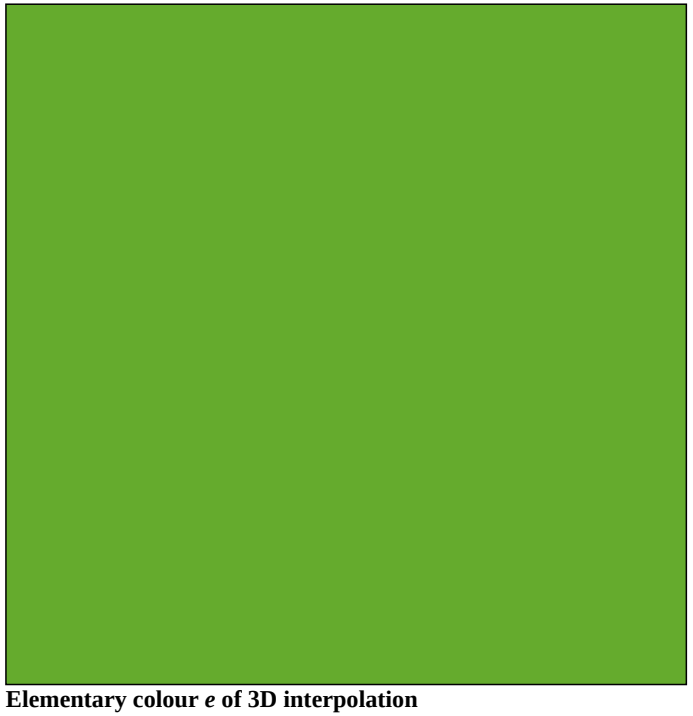
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.125	0.318	0.625	0.125	0.395	0.671	0.175
$rgb^*_{Fa,\ 8bit}$	96	159	32	81	159	32	101	171	45
L^*, C^*_{ab}, h_{ab}	58.4	57.4	124.9	61.4	55.9	127.3	64.5	57.4	124.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.1	4.1	3D−it:	4.1	4.1	

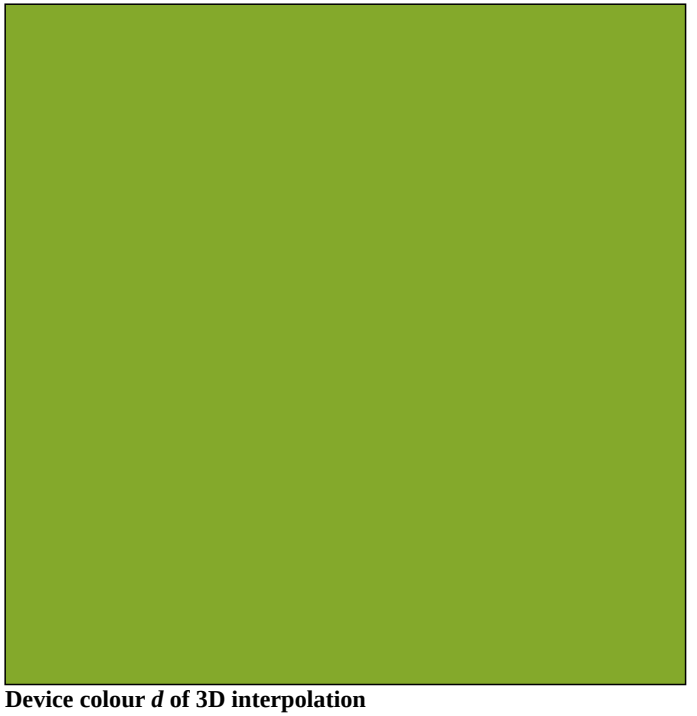
3 Colours no. *j*=289

output of the device colour *d*:

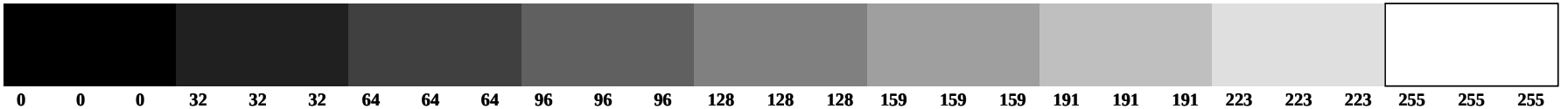
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.125	0.447	0.625	0.125	0.517	0.661	0.168
$olv^*_{Fa,\ 8bit}$	96	159	32	114	159	32	132	169	43
L^*, C^*_{ab}, h_{ab}	58.4	57.4	124.9	62.4	52.9	117.1	64.8	54.6	115.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	11.8	11.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
290	0.375	0.625	0.25	130.9	84.6	98.1	139.9	−75.0	63.1	62.2	36.8	139.9	−28.1	23.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
290	0.375	0.625	0.25	130.9	87.0	107.6	122.7	−58.0	90.5	63.1	40.3	122.7	−21.7	33.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.375	j67g	l29c		0.0	1.0	0.285	0.25	0.625	0.357
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.375	j43g	y68l		0.565	1.0	0.0	0.462	0.625	0.25

3 Colours no. *j*=290

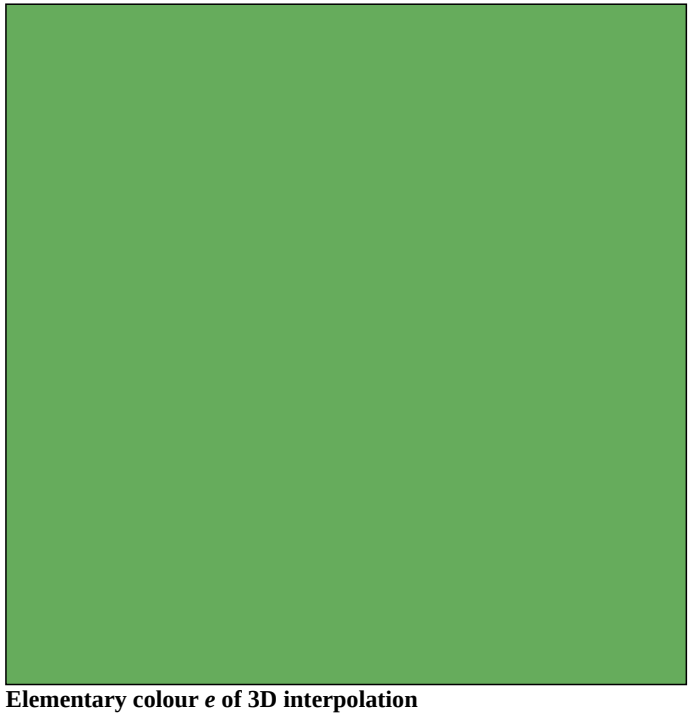
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.25	0.25	0.625	0.357	0.401	0.675	0.36
$rgb^*_{Fa,\ 8bit}$	96	159	64	64	159	91	102	172	92
L^*, C^*_{ab}, h_{ab}	58.7	41.9	133.4	62.2	36.8	139.9	67.7	38.1	128.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	9.3	9.3	

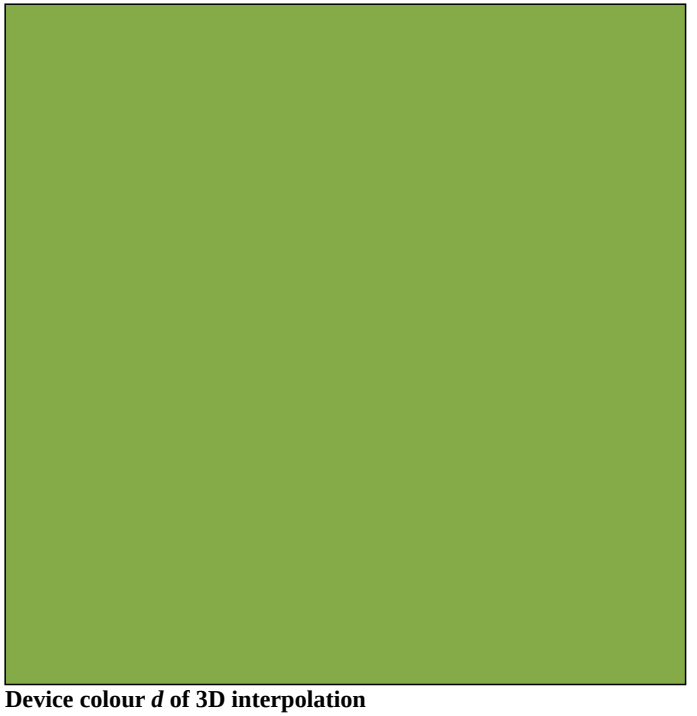
3 Colours no. *j*=290

output of the device colour *d*:

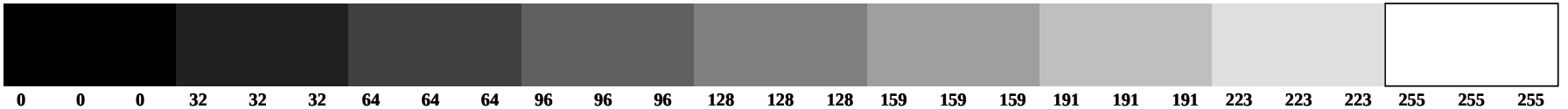
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.25	0.462	0.625	0.25	0.517	0.67	0.28
$olv^*_{Fa,\ 8bit}$	96	159	64	118	159	64	132	171	71
L^*, C^*_{ab}, h_{ab}	58.7	41.9	133.4	63.1	40.3	122.7	65.9	40.1	119.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−in:	12.5	12.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
291	0.375	0.625	0.375	150.0	85.7	63.5	162.2	−60.4	19.4	63.8	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
291	0.375	0.625	0.375	150.0	86.0	110.8	132.5	−74.7	81.7	63.9	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.25	j99g	l77c		0.0	1.0	0.774	0.375	0.625	0.569
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.25	j57g	y100l		0.425	1.0	0.0	0.481	0.625	0.375

3 Colours no. *j*=291

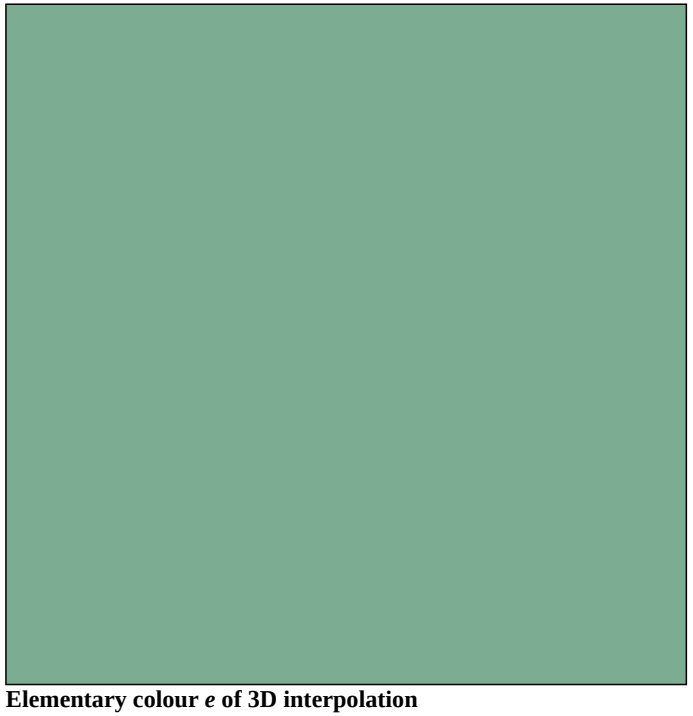
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.375	0.375	0.625	0.569	0.487	0.675	0.572
$rgb^*_{Fa,\ 8bit}$	96	159	96	96	159	145	124	172	146
L^*, C^*_{ab}, h_{ab}	59.1	30.0	145.1	63.8	15.9	162.2	68.1	12.4	147.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.2	16.2	3D−it:	6.6	6.6	

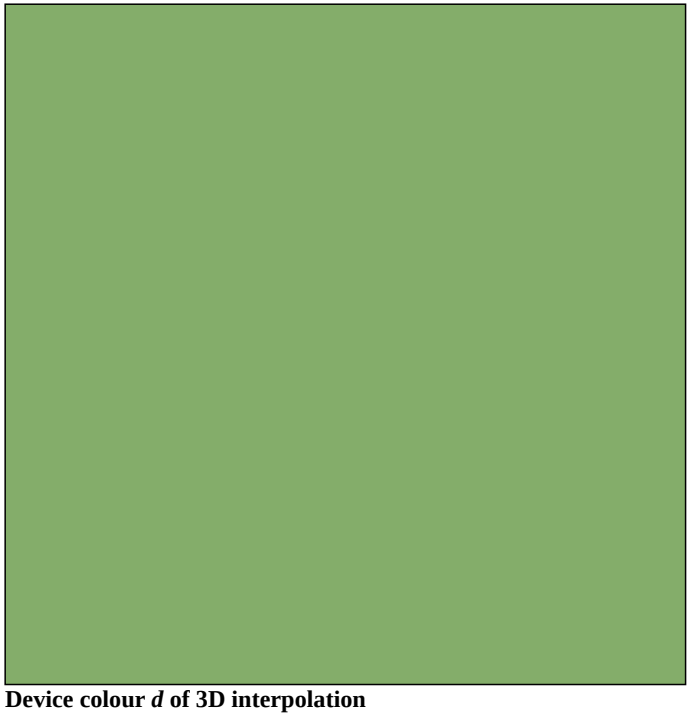
3 Colours no. *j*=291

output of the device colour *d*:

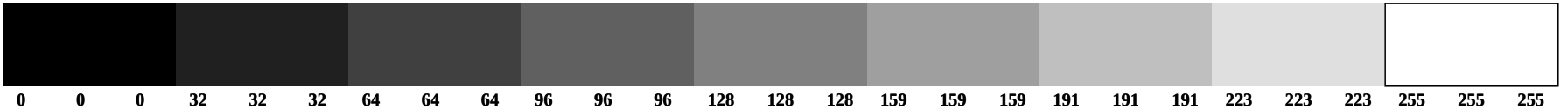
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.375	0.481	0.625	0.375	0.516	0.679	0.417
$olv^*_{Fa,\ 8bit}$	96	159	96	123	159	96	132	173	106
L^*, C^*_{ab}, h_{ab}	59.1	30.0	145.1	63.9	27.7	132.5	67.2	26.5	126.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	12.6	12.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
292	0.375	0.625	0.5	180.0	87.0	49.2	189.6	−48.4	−8.1	64.1	12.3	189.6	−12.0	−2.0	0.375	0.25	g25b	l97c		0.0	1.0	0.967	0.375	0.625	0.617
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
292	0.375	0.625	0.5	180.0	84.4	116.1	164.6	−111.8	30.8	63.5	29.0	164.6	−27.9	7.7	0.375	0.25	g02b	l50c		0.0	1.0	0.043	0.375	0.625	0.386

3 Colours no. *j*=292

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.625	0.5	0.375	0.625	0.617	0.491	0.675	0.649
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	159	128	96	159	157	125	172	166
L^*, C^*_{ab}, h_{ab}	59.5	20.4	166.6	64.1	12.3	189.6	68.6	9.0	178.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−it:	5.9	5.9	

3 Colours no. *j*=292

output of the device colour *d*:

rgb input (in):									
	0.375	0.625	0.5	0.375	0.625	0.386	0.335	0.7	0.535
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	159	128	96	159	98	85	179	136
L^*, C^*_{ab}, h_{ab}	59.5	20.4	166.6	63.5	29.0	164.6	66.9	29.2	158.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	12.1	12.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
293	0.375	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	62.5	10.9	217.0	−8.6	−6.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
293	0.375	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	63.7	18.2	196.7	−17.3	−5.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.25	g50b	c08v		0.0	0.925	1.0	0.375	0.606	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.25	g31b	c00v		0.0	1.0	0.63	0.375	0.625	0.533

3 Colours no. *j*=293

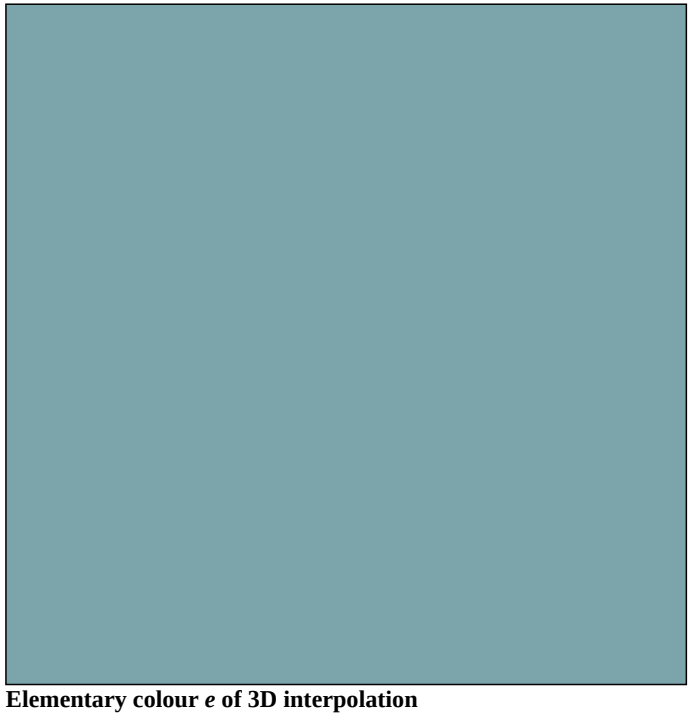
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.625	0.375	0.606	0.625	0.484	0.644	0.669
$rgb^*_{Fa,\ 8bit}$	96	159	159	96	155	159	123	164	171
L^*, C^*_{ab}, h_{ab}	59.9	16.4	202.8	62.5	10.9	217.0	63.5	8.2	207.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	3.2	3.2	

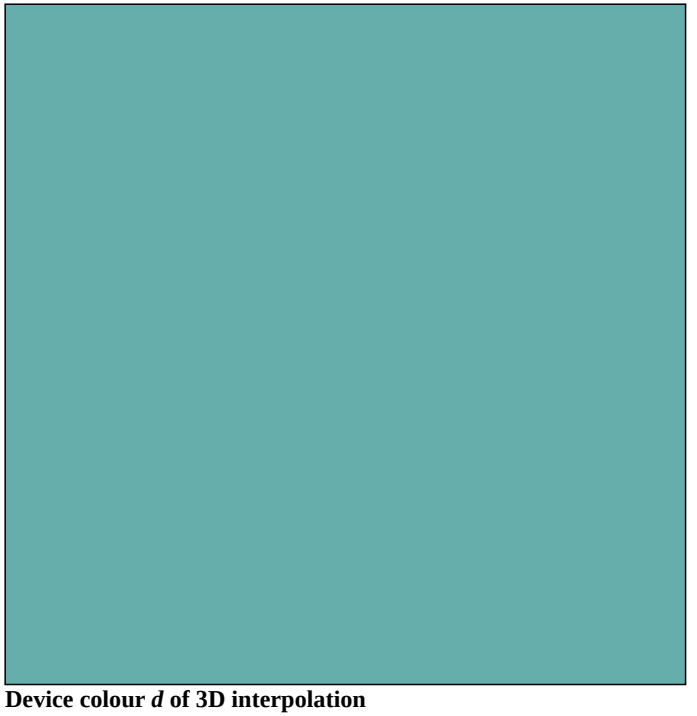
3 Colours no. *j*=293

output of the device colour *d*:

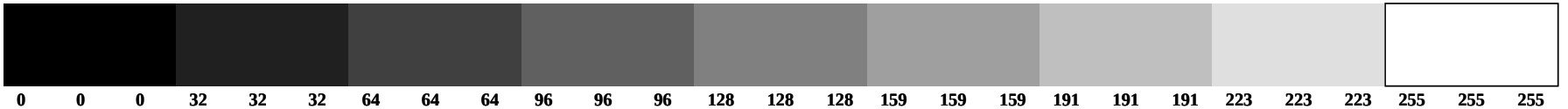
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.625	0.375	0.625	0.533	0.398	0.684	0.675
$olv^*_{Fa,\ 8bit}$	96	159	159	96	159	136	101	174	172
L^*, C^*_{ab}, h_{ab}	59.9	16.4	202.8	63.7	18.2	196.7	67.5	15.7	195.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.6	4.6	3D−in:	7.9	7.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
294	0.375	0.625	0.75	229.1	74.4	42.6	234.4	−24.7	−34.6	68.1	16.0	234.4	−9.2	−12.9	0.25	0.375	g66b	c15v		0.0	0.854	1.0	0.375	0.695	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
294	0.375	0.625	0.75	229.1	67.5	47.2	230.9	−29.7	−36.6	65.5	17.7	230.9	−11.1	−13.6	0.25	0.375	g62b	c32v		0.0	0.746	1.0	0.375	0.655	0.75

3 Colours no. *j*=294

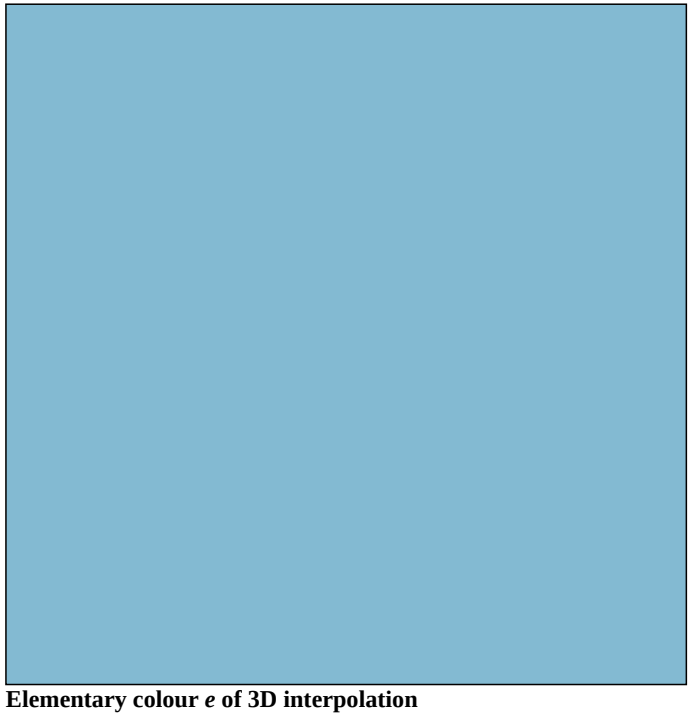
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.75	0.375	0.695	0.75	0.513	0.729	0.824
$rgb^*_{Fa,\ 8bit}$	96	159	191	96	177	191	131	186	210
L^*, C^*_{ab}, h_{ab}	60.5	19.8	240.8	68.1	16.0	234.4	69.3	13.1	227.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−it:	3.5	3.5	

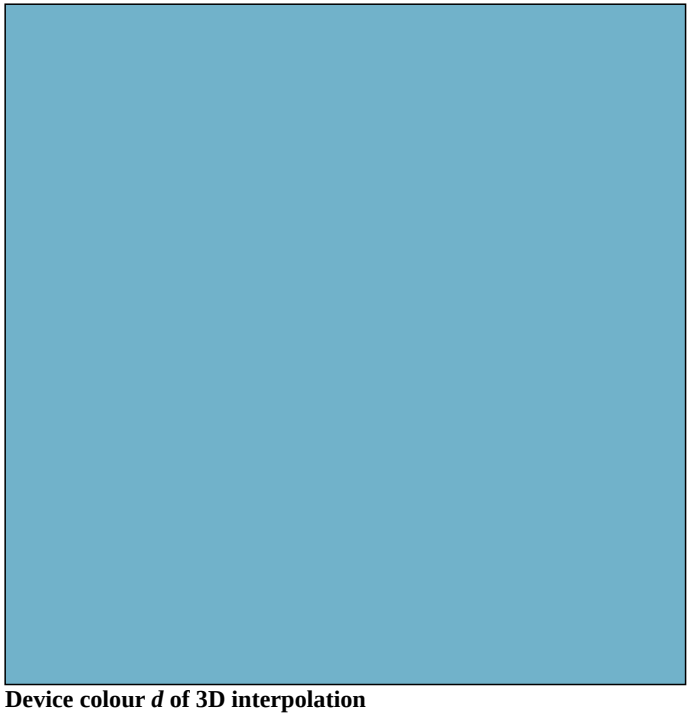
3 Colours no. *j*=294

output of the device colour *d*:

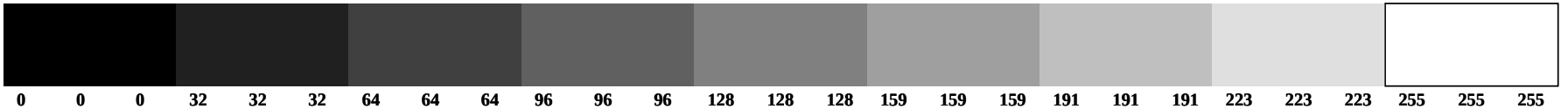
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.75	0.375	0.655	0.75	0.444	0.697	0.792
$olv^*_{Fa,\ 8bit}$	96	159	191	96	167	191	113	178	202
L^*, C^*_{ab}, h_{ab}	60.5	19.8	240.8	65.5	17.7	230.9	69.3	14.8	229.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−in:	10.6	10.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
295	0.375	0.625	0.875	240.0	71.1	44.7	244.4	−19.3	−40.2	73.5	22.4	244.4	−9.6	−20.1	0.125	0.5	g75b	c20v		0.0	0.802	1.0	0.375	0.776	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
295	0.375	0.625	0.875	240.0	49.5	79.9	250.4	−26.7	−75.1	62.8	39.9	250.4	−13.3	−37.5	0.125	0.5	g80b	c50v		0.0	0.39	1.0	0.375	0.57	0.875

3 Colours no. *j*=295

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.875	0.375	0.776	0.875	0.524	0.804	0.926
$rgb^*_{Fa,\ 8bit}$	96	159	223	96	198	223	134	205	236
L^*, C^*_{ab}, h_{ab}	61.3	29.3	263.6	73.5	22.4	244.4	77.8	18.9	239.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.4	16.4	3D−it:	5.7	5.7	

3 Colours no. *j*=295

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.875	0.375	0.57	0.875	0.058	0.676	0.925
$olv^*_{Fa,\ 8bit}$	96	159	223	96	145	223	15	172	236
L^*, C^*_{ab}, h_{ab}	61.3	29.3	263.6	62.8	39.9	250.4	66.3	35.4	247.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.3	13.3	3D−in:	11.8	11.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
296	0.375	0.625	1.0	246.6	69.1	46.0	250.4	−15.4	−43.3	79.0	28.8	250.4	−9.6	−27.0	0.0	0.625	g80b	c23v		0.0	0.771	1.0	0.375	0.857	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
296	0.375	0.625	1.0	246.6	39.5	106.9	262.2	−14.4	−105.8	60.4	66.8	262.2	−9.0	−66.1	0.0	0.625	g90b	c61v		0.0	0.174	1.0	0.375	0.484	1.0

3 Colours no. *j*=296

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.625	1.0	0.375	0.857	1.0	0.551	0.875	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	159	255	96	218	255	140	223	255
L^*, C^*_{ab}, h_{ab}	63.5	53.1	281.3	79.0	28.8	250.4	79.5	27.5	254.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.6	35.6	3D−it:	2.6	2.6	

3 Colours no. *j*=296

output of the device colour *d*:

rgb input (in):									
	0.375	0.625	1.0	0.375	0.484	1.0	0.0	0.624	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	159	255	96	123	255	0	159	255
L^*, C^*_{ab}, h_{ab}	63.5	53.1	281.3	60.4	66.8	262.2	61.5	55.6	272.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	24.2	24.2	3D−in:	9.1	9.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
297	0.375	0.75	0.0	120.0	85.7	111.8	127.3	−67.6	89.0	68.7	83.8	127.3	−50.7	66.7	0.25	0.75	j49g	y61l		0.385	1.0	0.0	0.289	0.75	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
297	0.375	0.75	0.0	120.0	87.6	105.9	117.1	−48.2	94.2	70.1	79.4	117.1	−36.1	70.6	0.25	0.75	j35g	y50l		0.645	1.0	0.0	0.484	0.75	0.0

3 Colours no. *j*=297

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.0	0.289	0.75	0.0	0.342	0.802	0.03
$rgb^*_{Fa,\ 8bit}$	96	191	0	74	191	0	87	205	8
L^*, C^*_{ab}, h_{ab}	65.5	78.7	124.6	68.7	83.8	127.3	73.9	82.4	125.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−it:	6.0	6.0	

3 Colours no. *j*=297

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.0	0.484	0.75	0.0	0.548	0.793	0.003
$olv^*_{Fa,\ 8bit}$	96	191	0	123	191	0	140	202	1
L^*, C^*_{ab}, h_{ab}	65.5	78.7	124.6	70.1	79.4	117.1	73.5	82.7	115.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−in:	15.5	15.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
298	0.375	0.75	0.125	126.6	84.4	111.1	134.9	−78.4	78.6	69.1	69.4	134.9	−48.9	49.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
298	0.375	0.75	0.125	126.6	87.2	106.9	120.5	−54.2	92.1	70.8	66.8	120.5	−33.8	57.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.625	j60g	l14c		0.0	1.0	0.139	0.125	0.75	0.212
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.625	j40g	y61l		0.597	1.0	0.0	0.498	0.75	0.125

3 Colours no. *j*=298

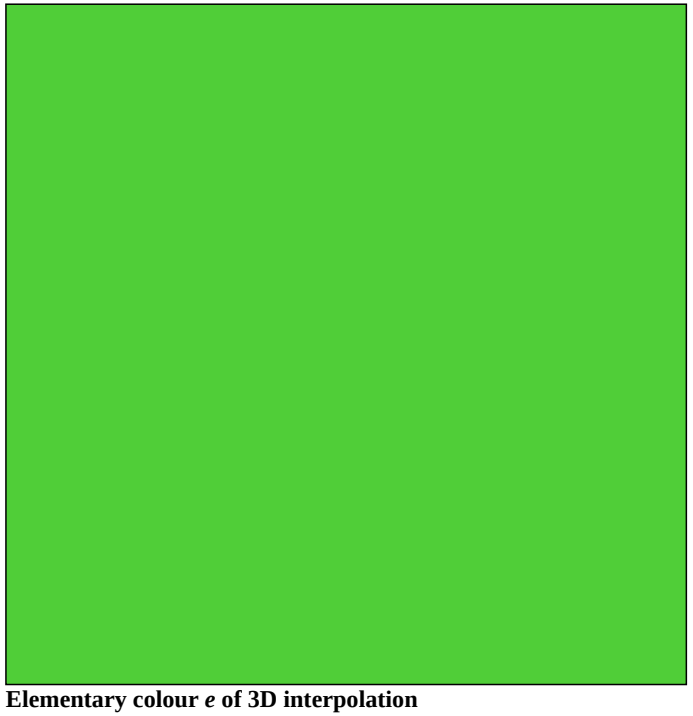
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.125	0.125	0.75	0.212	0.313	0.807	0.22
$rgb^*_{Fa,\ 8bit}$	96	191	32	32	191	54	80	206	56
L^*, C^*_{ab}, h_{ab}	65.6	71.1	127.4	69.1	69.4	134.9	75.1	69.1	128.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−it:	9.8	9.8	

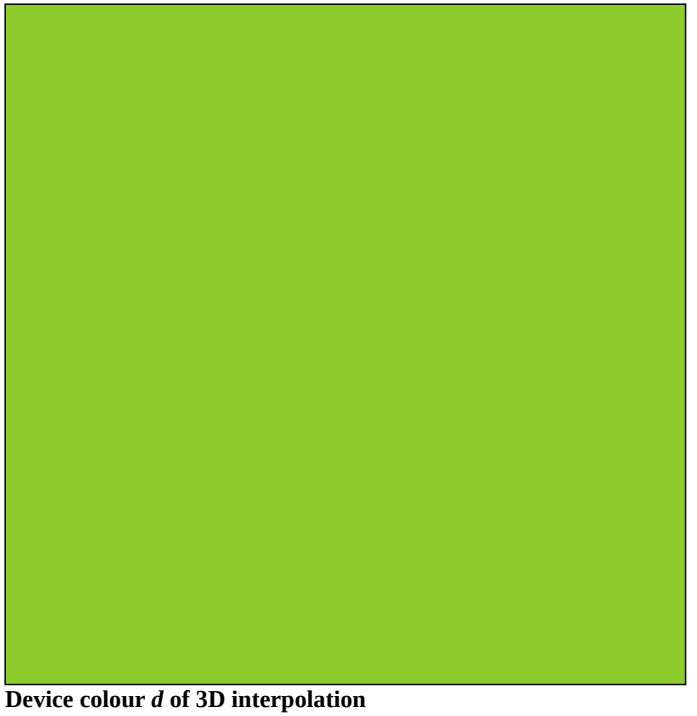
3 Colours no. *j*=298

output of the device colour *d*:

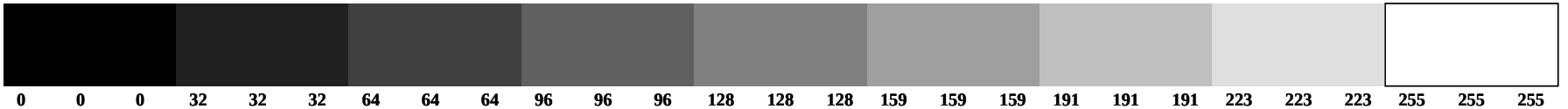
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.125	0.498	0.75	0.125	0.555	0.8	0.176
$olv^*_{Fa,\ 8bit}$	96	191	32	127	191	32	142	204	45
L^*, C^*_{ab}, h_{ab}	65.6	71.1	127.4	70.8	66.8	120.5	74.8	67.4	119.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	13.6	13.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

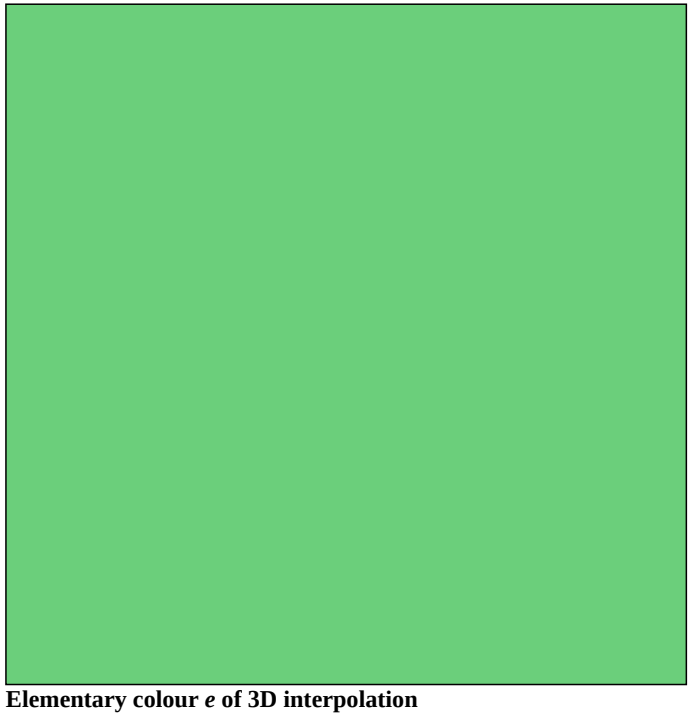
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
299	0.375	0.75	0.25	136.1	84.9	85.4	146.0	−70.8	47.8	70.7	42.7	146.0	−35.3	23.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
299	0.375	0.75	0.25	136.1	86.7	108.4	125.4	−62.7	88.4	71.6	54.2	125.4	−31.3	44.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.5	j76g	l45c		0.0	1.0	0.449	0.25	0.75	0.474
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.5	j47g	y77l		0.527	1.0	0.0	0.513	0.75	0.25

3 Colours no. *j*=299

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.25	0.25	0.75	0.474	0.419	0.81	0.484
$rgb^*_{Fa,\ 8bit}$	96	191	64	64	191	121	107	206	123
L^*, C^*_{ab}, h_{ab}	65.8	56.8	134.2	70.7	42.7	146.0	76.0	43.8	138.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.0	18.0	3D−it:	7.8	7.8	

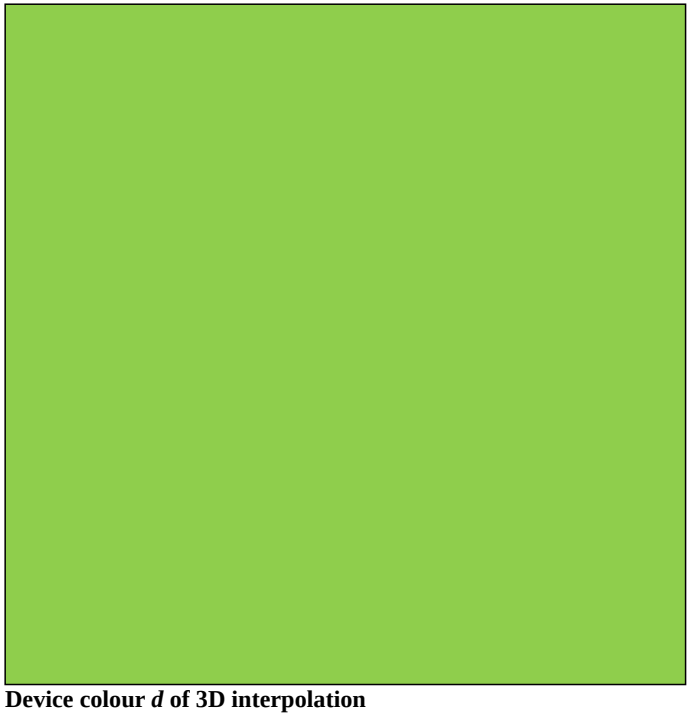


Elementary colour *e* of 3D interpolation

3 Colours no. *j*=299

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.25	0.513	0.75	0.25	0.559	0.808	0.299
$olv^*_{Fa,\ 8bit}$	96	191	64	131	191	64	143	206	76
L^*, C^*_{ab}, h_{ab}	65.8	56.8	134.2	71.6	54.2	125.4	76.1	55.2	124.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	14.1	14.1	



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
300	0.375	0.75	0.375	150.0	85.7	63.5	162.2	−60.4	19.4	72.3	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
300	0.375	0.75	0.375	150.0	86.0	110.8	132.5	−74.7	81.7	72.4	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.375	j99g	l77c		0.0	1.0	0.774	0.375	0.75	0.665
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.375	j57g	y100l		0.425	1.0	0.0	0.534	0.75	0.375

3 Colours no. *j*=300

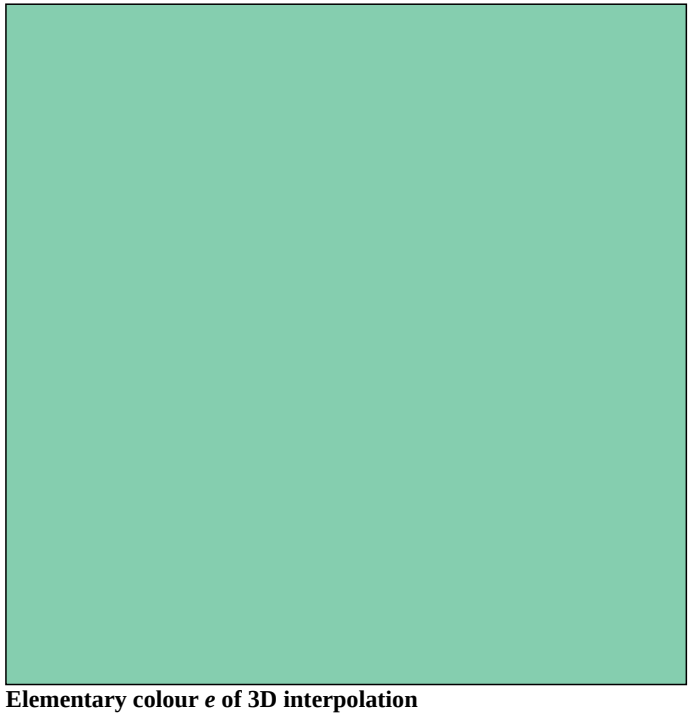
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.375	0.375	0.75	0.665	0.521	0.809	0.687
$rgb^*_{Fa,\ 8bit}$	96	191	96	96	191	170	133	206	175
L^*, C^*_{ab}, h_{ab}	66.1	45.2	142.3	72.3	23.8	162.2	76.5	21.3	158.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.0	25.0	3D−it:	5.1	5.1	

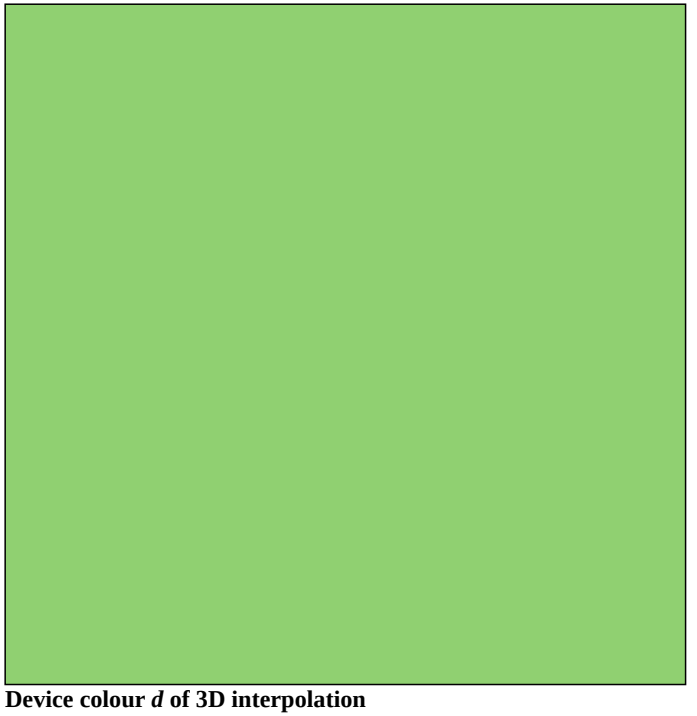
3 Colours no. *j*=300

output of the device colour *d*:

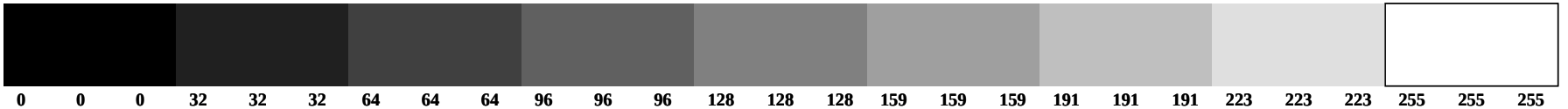
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.375	0.534	0.75	0.375	0.563	0.815	0.444
$olv^*_{Fa,\ 8bit}$	96	191	96	136	191	96	144	208	113
L^*, C^*_{ab}, h_{ab}	66.1	45.2	142.3	72.4	41.5	132.5	76.9	41.9	131.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	14.1	14.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
301	0.375	0.75	0.5	169.1	86.5	53.1	179.7	−53.0	0.3	72.6	19.9	179.7	−19.8	0.1	0.25	0.375	g16b	l92c		0.0	1.0	0.921	0.375	0.75	0.72
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
301	0.375	0.75	0.5	169.1	84.6	116.8	152.9	−103.9	53.2	71.9	43.8	152.9	−38.9	19.9	0.25	0.375	j86g	l32c		0.133	1.0	0.0	0.425	0.75	0.375

3 Colours no. *j*=301

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.5	0.375	0.75	0.72	0.518	0.81	0.768
$rgb^*_{Fa,\ 8bit}$	96	191	128	96	191	184	132	207	196
L^*, C^*_{ab}, h_{ab}	66.5	35.1	153.8	72.6	19.9	179.7	78.1	16.9	172.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.2	20.2	3D−it:	6.7	6.7	

3 Colours no. *j*=301

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.5	0.425	0.75	0.375	0.359	0.833	0.542
$olv^*_{Fa,\ 8bit}$	96	191	128	108	191	96	92	212	138
L^*, C^*_{ab}, h_{ab}	66.5	35.1	153.8	71.9	43.8	152.9	74.9	44.8	149.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−in:	13.2	13.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
302	0.375	0.75	0.625	190.9	86.3	46.0	199.5	−43.3	−15.3	72.6	17.3	199.5	−16.2	−5.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
302	0.375	0.75	0.625	190.9	84.6	100.4	176.3	−100.16.5		71.9	37.6	176.3	−37.5	2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.375	g33b	c01v		0.0	0.989	1.0	0.375	0.746	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.375	g13b	l68c		0.0	1.0	0.256	0.375	0.75	0.471

3 Colours no. *j*=302

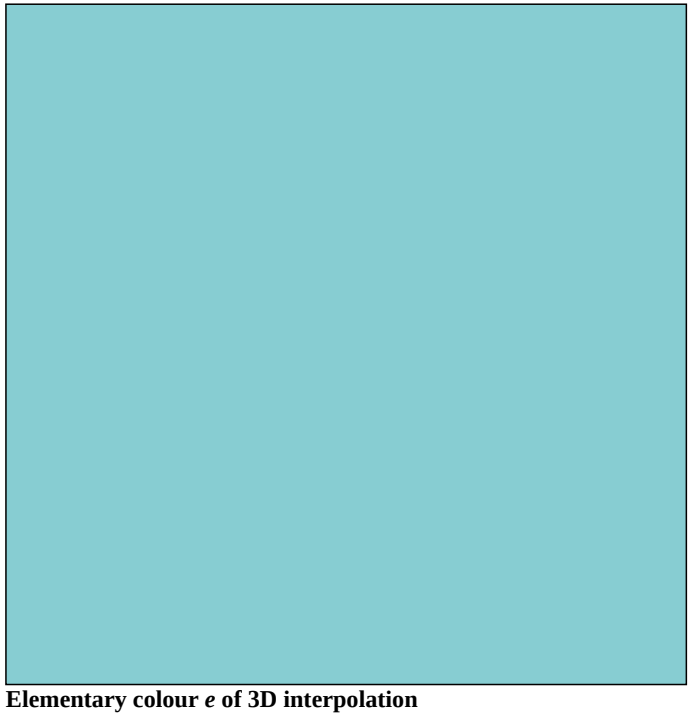
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.625	0.375	0.746	0.75	0.528	0.803	0.824
$rgb^*_{Fa,\ 8bit}$	96	191	159	96	190	191	135	205	210
L^*, C^*_{ab}, h_{ab}	66.9	27.5	170.6	72.6	17.3	199.5	76.5	15.9	195.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−it:	4.3	4.3	

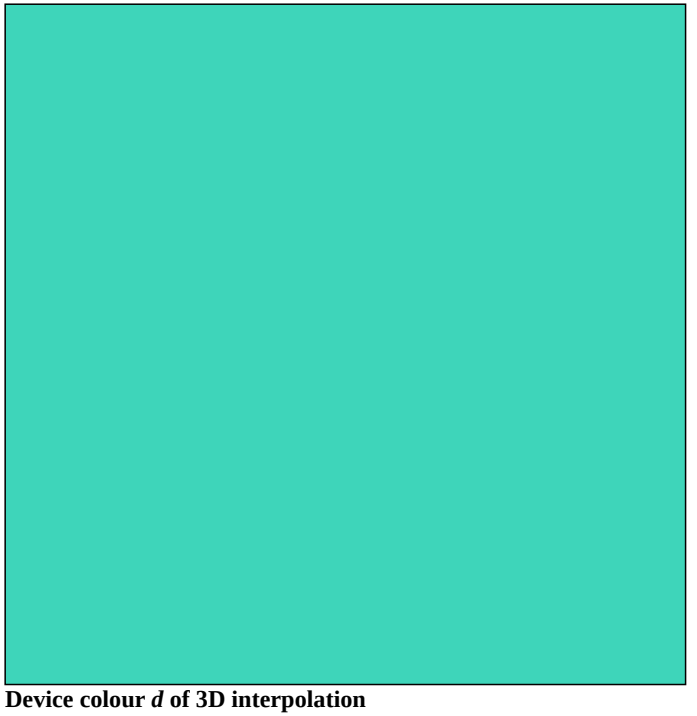
3 Colours no. *j*=302

output of the device colour *d*:

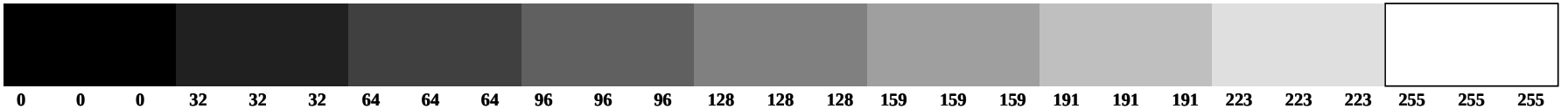
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.625	0.375	0.75	0.471	0.243	0.837	0.73
$olv^*_{Fa,\ 8bit}$	96	191	159	96	191	120	62	213	186
L^*, C^*_{ab}, h_{ab}	66.9	27.5	170.6	71.9	37.6	176.3	75.3	35.6	170.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.8	11.8	3D−in:	11.8	11.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
303	0.375	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	70.3	16.4	217.0	−13.0	−9.7	0.25	0.375	g50b	c08v		0.0	0.925	1.0	0.375	0.722	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
303	0.375	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	72.2	27.3	196.7	−26.0	−7.8	0.25	0.375	g31b	c00v		0.0	1.0	0.63	0.375	0.75	0.611

3 Colours no. *j*=303

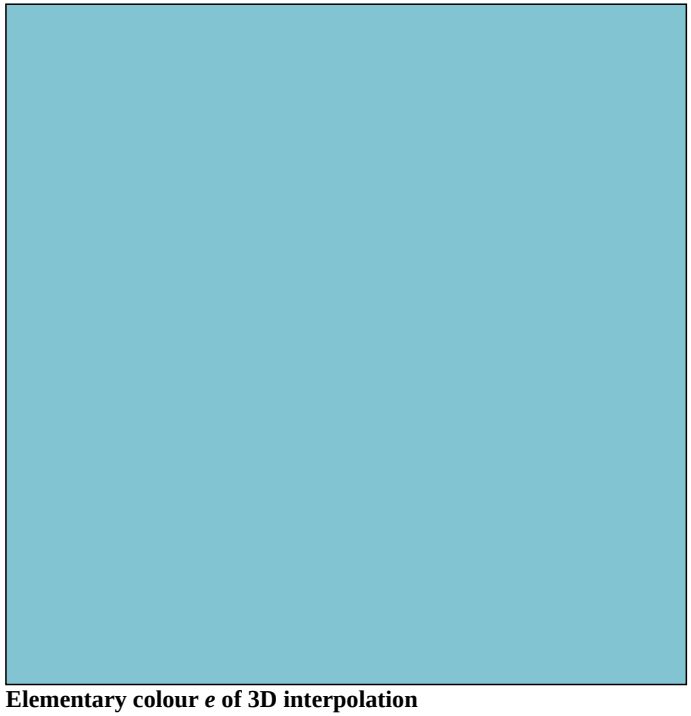
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.75	0.375	0.722	0.75	0.514	0.767	0.829
$rgb^*_{Fa,\ 8bit}$	96	191	191	96	184	191	131	196	211
L^*, C^*_{ab}, h_{ab}	67.4	22.9	196.2	70.3	16.4	217.0	72.0	11.7	201.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−it:	6.2	6.2	

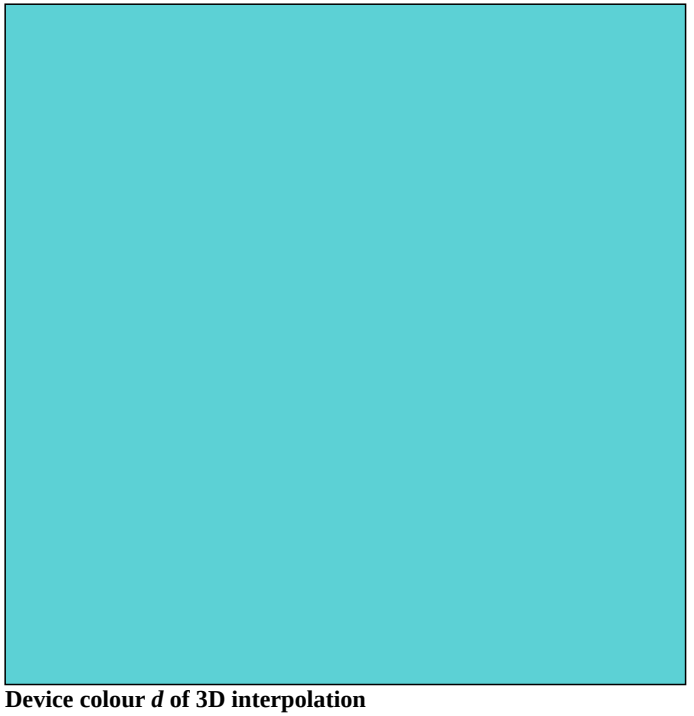
3 Colours no. *j*=303

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.75	0.375	0.75	0.611	0.359	0.82	0.836
$olv^*_{Fa,\ 8bit}$	96	191	191	96	191	156	91	209	213
L^*, C^*_{ab}, h_{ab}	67.4	22.9	196.2	72.2	27.3	196.7	76.9	23.9	189.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−in:	9.9	9.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
304	0.375	0.75	0.875	223.9	75.9	41.9	229.7	−27.0	−31.8	76.0	20.9	229.7	−13.4	−15.9	0.125	0.5	g61b	c12v		0.0	0.878	1.0	0.375	0.814	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
304	0.375	0.75	0.875	223.9	79.5	43.3	221.6	−32.3	−28.6	77.7	21.6	221.6	−16.1	−14.3	0.125	0.5	g54b	c23v		0.0	0.916	1.0	0.375	0.833	0.875

3 Colours no. *j*=304

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.75	0.875	0.375	0.814	0.875	0.537	0.843	0.925
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	191	223	96	208	223	137	215	236
L^*, C^*_{ab}, h_{ab}	68.0	24.4	229.0	76.0	20.9	229.7	82.6	18.4	238.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.7	8.7	3D−it:	7.7	7.7

linear interpolation (it): | 3D interpolation (3D):

3 Colours no. *j*=304

output of the device colour *d*:

rgb input (in):									
	0.375	0.75	0.875	0.375	0.833	0.875	0.538	0.871	0.931
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	191	223	96	212	223	137	222	237
L^*, C^*_{ab}, h_{ab}	68.0	24.4	229.0	77.7	21.6	221.6	78.5	9.7	204.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.5	10.5	3D−in:	19.2	19.2

linear interpolation (it): | 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
305	0.375	0.75	1.0	233.4	73.1	43.5	238.4	−22.7	−36.9	81.4	27.2	238.4	−14.1	−23.0	0.0	0.625	g69b	c17v		0.0	0.834	1.0	0.375	0.896	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
305	0.375	0.75	1.0	233.4	60.1	58.1	238.6	−30.1	−49.5	73.3	36.3	238.6	−18.8	−30.9	0.0	0.625	g69b	c39v		0.0	0.605	1.0	0.375	0.753	1.0

3 Colours no. *j*=305

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.75	1.0	0.375	0.896	1.0	0.547	0.904	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	191	255	96	229	255	140	231	255
L^*, C^*_{ab}, h_{ab}	69.9	41.7	265.8	81.4	27.2	238.4	84.5	22.2	236.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	24.5	24.5	3D−it:	5.8	5.8	

3 Colours no. *j*=305

output of the device colour *d*:

rgb input (in):									
	0.375	0.75	1.0	0.375	0.753	1.0	0.248	0.826	0.976
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	191	255	96	192	255	63	211	249
L^*, C^*_{ab}, h_{ab}	69.9	41.7	265.8	73.3	36.3	238.6	77.4	34.1	239.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.4	19.4	3D−in:	20.4	20.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
306	0.375	0.875	0.0	124.7	84.4	117.3	132.8	−79.5	86.1	76.0	102.7	132.8	−69.6	75.4	0.125	0.875	j57g	l02c		0.0	1.0	0.016	0.0	0.875	0.014
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
306	0.375	0.875	0.0	124.7	87.3	106.6	119.6	−52.5	92.7	78.6	93.3	119.6	−45.9	81.1	0.125	0.875	j39g	y58l		0.61	1.0	0.0	0.534	0.875	0.0

3 Colours no. *j*=306

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.875	0.0	0.0	0.875	0.014	0.138	0.912	0.028
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	96	223	0	0	223	4	35	233	7
L^*, C^*_{ab}, h_{ab}	73.8	92.8	126.4	76.0	102.7	132.8	79.8	103.3	130.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.8	14.8	3D−it:	5.4	5.4	

3 Colours no. *j*=306

output of the device colour *d*:

rgb input (in):									
	0.375	0.875	0.0	0.534	0.875	0.0	0.575	0.908	0.0
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	96	223	0	136	223	0	147	231	0
L^*, C^*_{ab}, h_{ab}	73.8	92.8	126.4	78.6	93.3	119.6	82.4	97.0	117.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−in:	17.6	17.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
307	0.375	0.875	0.125	130.9	84.6	98.1	140.0	−75.0	63.1	77.6	73.6	140.0	−56.2	47.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
307	0.375	0.875	0.125	130.9	87.0	107.6	122.7	−58.0	90.5	79.4	80.7	122.7	−43.5	67.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.75	j67g	l29c		0.0	1.0	0.285	0.125	0.875	0.339
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.75	j43g	y68l		0.565	1.0	0.0	0.549	0.875	0.125

3 Colours no. *j*=307

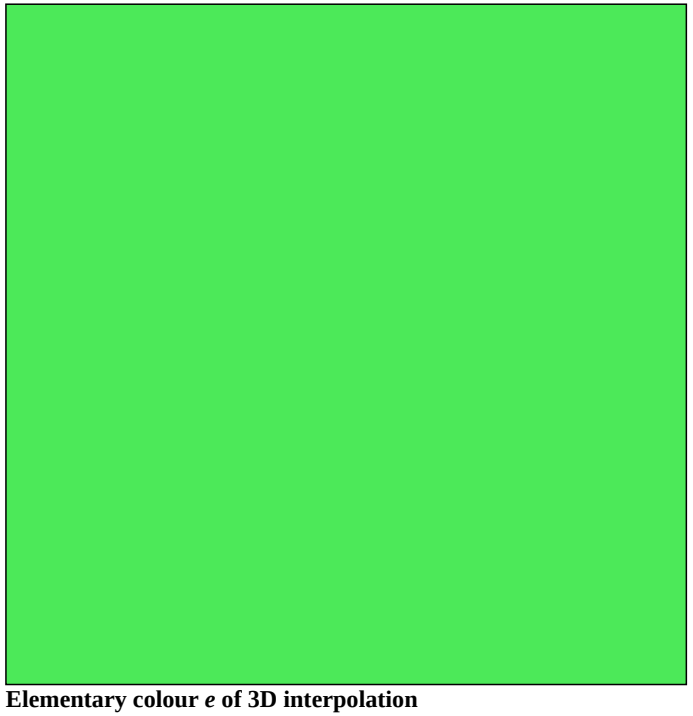
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.875	0.125	0.125	0.875	0.339	0.299	0.915	0.348
$rgb^*_{Fa,\ 8bit}$	96	223	32	32	223	86	76	233	89
L^*, C^*_{ab}, h_{ab}	73.9	86.0	128.6	77.6	73.6	140.0	81.2	72.8	134.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.4	20.4	3D−it:	8.4	8.4	

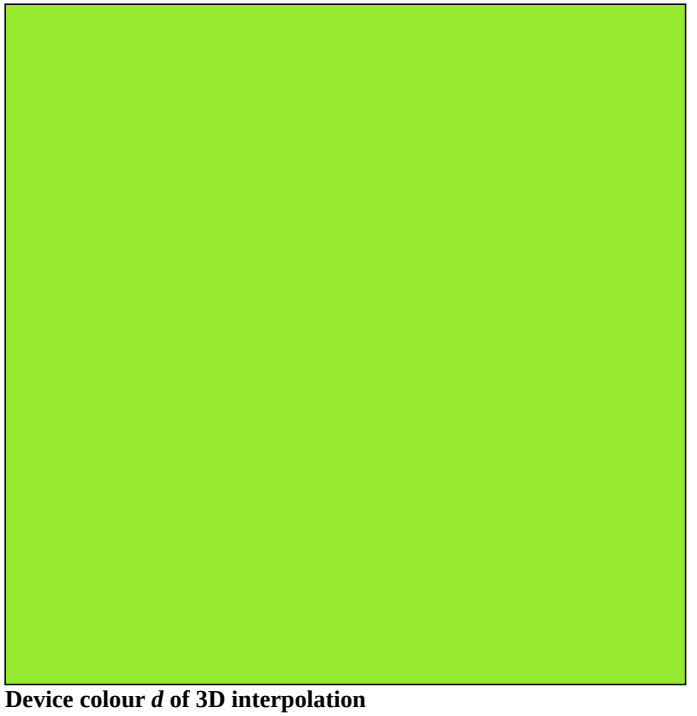
3 Colours no. *j*=307

output of the device colour *d*:

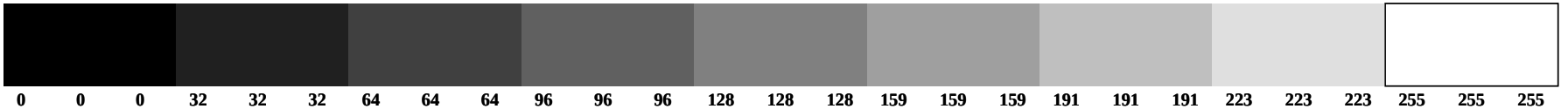
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.875	0.125	0.549	0.875	0.125	0.586	0.913	0.184
$olv^*_{Fa,\ 8bit}$	96	223	32	140	223	32	149	233	47
L^*, C^*_{ab}, h_{ab}	73.9	86.0	128.6	79.4	80.7	122.7	83.8	80.2	120.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−in:	16.1	16.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
308	0.375	0.875	0.25	139.1	85.1	79.3	149.5	−68.3	40.2	79.2	49.6	149.5	−42.6	25.1	0.125	0.625	j81g	l53c		0.0	1.0	0.533	0.25	0.875	0.583
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
308	0.375	0.875	0.25	139.1	86.5	108.9	126.9	−65.3	87.0	80.1	68.0	126.9	−40.8	54.4	0.125	0.625	j49g	y82l		0.505	1.0	0.0	0.566	0.875	0.25

3 Colours no. *j*=308

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.875	0.25	0.25	0.875	0.583	0.428	0.917	0.607
$rgb^*_{Fa,\ 8bit}$	96	223	64	64	223	149	109	234	155
L^*, C^*_{ab}, h_{ab}	74.1	72.8	134.0	79.2	49.6	149.5	83.9	50.3	146.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	28.8	28.8	3D−it:	5.4	5.4

3 Colours no. *j*=308

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.875	0.25	0.566	0.875	0.25	0.594	0.918	0.318
$olv^*_{Fa,\ 8bit}$	96	223	64	144	223	64	151	234	81
L^*, C^*_{ab}, h_{ab}	74.1	72.8	134.0	80.1	68.0	126.9	85.1	67.1	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.6	11.6	3D−in:	16.4	16.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
309	0.375	0.875	0.375	150.0	85.7	63.5	162.2	−60.4	19.4	80.8	31.8	162.2	−30.1	9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
309	0.375	0.875	0.375	150.0	86.0	110.8	132.5	−74.7	81.7	81.0	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.5	j99g	l77c		0.0	1.0	0.774	0.375	0.875	0.762
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.5	j57g	y100l		0.425	1.0	0.0	0.588	0.875	0.375

3 Colours no. *j*=309

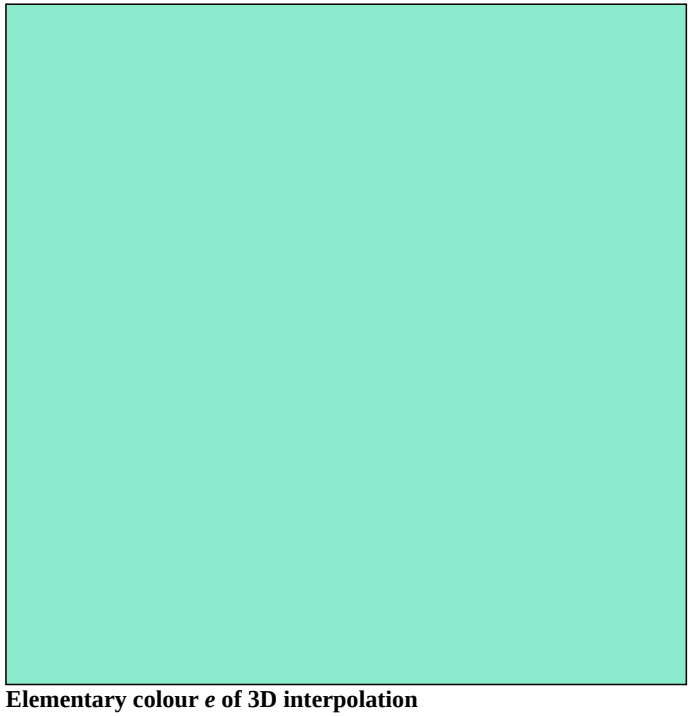
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.875	0.375	0.375	0.875	0.762	0.542	0.917	0.8
$rgb^*_{Fa,\ 8bit}$	96	223	96	96	223	194	138	234	204
L^*, C^*_{ab}, h_{ab}	74.3	61.7	140.0	80.8	31.8	162.2	85.3	30.9	158.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.1	35.1	3D−it:	5.1	5.1	

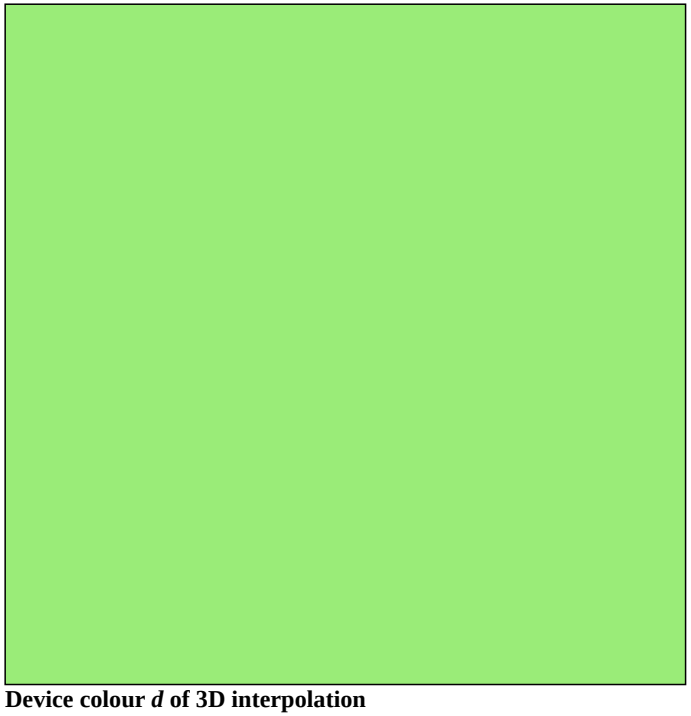
3 Colours no. *j*=309

output of the device colour *d*:

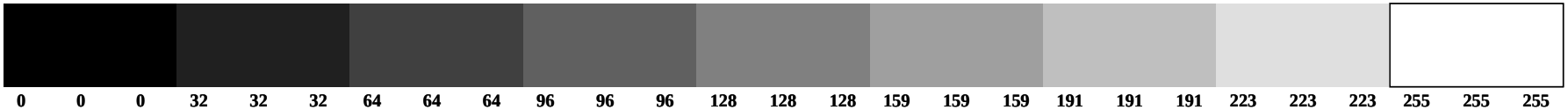
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.875	0.375	0.588	0.875	0.375	0.602	0.924	0.47
$olv^*_{Fa,\ 8bit}$	96	223	96	150	223	96	154	236	120
L^*, C^*_{ab}, h_{ab}	74.3	61.7	140.0	81.0	55.4	132.5	85.4	54.0	126.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	19.4	19.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
310	0.375	0.875	0.5	163.9	86.3	55.0	174.9	−54.6	4.9	81.1	27.5	174.9	−27.3	2.4	0.125	0.5	g11b	l90c		0.0	1.0	0.898	0.375	0.875	0.824
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
310	0.375	0.875	0.5	163.9	84.9	115.3	147.4	−97.0	62.2	80.4	57.7	147.4	−48.5	31.1	0.125	0.5	j78g	l23c		0.213	1.0	0.0	0.481	0.875	0.375

3 Colours no. *j*=310

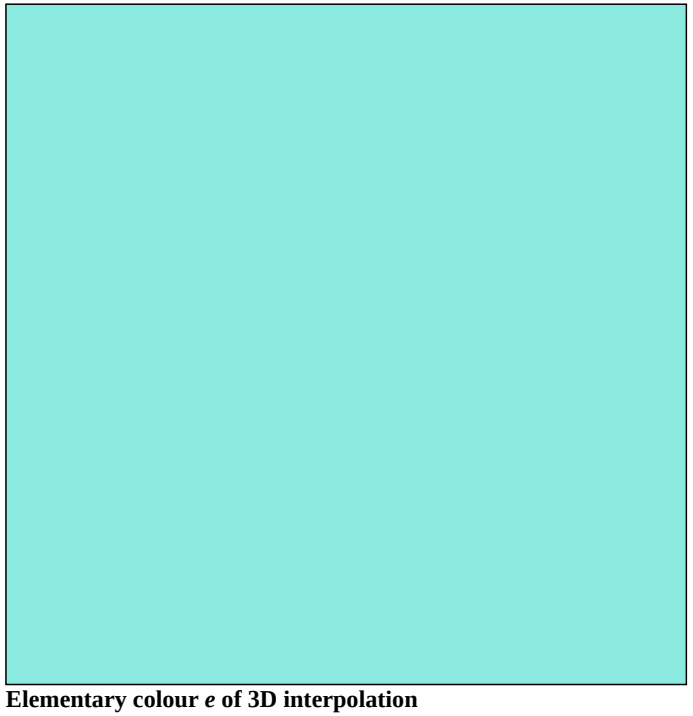
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.875	0.5	0.375	0.875	0.824	0.542	0.918	0.875
$rgb^*_{Fa,\ 8bit}$	96	223	128	96	223	210	138	234	223
L^*, C^*_{ab}, h_{ab}	74.6	51.7	147.4	81.1	27.5	174.9	85.4	25.2	159.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	30.8	30.8	3D−it:	8.7	8.7	

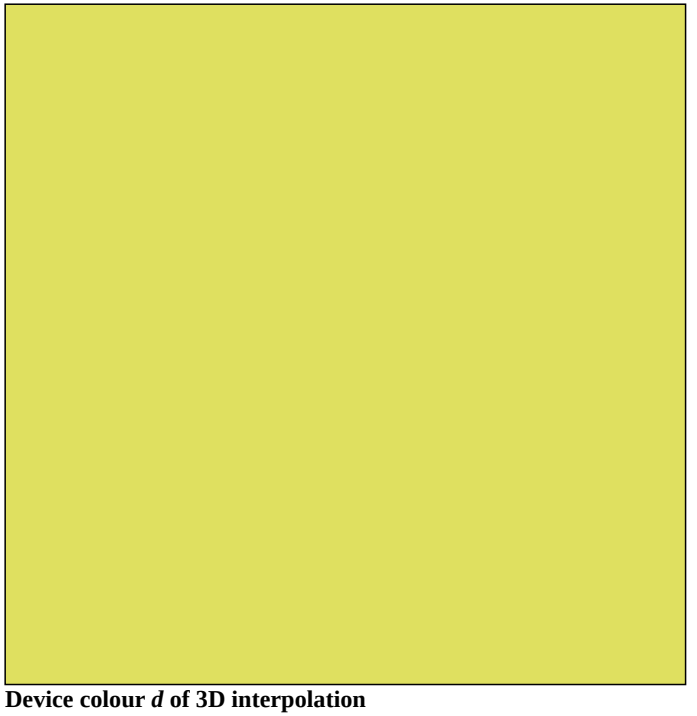
3 Colours no. *j*=310

output of the device colour *d*:

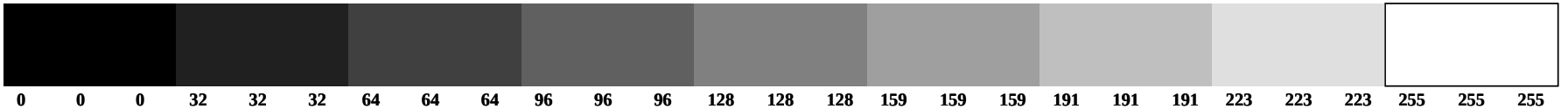
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.875	0.5	0.481	0.875	0.375	0.875	0.878	0.378
$olv^*_{Fa,\ 8bit}$	96	223	128	123	223	96	223	224	96
L^*, C^*_{ab}, h_{ab}	74.6	51.7	147.4	80.4	57.7	147.4	80.7	57.6	146.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	8.6	8.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
311	0.375	0.875	0.625	180.0	87.0	49.2	189.6	−48.4	−8.1	81.5	24.6	189.6	−24.1	−4.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
311	0.375	0.875	0.625	180.0	84.4	116.1	164.6	−111.8	30.8	80.2	58.0	164.6	−55.9	15.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.5	g24b	l97c		0.0	1.0	0.967	0.375	0.875	0.858
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.5	g02b	l50c		0.0	1.0	0.043	0.375	0.875	0.397

3 Colours no. *j*=311

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.875	0.625	0.375	0.875	0.858	0.542	0.917	0.91
$rgb^*_{Fa,\ 8bit}$	96	223	159	96	223	219	138	234	232
L^*, C^*_{ab}, h_{ab}	74.9	43.0	156.8	81.5	24.6	189.6	86.0	23.9	189.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	26.8	26.8	3D−it:	4.6	4.6

3 Colours no. *j*=311

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.875	0.625	0.375	0.875	0.397	0.0	0.945	0.727
$olv^*_{Fa,\ 8bit}$	96	223	159	96	223	101	0	241	185
L^*, C^*_{ab}, h_{ab}	74.9	43.0	156.8	80.2	58.0	164.6	86.7	54.7	158.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.3	17.3	3D−in:	16.7	16.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
312	0.375	0.875	0.75	196.1	84.7	45.4	204.3	−41.2	−18.6	80.3	22.7	204.3	−20.6	−9.2	0.125	0.5	g38b	c03v		0.0	0.972	1.0	0.375	0.861	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
312	0.375	0.875	0.75	196.1	84.8	92.3	181.8	−92.2	−2.9	80.4	46.2	181.8	−46.0	−1.4	0.125	0.5	g18b	l77c		0.0	1.0	0.358	0.375	0.875	0.554

3 Colours no. *j*=312

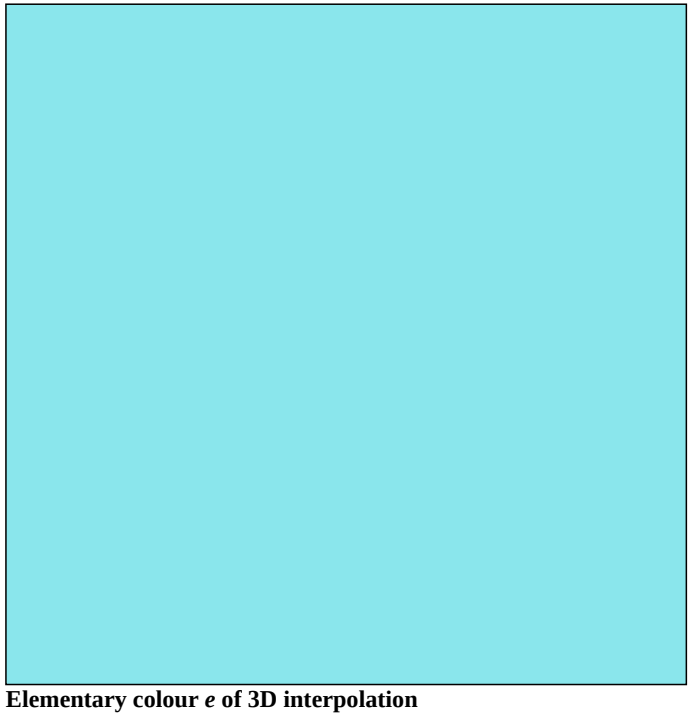
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.875	0.75	0.375	0.861	0.875	0.541	0.902	0.926
$rgb^*_{Fa,\ 8bit}$	96	223	191	96	220	223	138	230	236
L^*, C^*_{ab}, h_{ab}	75.3	35.6	170.1	80.3	22.7	204.3	83.8	18.3	192.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.7	21.7	3D−it:	6.9	6.9

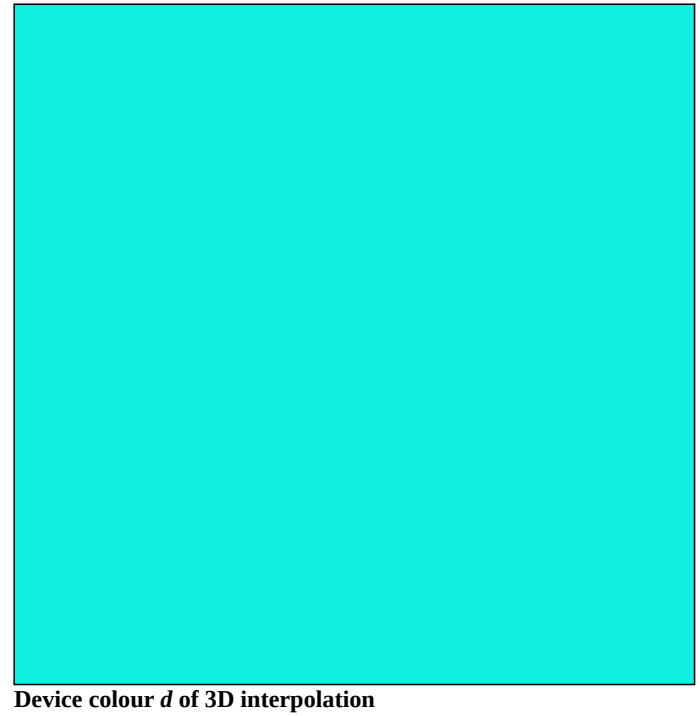
3 Colours no. *j*=312

output of the device colour *d*:

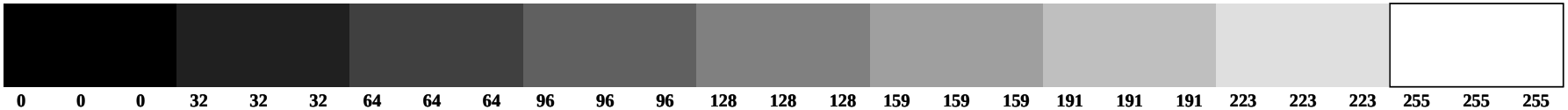
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.875	0.75	0.375	0.875	0.554	0.062	0.938	0.887
$olv^*_{Fa,\ 8bit}$	96	223	191	96	223	141	16	239	226
L^*, C^*_{ab}, h_{ab}	75.3	35.6	170.1	80.4	46.2	181.8	86.2	40.5	173.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.3	14.3	3D−in:	12.1	12.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
313	0.375	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	78.1	21.8	217.0	−17.3	−13.0	0.125	0.5	g50b	c08v		0.0	0.925	1.0	0.375	0.837	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
313	0.375	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	80.6	36.4	196.7	−34.8	−10.4	0.125	0.5	g31b	c00v		0.0	1.0	0.63	0.375	0.875	0.69

3 Colours no. *j*=313

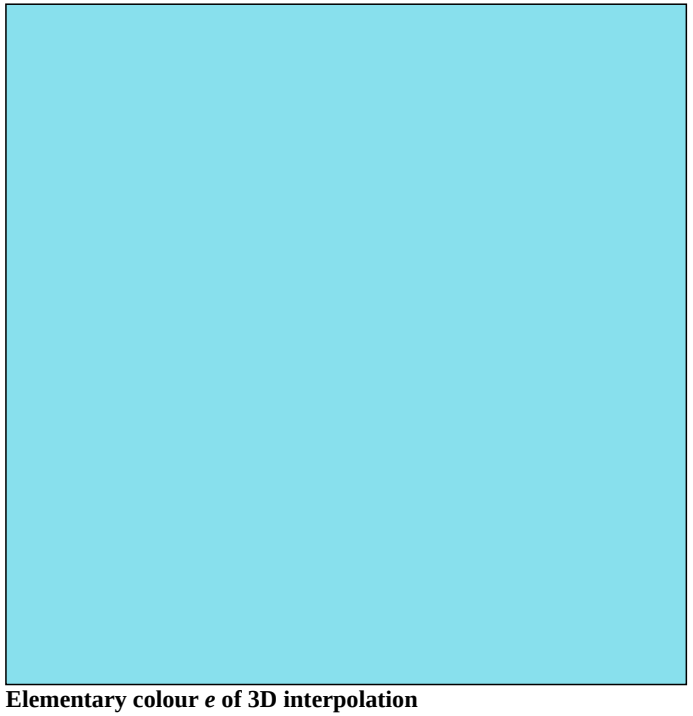
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.875	0.875	0.375	0.837	0.875	0.535	0.878	0.928
$rgb^*_{Fa,\ 8bit}$	96	223	223	96	214	223	136	224	237
L^*, C^*_{ab}, h_{ab}	75.9	30.2	191.2	78.1	21.8	217.0	79.4	12.0	199.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.4	14.4	3D−it:	11.0	11.0

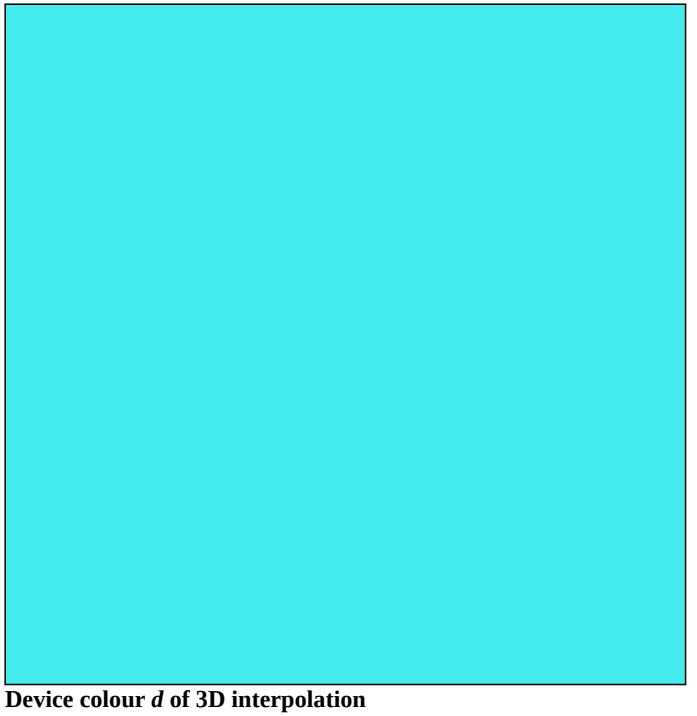
3 Colours no. *j*=313

output of the device colour *d*:

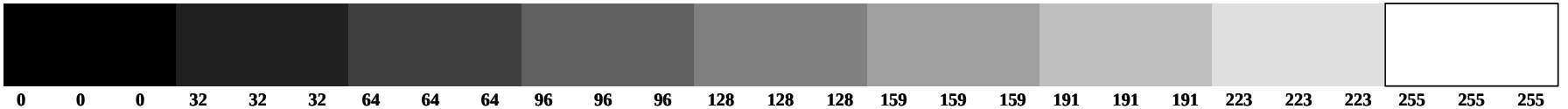
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.875	0.875	0.375	0.875	0.69	0.271	0.926	0.933
$olv^*_{Fa,\ 8bit}$	96	223	223	96	223	176	69	236	238
L^*, C^*_{ab}, h_{ab}	75.9	30.2	191.2	80.6	36.4	196.7	85.4	30.2	191.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.4	8.4	3D−in:	9.4	9.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
314	0.375	0.875	1.0	220.9	76.9	42.3	226.9	−28.8	−30.8	83.8	26.4	226.9	−17.9	−19.2	0.0	0.625	g59b	c11v		0.0	0.888	1.0	0.375	0.93	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
314	0.375	0.875	1.0	220.9	87.2	47.6	216.2	−38.3	−28.0	90.3	29.7	216.2	−23.9	−17.5	0.0	0.625	g48b	c18v		0.0	1.0	0.986	0.375	1.0	0.991

3 Colours no. *j*=314

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.875	1.0	0.375	0.93	1.0	0.554	0.931	1.0
$rgb^*_{Fa,\ 8bit}$	96	223	255	96	237	255	141	237	255
L^*, C^*_{ab}, h_{ab}	77.4	34.1	239.3	83.8	26.4	226.9	90.3	13.5	218.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.9	11.9	3D−it:	14.7	14.7

3 Colours no. *j*=314

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.875	1.0	0.375	1.0	0.991	0.575	0.999	1.0
$olv^*_{Fa,\ 8bit}$	96	223	255	96	255	253	147	255	255
L^*, C^*_{ab}, h_{ab}	77.4	34.1	239.3	90.3	29.7	216.2	90.3	24.0	200.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	18.6	18.6	3D−in:	25.1	25.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
315	0.375	1.0	0.0	128.2	84.5	106.0	136.8	−77.2	72.5	84.5	106.0	136.8	−77.2	72.5	0.0	1.0	j63g	l19c		0.0	1.0	0.195	0.0	1.0	0.195
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
315	0.375	1.0	0.0	128.2	87.1	107.1	121.4	−55.6	91.5	87.1	107.1	121.4	−55.6	91.5	0.0	1.0	j41g	y64l		0.585	1.0	0.0	0.585	1.0	0.0

3 Colours no. *j*=315

output of the elementary colour *e*:

rgb input (in):									
	0.375	1.0	0.0	0.0	1.0	0.195	0.0	1.0	0.196
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	255	0	0	255	50	0	255	50
L^*, C^*_{ab}, h_{ab}	85.7	112.0	127.5	84.5	106.0	136.8	84.8	107.6	133.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.7	18.7	3D−it:	6.5	6.5	

3 Colours no. *j*=315

output of the device colour *d*:

rgb input (in):									
	0.375	1.0	0.0	0.585	1.0	0.0	0.597	0.999	0.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	255	0	149	255	0	152	255	0
L^*, C^*_{ab}, h_{ab}	85.7	112.0	127.5	87.1	107.1	121.4	87.4	106.4	120.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−in:	14.4	14.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
316	0.375	1.0	0.125	133.9	84.8	90.4	143.5	−72.5	53.8	86.1	79.1	143.5	−63.4	47.1	0.0	0.875	j72g	l38c		0.0	1.0	0.384	0.125	1.0	0.461
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
316	0.375	1.0	0.125	133.9	86.8	108.0	124.3	−60.7	89.3	87.9	94.5	124.3	−53.1	78.1	0.0	0.875	j45g	y73l		0.543	1.0	0.0	0.6	1.0	0.125

3 Colours no. *j*=316

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	1.0	0.125	0.125	1.0	0.461	0.275	1.0	0.48
$rgb^*_{Fa,\ 8bit}$	96	255	32	32	255	117	70	255	122
L^*, C^*_{ab}, h_{ab}	85.7	106.1	129.2	86.1	79.1	143.5	86.6	80.7	141.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	35.3	35.3	3D−it:	2.8	2.8

3 Colours no. *j*=316

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	1.0	0.125	0.6	1.0	0.125	0.611	1.0	0.192
$olv^*_{Fa,\ 8bit}$	96	255	32	153	255	32	156	255	49
L^*, C^*_{ab}, h_{ab}	85.7	106.1	129.2	87.9	94.5	124.3	88.1	98.9	120.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.6	14.6	3D−in:	16.6	16.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
317	0.375	1.0	0.25	141.0	85.2	75.9	151.8	−66.8	35.9	87.7	56.9	151.8	−50.1	26.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
317	0.375	1.0	0.25	141.0	86.4	109.2	127.9	−67.0	86.1	88.7	81.9	127.9	−50.2	64.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.75	j84g	l58c		0.0	1.0	0.584	0.25	1.0	0.688
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.75	j50g	y85l		0.491	1.0	0.0	0.618	1.0	0.25

3 Colours no. *j*=317

output of the elementary colour *e*:

rgb input (in):									
	0.375	1.0	0.25	0.25	1.0	0.688	0.432	1.0	0.732
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	96	255	64	64	255	175	110	255	187
L^*, C^*_{ab}, h_{ab}	85.9	94.2	133.2	87.7	56.9	151.8	88.6	57.3	148.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	44.2	44.2	3D−it:	3.2	3.2	

3 Colours no. *j*=317

output of the device colour *d*:

rgb input (in):									
	0.375	1.0	0.25	0.618	1.0	0.25	0.624	1.0	0.337
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	96	255	64	158	255	64	159	255	86
L^*, C^*_{ab}, h_{ab}	85.9	94.2	133.2	88.7	81.9	127.9	89.5	84.7	124.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.0	15.0	3D−in:	16.4	16.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
318	0.375	1.0	0.375	150.0	85.7	63.5	162.2	−60.4	19.4	89.3	39.7	162.2	−37.7	12.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
318	0.375	1.0	0.375	150.0	86.0	110.8	132.5	−74.7	81.7	89.5	69.2	132.5	−46.7	51.1

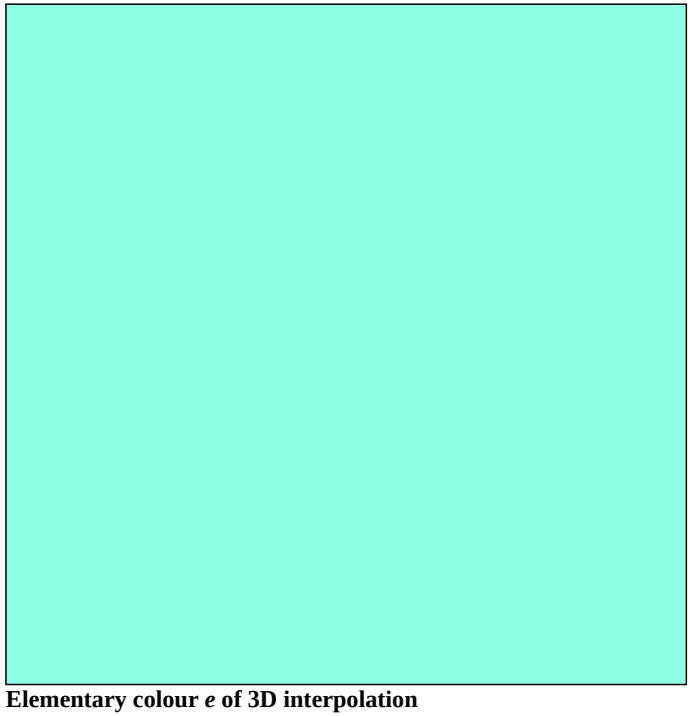
n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	j99g	l77c		0.0	1.0	0.774	0.375	1.0	0.859
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j57g	y100l		0.425	1.0	0.0	0.641	1.0	0.375

3 Colours no. *j*=318

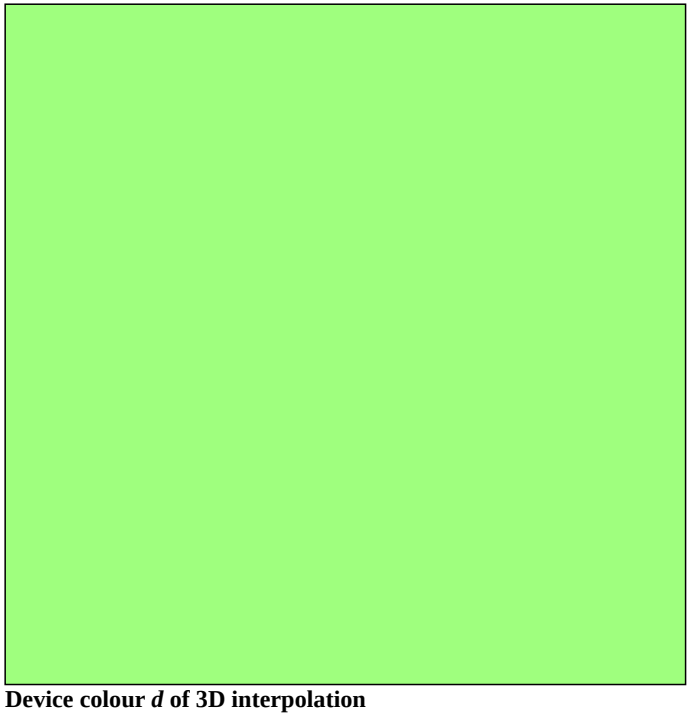
	rgb input (in):			output of the elementary colour *e*: linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	1.0	0.375	0.375	1.0	0.859	0.562	1.0	0.891
$rgb^*_{Fa,\ 8bit}$	96	255	96	96	255	219	143	255	227
L^*, C^*_{ab}, h_{ab}	86.1	83.9	137.4	89.3	39.7	162.2	89.6	38.2	156.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	50.8	50.8	3D−it:	4.0	4.0

3 Colours no. *j*=318

	rgb input (in):			output of the device colour *d*: linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	1.0	0.375	0.641	1.0	0.375	0.624	1.0	0.496
$olv^*_{Fa,\ 8bit}$	96	255	96	163	255	96	159	255	126
L^*, C^*_{ab}, h_{ab}	86.1	83.9	137.4	89.5	69.2	132.5	91.0	70.6	130.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.4	16.4	3D−in:	17.0	17.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
319	0.375	1.0	0.5	160.9	86.2	56.0	172.2	−55.4	7.6	89.6	35.0	172.2	−34.6	4.8	0.0	0.625	g09b	l89c		0.0	1.0	0.886	0.375	1.0	0.929
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
319	0.375	1.0	0.5	160.9	85.1	114.4	144.2	−92.6	67.0	88.9	71.5	144.2	−57.9	41.9	0.0	0.625	j73g	l18c		0.259	1.0	0.0	0.537	1.0	0.375

3 Colours no. *j*=319

output of the elementary colour *e*:

rgb input (in):									
	0.375	1.0	0.5	0.375	1.0	0.929	0.562	1.0	0.93
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	96	255	128	96	255	237	143	255	237
L^*, C^*_{ab}, h_{ab}	86.3	74.0	142.3	89.6	35.0	172.2	90.2	37.5	156.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	47.1	47.1	3D−it:	10.3	10.3	

3 Colours no. *j*=319

output of the device colour *d*:

rgb input (in):									
	0.375	1.0	0.5	0.537	1.0	0.375	0.375	1.0	0.5
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	96	255	128	137	255	96	96	255	128
L^*, C^*_{ab}, h_{ab}	86.3	74.0	142.3	88.9	71.5	144.2	91.6	73.1	141.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.3	4.3	3D−in:	5.4	5.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
320	0.375	1.0	0.625	173.4	86.7	51.6	183.6	−51.4	−3.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
320	0.375	1.0	0.625	173.4	84.5	117.5	157.6	−108.544.9	

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
90.0	32.2	183.6	−32.1	−1.9	0.0	0.625	g19b	l94c		0.0	1.0	0.939	0.375	1.0	0.962
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
88.6	73.4	157.6	−67.8	28.0	0.0	0.625	j92g	l39c		0.067	1.0	0.0	0.417	1.0	0.375

3 Colours no. *j*=320

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	1.0	0.625	0.375	1.0	0.962	0.556	1.0	0.966
$rgb^*_{Fa,\ 8bit}$	96	255	159	96	255	245	142	255	246
L^*, C^*_{ab}, h_{ab}	86.6	65.2	147.9	90.0	32.2	183.6	90.3	25.8	170.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	43.5	43.5	3D−it:	9.2	9.2

3 Colours no. *j*=320

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	1.0	0.625	0.417	1.0	0.375	0.0	1.0	0.624
$olv^*_{Fa,\ 8bit}$	96	255	159	106	255	96	0	255	159
L^*, C^*_{ab}, h_{ab}	86.6	65.2	147.9	88.6	73.4	157.6	91.7	71.8	152.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.4	14.4	3D−in:	10.2	10.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
321	0.375	1.0	0.75	186.6	87.3	46.8	195.6	−45.0	−12.5	90.3	29.3	195.6	−28.1	−7.8
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
321	0.375	1.0	0.75	186.6	84.5	108.0	171.7	−106.8	15.7	88.6	67.5	171.7	−66.7	9.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.0	0.625	g30b	l99c		0.0	1.0	0.995	0.375	1.0	0.997
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.0	0.625	g08b	l61c		0.0	1.0	0.172	0.375	1.0	0.483

3 Colours no. j=321

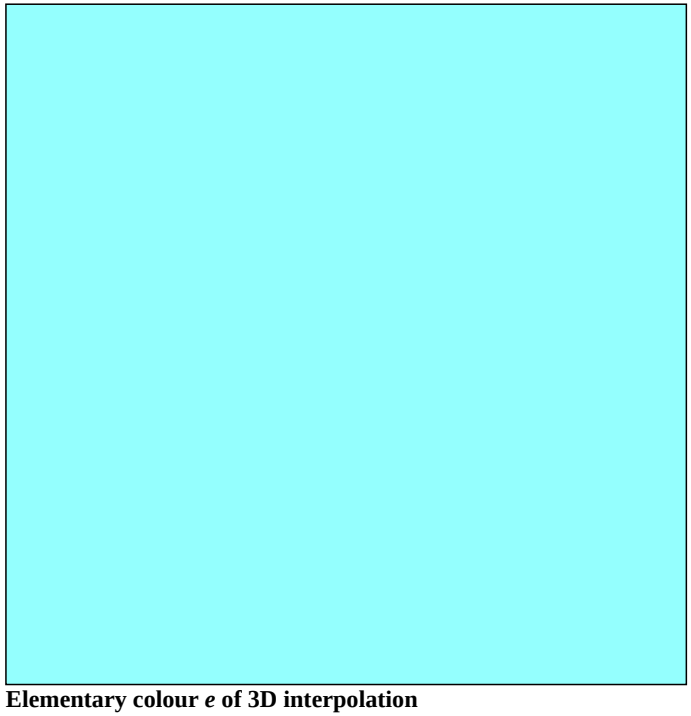
output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	1.0	0.75	0.375	1.0	0.997	0.582	1.0	0.998
$rgb^*_{Fa,\ 8bit}$	96	255	191	96	255	254	149	255	254
L^*, C^*_{ab}, h_{ab}	86.9	56.7	154.9	90.3	29.3	195.6	90.4	26.5	196.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	39.6	39.6	3D−it:	2.8	2.8

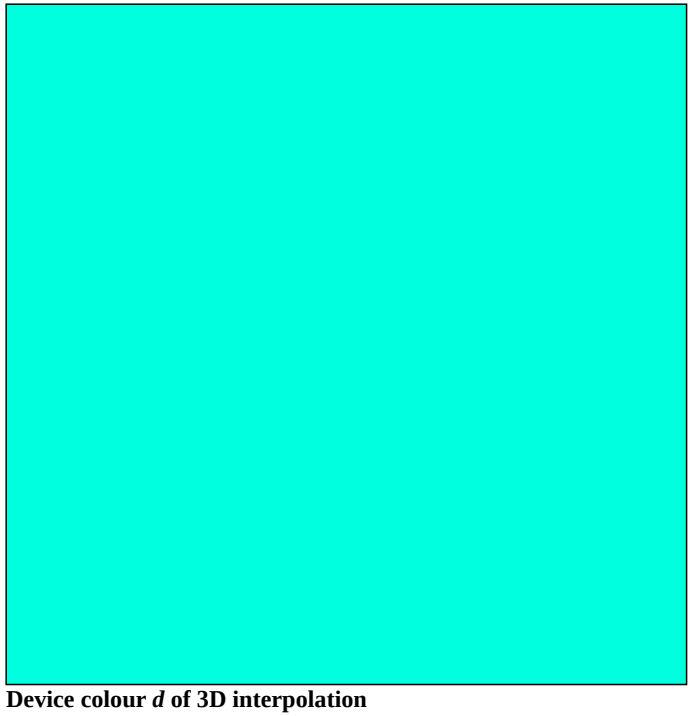
3 Colours no. j=321

output of the device colour d:

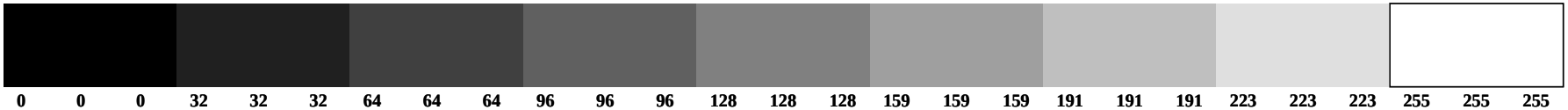
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	1.0	0.75	0.375	1.0	0.483	0.0	1.0	0.875
$olv^*_{Fa,\ 8bit}$	96	255	191	96	255	123	0	255	223
L^*, C^*_{ab}, h_{ab}	86.9	56.7	154.9	88.6	67.5	171.7	91.1	56.9	169.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.1	21.1	3D−in:	15.3	15.3



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
322	0.375	1.0	0.875	199.1	83.8	45.0	207.0	−40.0	−20.4	88.1	28.1	207.0	−24.9	−12.7	0.0	0.625	g40b	c04v		0.0	0.962	1.0	0.375	0.976	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
322	0.375	1.0	0.875	199.1	84.9	87.8	185.1	−87.4	−7.6	88.8	54.9	185.1	−54.6	−4.7	0.0	0.625	g20b	l82c		0.0	1.0	0.417	0.375	1.0	0.636

3 Colours no. *j*=322

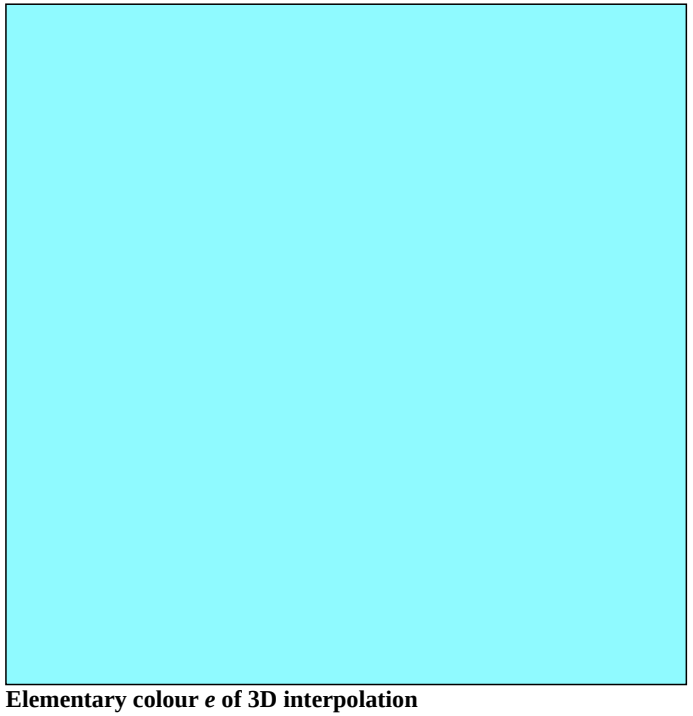
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	1.0	0.875	0.375	0.976	1.0	0.559	0.98	1.0
$rgb^*_{Fa,\ 8bit}$	96	255	223	96	249	255	143	250	255
L^*, C^*_{ab}, h_{ab}	87.4	48.2	165.4	88.1	28.1	207.0	90.3	26.0	198.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	33.0	33.0	3D−it:	4.9	4.9

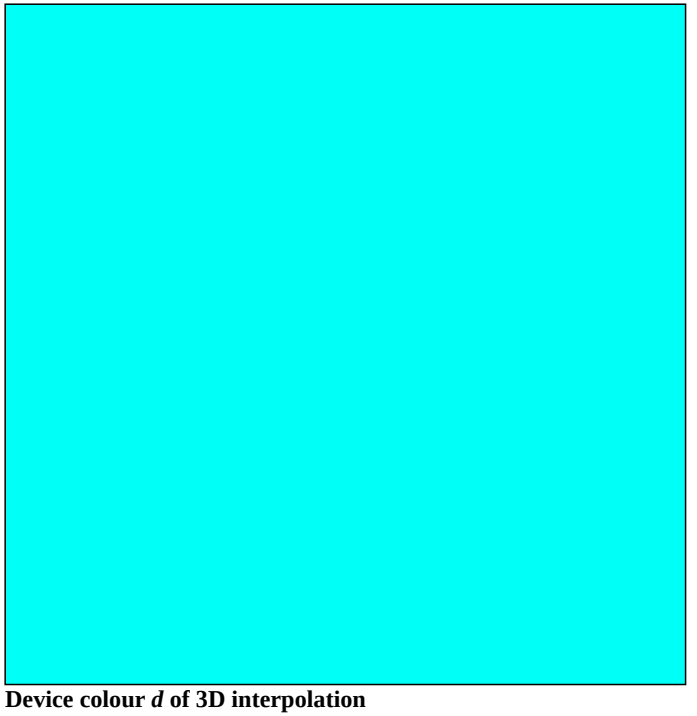
3 Colours no. *j*=322

output of the device colour *d*:

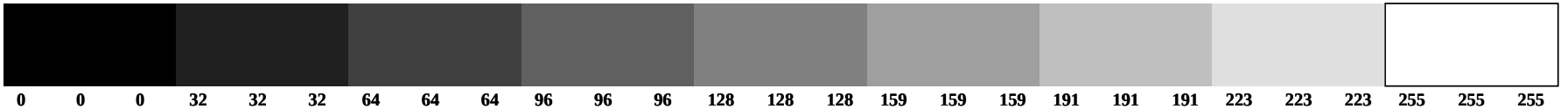
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	1.0	0.875	0.375	1.0	0.636	0.0	1.0	0.97
$olv^*_{Fa,\ 8bit}$	96	255	223	96	255	162	0	255	247
L^*, C^*_{ab}, h_{ab}	87.4	48.2	165.4	88.8	54.9	185.1	90.2	43.1	175.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	18.9	18.9	3D−in:	9.9	9.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems

TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
323	0.375	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	86.0	27.3	217.0	−21.7	−16.3	0.0	0.625	g50b	c08v		0.0	0.925	1.0	0.375	0.953	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
323	0.375	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	89.1	45.5	196.7	−43.5	−13.0	0.0	0.625	g31b	c00v		0.0	1.0	0.63	0.375	1.0	0.769

3 Colours no. *j*=323

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	1.0	1.0	0.375	0.953	1.0	0.549	0.956	1.0
$rgb^*_{Fa,\ 8bit}$	96	255	255	96	243	255	140	244	255
L^*, C^*_{ab}, h_{ab}	88.6	37.7	197.4	86.0	27.3	217.0	90.3	19.9	204.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−it:	9.8	9.8	

3 Colours no. *j*=323

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	1.0	1.0	0.375	1.0	0.769	0.125	1.0	1.0
$olv^*_{Fa,\ 8bit}$	96	255	255	96	255	196	32	255	255
L^*, C^*_{ab}, h_{ab}	88.6	37.7	197.4	89.1	45.5	196.7	90.7	44.9	196.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−in:	7.6	7.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
324	0.5	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	35.2	40.7	25.5	36.7	17.5	0.5	0.5	b99r	m81o		1.0	0.0	0.189	0.5	0.0	0.094
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
324	0.5	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	36.6	43.1	38.2	33.9	26.6	0.5	0.5	r19j	m100o		1.0	0.19	0.0	0.5	0.095	0.0

3 Colours no. *j*=324

output of the elementary colour *e*:

rgb input (in):									
	0.5	0.0	0.0	0.5	0.0	0.094	0.546	0.089	0.107
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	128	0	0	128	0	24	139	23	27
L^*, C^*_{ab}, h_{ab}	31.4	43.8	30.8	35.2	40.7	25.5	38.5	45.4	27.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	6.0	6.0	

3 Colours no. *j*=324

output of the device colour *d*:

rgb input (in):									
	0.5	0.0	0.0	0.5	0.095	0.0	0.563	0.132	0.035
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	128	0	0	128	24	0	143	34	9
L^*, C^*_{ab}, h_{ab}	31.4	43.8	30.8	36.6	43.1	38.2	39.0	46.6	35.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−in:	8.8	8.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
325	0.5	0.0	0.125	16.1	53.1	76.9	12.3	75.2	16.4	35.4	38.5	12.3	37.6	8.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
325	0.5	0.0	0.125	16.1	52.5	87.4	21.6	81.3	32.2	35.1	43.7	21.6	40.6	16.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	b88r	m67o		1.0	0.0	0.332	0.5	0.0	0.166
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	b96r	m77o		1.0	0.0	0.068	0.5	0.0	0.034

3 Colours no. *j*=325

output of the elementary colour *e*:

rgb input (in):									
	0.5	0.0	0.125	0.5	0.0	0.166	0.539	0.096	0.175
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	128	0	32	128	0	42	137	25	45
L^*, C^*_{ab}, h_{ab}	31.8	40.9	14.8	35.4	38.5	12.3	38.9	40.9	14.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.7	4.7	3D−it:	4.7	4.7	

3 Colours no. *j*=325

output of the device colour *d*:

rgb input (in):									
	0.5	0.0	0.125	0.5	0.0	0.034	0.567	0.048	0.121
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	128	0	32	128	0	9	145	12	31
L^*, C^*_{ab}, h_{ab}	31.8	40.9	14.8	35.1	43.7	21.6	38.5	46.1	27.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−in:	12.6	12.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
326	0.5	0.0	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	35.8	39.1	357.0	39.0	−1.9	0.5	0.5	b75r	m47o		1.0	0.0	0.529	0.5	0.0	0.264
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
326	0.5	0.0	0.25	0.0	53.4	76.6	2.4	76.5	3.2	35.5	38.3	2.4	38.3	1.6	0.5	0.5	b79r	m50o		1.0	0.0	0.406	0.5	0.0	0.203

3 Colours no. *j*=326

output of the elementary colour *e*:

rgb input (in):									
	0.5	0.0	0.25	0.5	0.0	0.264	0.536	0.102	0.243
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	128	0	64	128	0	67	137	26	62
L^*, C^*_{ab}, h_{ab}	32.5	43.8	349.0	35.8	39.1	357.0	36.3	42.3	0.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−it:	4.0	4.0	

3 Colours no. *j*=326

output of the device colour *d*:

rgb input (in):									
	0.5	0.0	0.25	0.5	0.0	0.203	0.534	0.1	0.217
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	128	0	64	128	0	52	136	25	55
L^*, C^*_{ab}, h_{ab}	32.5	43.8	349.0	35.5	38.3	2.4	39.1	43.7	2.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−in:	12.4	12.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
327	0.5	0.0	0.375	343.9	55.2	87.2	341.8	82.9	−27.2	36.4	43.6	341.8	41.4	−13.5	0.5	0.5	b61r	m22o		1.0	0.0	0.784	0.5	0.0	0.392
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
327	0.5	0.0	0.375	343.9	54.9	85.1	343.2	81.5	−24.5	36.3	42.6	343.2	40.8	−12.2	0.5	0.5	b63r	m23o		1.0	0.0	0.743	0.5	0.0	0.372

3 Colours no. *j*=327

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.0	0.375	0.5	0.0	0.392	0.532	0.111	0.344
$rgb^*_{Fa,\ 8bit}$	128	0	96	128	0	100	136	28	88
L^*, C^*_{ab}, h_{ab}	33.4	52.6	334.6	36.4	43.6	341.8	36.8	43.9	348.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.3	11.3	3D−it:	4.9	4.9

3 Colours no. *j*=327

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.0	0.375	0.5	0.0	0.372	0.529	0.112	0.331
$olv^*_{Fa,\ 8bit}$	128	0	96	128	0	95	135	29	85
L^*, C^*_{ab}, h_{ab}	33.4	52.6	334.6	36.3	42.6	343.2	40.1	43.8	349.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.7	12.7	3D−in:	16.4	16.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
328	0.5	0.0	0.5	330.0	57.9	105.3	328.6	89.9	−54.7	37.8	52.6	328.6	44.9	−27.3	0.5	0.5	b50r	m02o		1.0	0.0	0.976	0.5	0.0	0.488
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
328	0.5	0.0	0.5	330.0	56.9	108.7	326.6	90.7	−59.7	37.3	54.3	326.6	45.4	−29.8	0.5	0.5	b47r	m00o		0.965	0.0	1.0	0.483	0.0	0.5

3 Colours no. *j*=328

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.0	0.5	0.5	0.0	0.488	0.531	0.129	0.486
$rgb^*_{Fa,\ 8bit}$	128	0	128	128	0	124	135	33	124
L^*, C^*_{ab}, h_{ab}	34.3	62.5	326.1	37.8	52.6	328.6	38.7	51.5	332.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−it:	3.5	3.5	

3 Colours no. *j*=328

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.0	0.5	0.483	0.0	0.5	0.518	0.121	0.5
$olv^*_{Fa,\ 8bit}$	128	0	128	123	0	128	132	31	128
L^*, C^*_{ab}, h_{ab}	34.3	62.5	326.1	37.3	54.3	326.6	37.6	54.7	327.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−in:	8.6	8.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
329	0.5	0.0	0.625	319.1	50.4	110.1	318.3	82.2	−73.1	38.1	68.8	318.3	51.4	−45.7	0.375	0.625	b40r	v79m		0.794	0.0	1.0	0.496	0.0	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
329	0.5	0.0	0.625	319.1	53.8	109.1	322.5	86.6	−66.3	40.2	68.2	322.5	54.1	−41.4	0.375	0.625	b44r	v82m		0.893	0.0	1.0	0.558	0.0	0.625

3 Colours no. *j*=329

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.0	0.625	0.496	0.0	0.625	0.505	0.113	0.673
$rgb^*_{Fa,\ 8bit}$	128	0	159	126	0	159	129	29	172
L^*, C^*_{ab}, h_{ab}	35.3	71.7	320.9	38.1	68.8	318.3	38.4	68.0	322.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	5.1	5.1	

3 Colours no. *j*=329

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.0	0.625	0.558	0.0	0.625	0.577	0.117	0.665
$olv^*_{Fa,\ 8bit}$	128	0	159	142	0	159	147	30	170
L^*, C^*_{ab}, h_{ab}	35.3	71.7	320.9	40.2	68.2	322.5	42.4	69.1	327.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−in:	11.2	11.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb -> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
330	0.5	0.0	0.75	310.9	42.3	114.4	310.5	74.3	−86.9	36.2	85.8	310.5	55.7	−65.1	0.25	0.75	b33r	v49m		0.492	0.0	1.0	0.369	0.0	0.75
n_{rgb}	rgb -> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
330	0.5	0.0	0.75	310.9	51.8	109.6	319.4	83.3	−71.2	43.3	82.2	319.4	62.5	−53.3	0.25	0.75	b41r	v68m		0.839	0.0	1.0	0.629	0.0	0.75

3 Colours no. j=330

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.0	0.75	0.369	0.0	0.75	0.383	0.074	0.821
$rgb^*_{Fa,\ 8bit}$	128	0	191	94	0	191	98	19	209
L^*, C^*_{ab}, h_{ab}	36.6	82.1	317.3	36.2	85.8	310.5	37.6	84.5	312.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	3.3	3.3	

3 Colours no. j=330

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.0	0.75	0.629	0.0	0.75	0.632	0.112	0.832
$olv^*_{Fa,\ 8bit}$	128	0	191	160	0	191	161	29	212
L^*, C^*_{ab}, h_{ab}	36.6	82.1	317.3	43.3	82.2	319.4	43.7	80.2	321.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−in:	9.8	9.8	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
331	0.5	0.0	0.875	304.7	35.4	120.3	304.6	68.4	−98.9	33.2	105.3	304.6	59.9	−86.5	0.125	0.875	b28r	v11m		0.109	0.0	1.0	0.095	0.0	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
331	0.5	0.0	0.875	304.7	50.5	110.0	317.1	80.6	−74.8	46.4	96.3	317.1	70.5	−65.4	0.125	0.875	b39r	v58m		0.798	0.0	1.0	0.698	0.0	0.875

3 Colours no. *j*=331

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.0	0.875	0.095	0.0	0.875	0.142	0.031	0.925
$rgb^*_{Fa,\ 8bit}$	128	0	223	24	0	223	36	8	236
L^*, C^*_{ab}, h_{ab}	38.3	92.3	314.3	33.2	105.3	304.6	39.7	103.3	307.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.6	21.6	3D−it:	9.0	9.0

3 Colours no. *j*=331

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.0	0.875	0.698	0.0	0.875	0.676	0.095	0.933
$olv^*_{Fa,\ 8bit}$	128	0	223	178	0	223	173	24	238
L^*, C^*_{ab}, h_{ab}	38.3	92.3	314.3	46.4	96.3	317.1	51.1	94.3	320.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.2	10.2	3D−in:	16.1	16.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb -> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
332	0.5	0.0	1.0	300.0	39.4	107.0	300.2	53.8	−92.4	39.4	107.0	300.2	53.8	−92.4	0.0	1.0	b25r	c83v		0.0	0.173	1.0	0.0	0.173	1.0
n_{rgb}	rgb -> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
332	0.5	0.0	1.0	300.0	49.6	110.4	315.3	78.5	−77.5	49.6	110.4	315.3	78.5	−77.5	0.0	1.0	b38r	v50m		0.767	0.0	1.0	0.767	0.0	1.0

3 Colours no. j=332

output of the elementary colour e:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.0	1.0	0.0	0.173	1.0	0.0	0.176	1.0
$rgb^*_{Fa,\ 8bit}$	128	0	255	0	44	255	0	45	255
L^*, C^*_{ab}, h_{ab}	42.5	114.2	310.7	39.4	107.0	300.2	40.9	109.1	304.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.7	21.7	3D−it:	7.8	7.8

3 Colours no. j=332

output of the device colour d:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.0	1.0	0.767	0.0	1.0	0.726	0.066	1.0
$olv^*_{Fa,\ 8bit}$	128	0	255	196	0	255	185	17	255
L^*, C^*_{ab}, h_{ab}	42.5	114.2	310.7	49.6	110.4	315.3	50.1	110.5	316.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.2	12.2	3D−in:	14.9	14.9

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
333	0.5	0.125	0.0	43.9	54.0	88.3	40.9	66.7	57.9	35.8	44.2	40.9	33.4	28.9	0.5	0.5	r23j	o13y		1.0	0.132	0.0	0.5	0.066	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
333	0.5	0.125	0.0	43.9	62.7	80.0	52.9	48.2	63.8	40.2	40.0	52.9	24.1	31.9	0.5	0.5	r41j	o23y		1.0	0.411	0.0	0.5	0.205	0.0

3 Colours no. *j*=333

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.125	0.0	0.5	0.066	0.0	0.551	0.125	0.0
$rgb^*_{Fa,\ 8bit}$	128	32	0	128	17	0	140	32	0
L^*, C^*_{ab}, h_{ab}	34.3	39.7	41.7	35.8	44.2	40.9	37.3	48.6	40.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.7	4.7	3D−it:	4.7	4.7	

3 Colours no. *j*=333

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.125	0.0	0.5	0.205	0.0	0.558	0.21	0.029
$olv^*_{Fa,\ 8bit}$	128	32	0	128	52	0	142	54	7
L^*, C^*_{ab}, h_{ab}	34.3	39.7	41.7	40.2	40.0	52.9	43.9	43.5	53.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−in:	13.5	13.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
334	0.5	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	40.5	30.5	25.5	27.5	13.1	0.5	0.375	b99r	m81o		1.0	0.0	0.189	0.5	0.125	0.196
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
334	0.5	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	41.6	32.3	38.2	25.4	20.0	0.5	0.375	r19j	m100o		1.0	0.19	0.0	0.5	0.196	0.125

3 Colours no. *j*=334

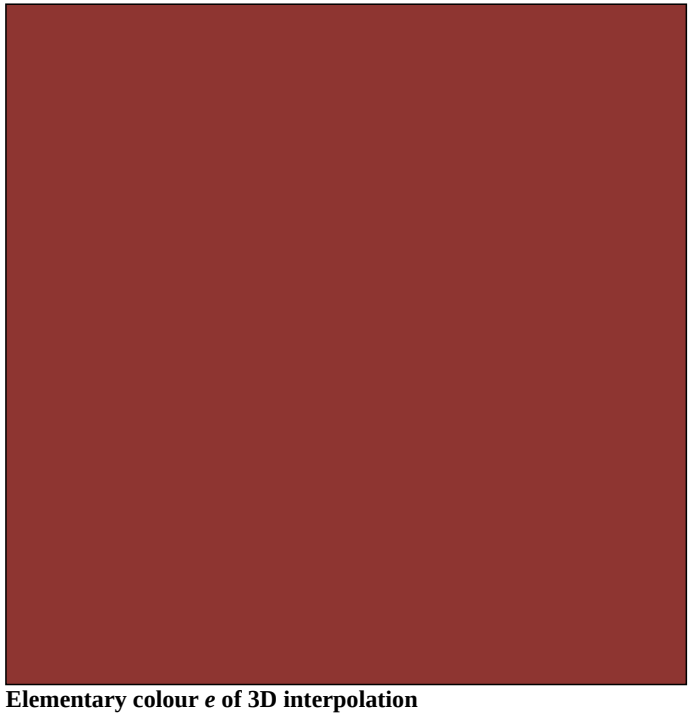
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.125	0.125	0.5	0.125	0.196	0.557	0.208	0.192
$rgb^*_{Fa,\ 8bit}$	128	32	32	128	32	50	142	53	49
L^*, C^*_{ab}, h_{ab}	34.6	34.9	24.7	40.5	30.5	25.5	44.4	33.1	28.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−it:	5.0	5.0	

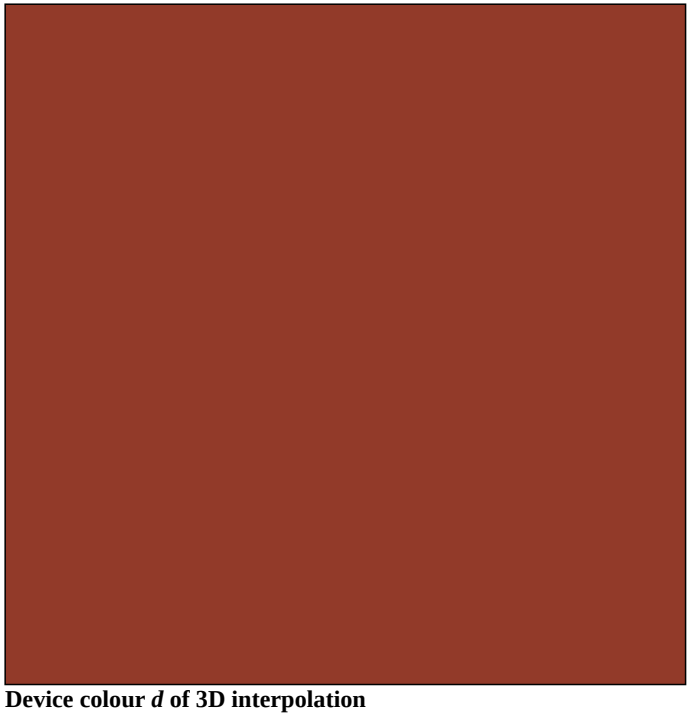
3 Colours no. *j*=334

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.125	0.125	0.5	0.196	0.125	0.571	0.226	0.159
$olv^*_{Fa,\ 8bit}$	128	32	32	128	50	32	146	58	41
L^*, C^*_{ab}, h_{ab}	34.6	34.9	24.7	41.6	32.3	38.2	43.9	38.7	48.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	18.0	18.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
335	0.5	0.125	0.25	10.9	53.3	76.5	7.4	75.8	9.8	40.7	28.7	7.4	28.4	3.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
335	0.5	0.125	0.25	10.9	52.7	81.9	15.4	79.0	21.8	40.5	30.7	15.4	29.6	8.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.375	b83r	m61o		1.0	0.0	0.391	0.5	0.125	0.272
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.375	b90r	m68o		1.0	0.0	0.177	0.5	0.125	0.191

3 Colours no. *j*=335

output of the elementary colour *e*:

rgb input (in):									
	0.5	0.125	0.25	0.5	0.125	0.272	0.549	0.212	0.257
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	128	32	64	128	32	69	140	54	66
L^*, C^*_{ab}, h_{ab}	35.3	36.0	353.1	40.7	28.7	7.4	45.0	34.6	18.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.2	12.2	3D−it:	9.6	9.6

linear interpolation (it):			3D interpolation (3D):		
0.5	0.125	0.272	0.549	0.212	0.257
128	32	69	140	54	66
40.7	28.7	7.4	45.0	34.6	18.7
		it−in:	12.2	12.2	3D−it: 9.6	9.6

3 Colours no. *j*=335

output of the device colour *d*:

rgb input (in):									
	0.5	0.125	0.25	0.5	0.125	0.191	0.562	0.202	0.224
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	128	32	64	128	32	49	143	51	57
L^*, C^*_{ab}, h_{ab}	35.3	36.0	353.1	40.5	30.7	15.4	44.4	31.9	19.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.9	14.9	3D−in:	18.2	18.2

linear interpolation (it):			3D interpolation (3D):		
0.5	0.125	0.191	0.562	0.202	0.224
128	32	49	143	51	57
40.5	30.7	15.4	44.4	31.9	19.0
		it−in:	14.9	14.9	3D−in:	18.2	18.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
336	0.5	0.125	0.375	349.1	54.7	83.3	346.7	81.1	−19.0	41.3	31.3	346.7	30.4	−7.1	0.5	0.375	b66r	m30o		1.0	0.0	0.696	0.5	0.125	0.386
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
336	0.5	0.125	0.375	349.1	54.4	81.0	349.4	79.7	−14.8	41.1	30.4	349.4	29.9	−5.5	0.5	0.375	b68r	m32o		1.0	0.0	0.634	0.5	0.125	0.363

3 Colours no. *j*=336

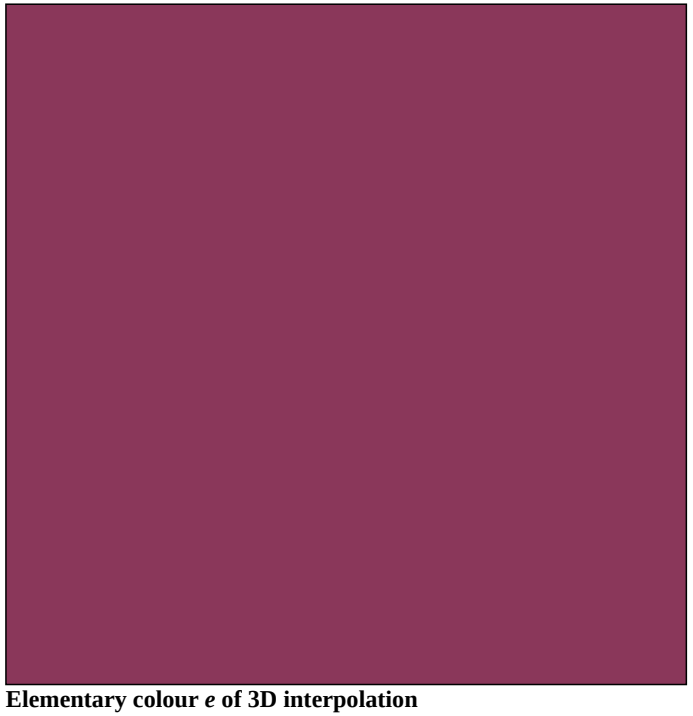
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.125	0.375	0.5	0.125	0.386	0.542	0.217	0.354
$rgb^*_{Fa,\ 8bit}$	128	32	96	128	32	98	138	55	90
L^*, C^*_{ab}, h_{ab}	36.0	43.8	335.4	41.3	31.3	346.7	45.0	33.0	353.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.5	15.5	3D−it:	5.6	5.6	

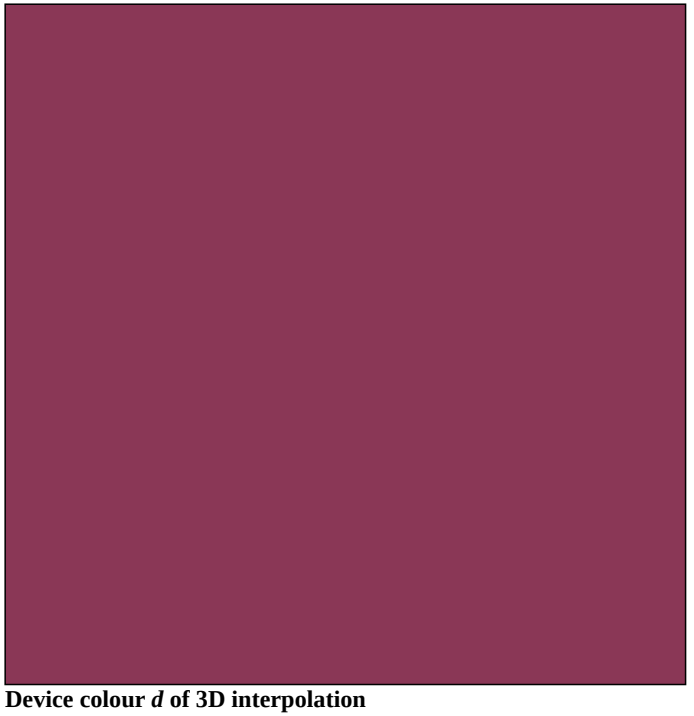
3 Colours no. *j*=336

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.125	0.375	0.5	0.125	0.363	0.54	0.217	0.339
$olv^*_{Fa,\ 8bit}$	128	32	96	128	32	93	138	55	86
L^*, C^*_{ab}, h_{ab}	36.0	43.8	335.4	41.1	30.4	349.4	45.0	33.0	353.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.9	16.9	3D−in:	18.5	18.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
337	0.5	0.125	0.5	330.0	57.9	105.3	328.6	89.9	−54.7	42.5	39.5	328.6	33.7	−20.5	0.5	0.375	b50r	m02o		1.0	0.0	0.976	0.5	0.125	0.491
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
337	0.5	0.125	0.5	330.0	56.9	108.7	326.6	90.7	−59.7	42.1	40.7	326.6	34.0	−22.3	0.5	0.375	b47r	m00o		0.965	0.0	1.0	0.487	0.125	0.5

3 Colours no. *j*=337

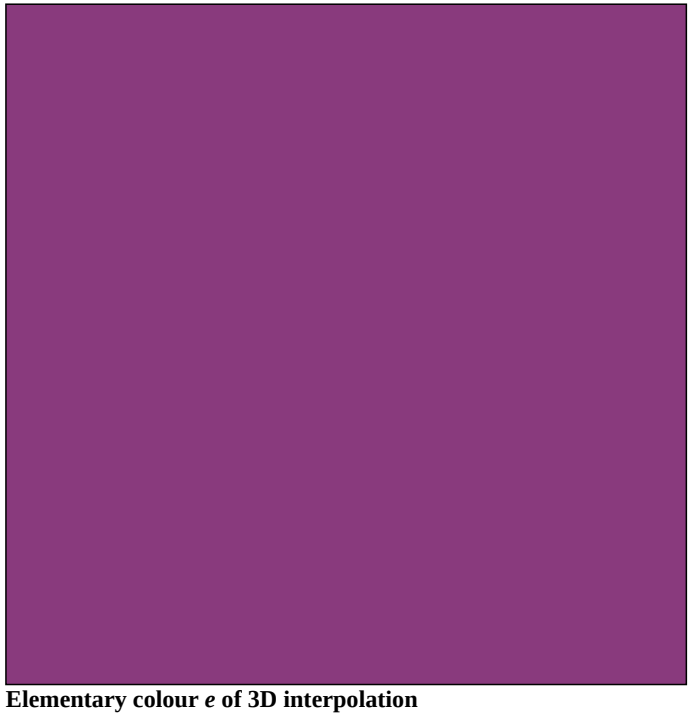
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.125	0.5	0.5	0.125	0.491	0.539	0.228	0.491
$rgb^*_{Fa,\ 8bit}$	128	32	128	128	32	125	137	58	125
L^*, C^*_{ab}, h_{ab}	36.9	54.0	325.3	42.5	39.5	328.6	45.6	40.2	336.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.7	15.7	3D−it:	6.1	6.1	

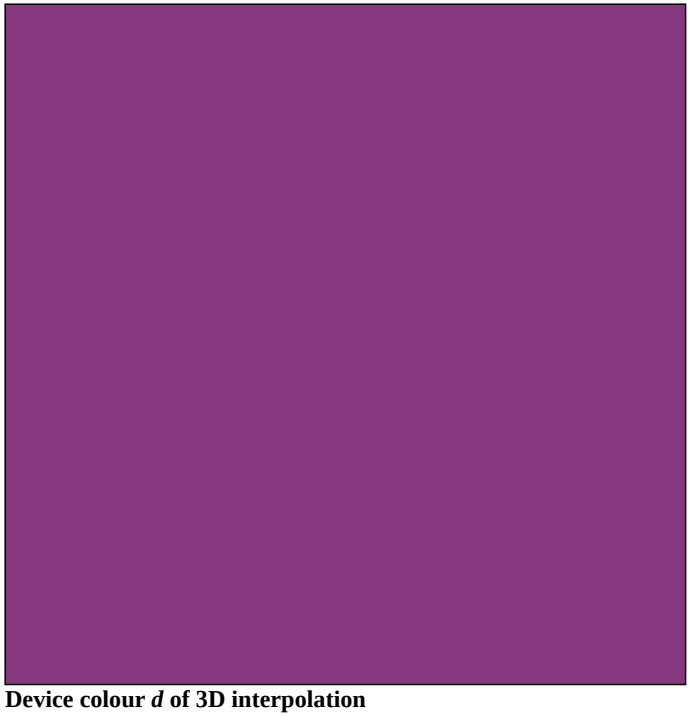
3 Colours no. *j*=337

output of the device colour *d*:

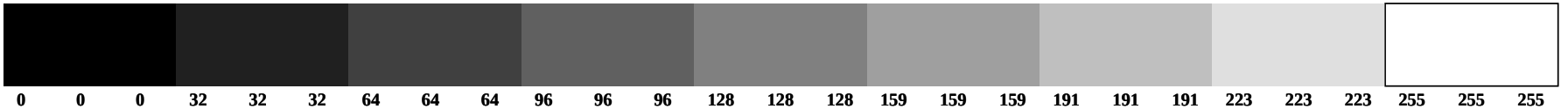
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.125	0.5	0.487	0.125	0.5	0.529	0.223	0.503
$olv^*_{Fa,\ 8bit}$	128	32	128	124	32	128	135	57	128
L^*, C^*_{ab}, h_{ab}	36.9	54.0	325.3	42.1	40.7	326.6	42.7	44.7	331.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.2	14.2	3D−in:	12.0	12.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
338	0.5	0.125 0.625	316.1	47.5	111.4	315.4	79.4	−78.0	42.3	55.7	315.4	39.7	−39.0	0.375	0.5	b38r	v70m		0.696	0.0	1.0	0.473	0.125	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
338	0.5	0.125 0.625	316.1	52.9	109.2	321.4	85.4	−68.0	45.0	54.6	321.4	42.7	−34.0	0.375	0.5	b43r	v77m		0.873	0.0	1.0	0.562	0.125	0.625

3 Colours no. *j*=338

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.125	0.625	0.473	0.125	0.625	0.502	0.216	0.673
$rgb^*_{Fa,\ 8bit}$	128	32	159	121	32	159	128	55	172
L^*, C^*_{ab}, h_{ab}	37.8	63.9	319.6	42.3	55.7	315.4	44.4	53.8	319.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−it:	4.7	4.7	

3 Colours no. *j*=338

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.125	0.625	0.562	0.125	0.625	0.59	0.23	0.668
$olv^*_{Fa,\ 8bit}$	128	32	159	143	32	159	150	59	170
L^*, C^*_{ab}, h_{ab}	37.8	63.9	319.6	45.0	54.6	321.4	47.2	54.0	326.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−in:	15.3	15.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
339	0.5	0.125	0.75	306.6	37.6	118.4	306.4	70.3	−95.1	39.8	74.0	306.4	43.9	−59.4	0.25	0.625	b30r	v26m		0.258	0.0	1.0	0.286	0.125	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
339	0.5	0.125	0.75	306.6	50.9	109.9	317.8	81.4	−73.7	48.2	68.7	317.8	50.9	−46.0	0.25	0.625	b40r	v61m		0.81	0.0	1.0	0.631	0.125	0.75

3 Colours no. *j*=339

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.125	0.75	0.286	0.125	0.75	0.363	0.19	0.824
$rgb^*_{Fa,\ 8bit}$	128	32	191	73	32	191	92	48	210
L^*, C^*_{ab}, h_{ab}	39.0	74.3	315.8	39.8	74.0	306.4	45.7	70.2	309.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.2	12.2	3D−it:	7.7	7.7	

3 Colours no. *j*=339

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.125	0.75	0.631	0.125	0.75	0.647	0.239	0.837
$olv^*_{Fa,\ 8bit}$	128	32	191	161	32	191	165	61	214
L^*, C^*_{ab}, h_{ab}	39.0	74.3	315.8	48.2	68.7	317.8	48.4	66.9	320.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.1	11.1	3D−in:	13.4	13.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
340	0.5	0.125 0.875	300.0	39.4	107.0	300.2	53.8	−92.4	43.7	80.3	300.2	40.4	−69.3	0.125	0.75	b25r	c83v		0.0	0.173	1.0	0.125	0.255	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
340	0.5	0.125 0.875	300.0	49.6	110.4	315.3	78.5	−77.5	51.3	82.8	315.3	58.9	−58.1	0.125	0.75	b38r	v50m		0.767	0.0	1.0	0.7	0.125	0.875

3 Colours no. *j*=340

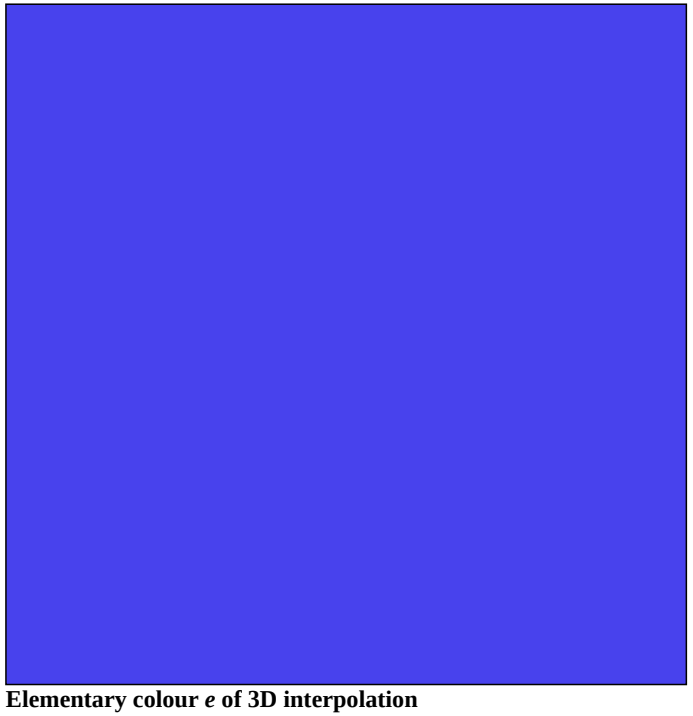
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.125 0.875	0.125	0.255	0.875	0.284	0.259	0.928
$rgb^*_{Fa,\ 8bit}$	128	32 223	32	65	223	72	66	237
L^*, C^*_{ab}, h_{ab}	40.5	86.1 313.0	43.7	80.3	300.2	52.1	80.7	302.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$		it−in:	19.7	19.7	3D−it:	9.1	9.1	

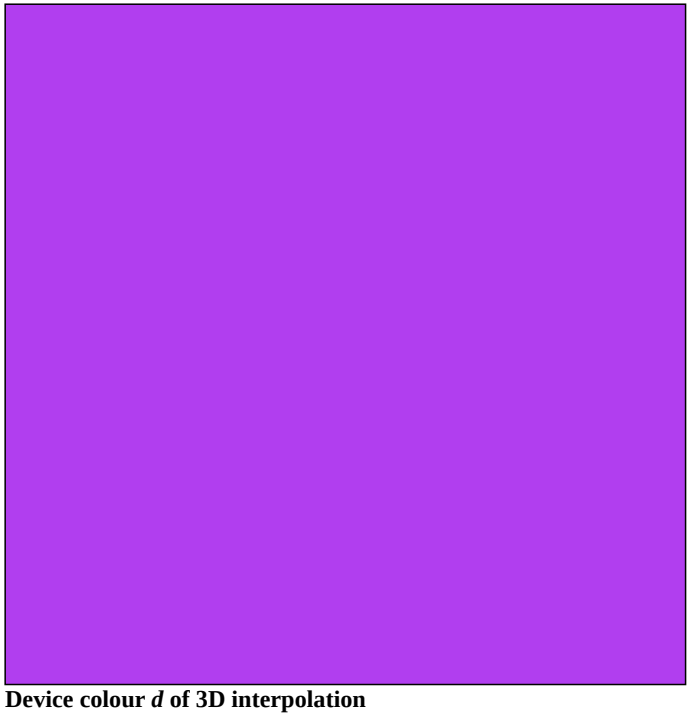
3 Colours no. *j*=340

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.125 0.875	0.7	0.125	0.875	0.693	0.242	0.936
$olv^*_{Fa,\ 8bit}$	128	32 223	179	32	223	177	62	239
L^*, C^*_{ab}, h_{ab}	40.5	86.1 313.0	51.3	82.8	315.3	58.7	85.9	318.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$		it−in:	11.8	11.8	3D−in:	20.1	20.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
341	0.5	0.125	1.0	295.3	44.1	93.9	295.7	40.7	−84.5	50.5	82.1	295.7	35.6	−73.9	0.0	0.875	b21r	c72v		0.0	0.275	1.0	0.125	0.366	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
341	0.5	0.125	1.0	295.3	48.6	110.8	313.6	76.3	−80.1	54.5	96.9	313.6	66.8	−70.1	0.0	0.875	b36r	v42m		0.736	0.0	1.0	0.769	0.125	1.0

3 Colours no. *j*=341

output of the elementary colour *e*:

rgb input (in):									
	0.5	0.125	1.0	0.125	0.366	1.0	0.275	0.366	1.0
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	128	32	255	32	93	255	70	93	255
L^*, C^*_{ab}, h_{ab}	44.4	108.3	309.5	50.5	82.1	295.7	50.6	82.6	297.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.2	35.2	3D−it:	2.3	2.3	

3 Colours no. *j*=341

output of the device colour *d*:

rgb input (in):									
	0.5	0.125	1.0	0.769	0.125	1.0	0.744	0.244	1.0
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	128	32	255	196	32	255	190	62	255
L^*, C^*_{ab}, h_{ab}	44.4	108.3	309.5	54.5	96.9	313.6	54.6	95.5	315.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.9	16.9	3D−in:	19.7	19.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
342	0.5	0.25	0.0	60.0	63.5	79.7	58.9	41.2	68.2	40.6	39.8	58.9	20.6	34.1	0.5	0.5	r49j	o43y		1.0	0.434	0.0	0.5	0.217	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
342	0.5	0.25	0.0	60.0	72.5	80.1	70.0	27.4	75.3	45.1	40.1	70.0	13.7	37.7	0.5	0.5	r66j	o50y		1.0	0.666	0.0	0.5	0.333	0.0

3 Colours no. *j*=342

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.0	0.5	0.217	0.0	0.545	0.229	0.011
$rgb^*_{Fa,\ 8bit}$	128	64	0	128	55	0	139	58	3
L^*, C^*_{ab}, h_{ab}	40.6	37.5	68.1	40.6	39.8	58.9	43.9	47.1	56.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−it:	8.2	8.2	

3 Colours no. *j*=342

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.0	0.5	0.333	0.0	0.568	0.308	0.038
$olv^*_{Fa,\ 8bit}$	128	64	0	128	85	0	145	78	10
L^*, C^*_{ab}, h_{ab}	40.6	37.5	68.1	45.1	40.1	70.0	49.7	41.7	68.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−in:	10.1	10.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
343	0.5	0.25	0.125	49.1	57.2	84.2	46.7	57.7	61.3	42.2	31.6	46.7	21.6	23.0	0.5	0.375	r32j	o25y		1.0	0.246	0.0	0.5	0.217	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
343	0.5	0.25	0.125	49.1	65.7	78.9	58.4	41.3	67.2	45.4	29.6	58.4	15.5	25.2	0.5	0.375	r49j	o32y		1.0	0.493	0.0	0.5	0.31	0.125

3 Colours no. *j*=343

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.125	0.5	0.217	0.125	0.56	0.247	0.145
$rgb^*_{Fa,\ 8bit}$	128	64	32	128	55	32	143	63	37
L^*, C^*_{ab}, h_{ab}	40.9	28.4	56.0	42.2	31.6	46.7	43.9	38.7	48.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−it:	7.4	7.4	

3 Colours no. *j*=343

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.125	0.5	0.31	0.125	0.565	0.309	0.159
$olv^*_{Fa,\ 8bit}$	128	64	32	128	79	32	144	79	41
L^*, C^*_{ab}, h_{ab}	40.9	28.4	56.0	45.4	29.6	58.4	49.9	31.2	59.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−in:	9.6	9.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
344	0.5	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	45.9	20.3	25.5	18.3	8.7	0.5	0.25	b99r	m81o		1.0	0.0	0.189	0.5	0.25	0.297
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
344	0.5	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	46.6	21.6	38.2	16.9	13.3	0.5	0.25	r19j	m100o		1.0	0.19	0.0	0.5	0.298	0.25

3 Colours no. *j*=344

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.25	0.5	0.25	0.297	0.56	0.312	0.28
$rgb^*_{Fa,\ 8bit}$	128	64	64	128	64	76	143	79	71
L^*, C^*_{ab}, h_{ab}	41.4	20.5	14.5	45.9	20.3	25.5	50.6	22.6	33.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	6.1	6.1	

3 Colours no. *j*=344

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.25	0.5	0.298	0.25	0.571	0.324	0.251
$olv^*_{Fa,\ 8bit}$	128	64	64	128	76	64	146	83	64
L^*, C^*_{ab}, h_{ab}	41.4	20.5	14.5	46.6	21.6	38.2	50.1	26.4	45.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−in:	16.3	16.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
345	0.5	0.25	0.375	360.0	53.9	78.2	357.0	78.1	−3.9	46.1	19.5	357.0	19.5	−0.9	0.5	0.25	b75r	m47o		1.0	0.0	0.529	0.5	0.25	0.382
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
345	0.5	0.25	0.375	360.0	53.4	76.6	2.4	76.5	3.2	46.0	19.1	2.4	19.1	0.8	0.5	0.25	b79r	m50o		1.0	0.0	0.406	0.5	0.25	0.351

3 Colours no. *j*=345

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.375	0.5	0.25	0.382	0.547	0.316	0.366
$rgb^*_{Fa,\ 8bit}$	128	64	96	128	64	97	140	81	93
L^*, C^*_{ab}, h_{ab}	42.0	25.8	339.7	46.1	19.5	357.0	51.1	23.5	14.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−it:	9.0	9.0	

3 Colours no. *j*=345

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.375	0.5	0.25	0.351	0.547	0.315	0.349
$olv^*_{Fa,\ 8bit}$	128	64	96	128	64	90	140	80	89
L^*, C^*_{ab}, h_{ab}	42.0	25.8	339.7	46.0	19.1	2.4	50.6	20.1	14.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−in:	17.0	17.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
346	0.5	0.25	0.5	330.0	57.9	105.3	328.6	89.9	−54.7	47.2	26.3	328.6	22.5	−13.6	0.5	0.25	b50r	m02o		1.0	0.0	0.976	0.5	0.25	0.494
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
346	0.5	0.25	0.5	330.0	56.9	108.7	326.6	90.8	−59.7	46.9	27.2	326.6	22.7	−14.8	0.5	0.25	b47r	m00o		0.965	0.0	1.0	0.491	0.25	0.5

3 Colours no. *j*=346

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.25	0.5	0.5	0.25	0.494	0.541	0.327	0.497
$rgb^*_{Fa,\ 8bit}$	128	64	128	128	64	126	138	83	127
L^*, C^*_{ab}, h_{ab}	42.7	36.0	323.3	47.2	26.3	328.6	51.7	28.1	342.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.1	11.1	3D−it:	8.2	8.2	

3 Colours no. *j*=346

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.25	0.5	0.491	0.25	0.5	0.534	0.324	0.505
$olv^*_{Fa,\ 8bit}$	128	64	128	125	64	128	136	83	129
L^*, C^*_{ab}, h_{ab}	42.7	36.0	323.3	46.9	27.2	326.6	51.7	29.0	337.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	14.0	14.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb -> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
347	0.5	0.25	0.625	310.9	42.3	114.4	310.5	74.3	−86.8	46.3	42.9	310.5	27.9	−32.5	0.375	0.375	b33r	v49m		0.493	0.0	1.0	0.435	0.25	0.625
n_{rgb}	rgb -> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
347	0.5	0.25	0.625	310.9	51.8	109.6	319.4	83.3	−71.2	49.9	41.1	319.4	31.2	−26.6	0.375	0.375	b41r	v68m		0.839	0.0	1.0	0.565	0.25	0.625

3 Colours no. *j*=347

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.625	0.435	0.25	0.625	0.489	0.31	0.673
$rgb^*_{Fa,\ 8bit}$	128	64	159	111	64	159	125	79	171
L^*, C^*_{ab}, h_{ab}	43.5	46.7	315.9	46.3	42.9	310.5	50.1	44.6	315.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	5.5	5.5	

3 Colours no. *j*=347

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.625	0.565	0.25	0.625	0.599	0.338	0.674
$olv^*_{Fa,\ 8bit}$	128	64	159	144	64	159	153	86	172
L^*, C^*_{ab}, h_{ab}	43.5	46.7	315.9	49.9	41.1	319.4	52.5	39.2	322.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−in:	12.8	12.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
348	0.5	0.25	0.75	300.0	39.4	107.0	300.2	53.8	−92.4	48.0	53.5	300.2	26.9	−46.2	0.25	0.5	b25r	c83v		0.0	0.173	1.0	0.25	0.337	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
348	0.5	0.25	0.75	300.0	49.6	110.4	315.3	78.5	−77.5	53.0	55.2	315.3	39.3	−38.7	0.25	0.5	b38r	v50m		0.767	0.0	1.0	0.633	0.25	0.75

3 Colours no. *j*=348

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.75	0.25	0.337	0.75	0.413	0.347	0.832
$rgb^*_{Fa,\ 8bit}$	128	64	191	64	86	191	105	89	212
L^*, C^*_{ab}, h_{ab}	44.4	57.8	311.8	48.0	53.5	300.2	51.2	54.3	303.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.6	12.6	3D−it:	4.5	4.5	

3 Colours no. *j*=348

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.75	0.633	0.25	0.75	0.655	0.356	0.843
$olv^*_{Fa,\ 8bit}$	128	64	191	162	64	191	167	91	215
L^*, C^*_{ab}, h_{ab}	44.4	57.8	311.8	53.0	55.2	315.3	53.4	55.4	319.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−in:	12.0	12.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
349	0.5	0.25	0.875	293.4	45.7	89.7	293.9	36.4	−81.9	54.6	56.1	293.9	22.8	−51.2	0.125	0.625	b19r	c69v		0.0	0.309	1.0	0.25	0.443	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
349	0.5	0.25	0.875	293.4	48.3	111.0	312.9	75.5	−81.2	56.2	69.3	312.9	47.2	−50.7	0.125	0.625	b35r	v39m		0.723	0.0	1.0	0.702	0.25	0.875

3 Colours no. *j*=349

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.875	0.25	0.443	0.875	0.417	0.453	0.927
$rgb^*_{Fa,\ 8bit}$	128	64	223	64	113	223	106	116	236
L^*, C^*_{ab}, h_{ab}	45.7	70.2	309.1	54.6	56.1	293.9	60.1	54.5	296.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.5	23.5	3D−it:	6.0	6.0	

3 Colours no. *j*=349

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.875	0.702	0.25	0.875	0.704	0.367	0.94
$olv^*_{Fa,\ 8bit}$	128	64	223	179	64	223	179	94	240
L^*, C^*_{ab}, h_{ab}	45.7	70.2	309.1	56.2	69.3	312.9	63.5	73.3	317.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−in:	20.6	20.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
350	0.5	0.25	1.0	289.1	49.2	80.6	289.9	27.4	−75.7	60.8	60.5	289.9	20.5	−56.8	0.0	0.75	b16r	c62v		0.0	0.383	1.0	0.25	0.537	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
350	0.5	0.25	1.0	289.1	47.5	111.4	311.3	73.5	−83.7	59.5	83.6	311.3	55.1	−62.7	0.0	0.75	b34r	v32m		0.695	0.0	1.0	0.771	0.25	1.0

3 Colours no. *j*=350

output of the elementary colour *e*:

rgb input (in):									
	0.5	0.25	1.0	0.25	0.537	1.0	0.431	0.551	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	128	64	255	64	137	255	110	140	255
L^*, C^*_{ab}, h_{ab}	49.0	94.2	306.3	60.8	60.5	289.9	63.7	57.2	294.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	41.7	41.7	3D−it:	6.1	6.1

3 Colours no. *j*=350

output of the device colour *d*:

rgb input (in):									
	0.5	0.25	1.0	0.771	0.25	1.0	0.75	0.375	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	128	64	255	197	64	255	191	96	255
L^*, C^*_{ab}, h_{ab}	49.0	94.2	306.3	59.5	83.6	311.3	60.2	82.4	313.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.8	16.8	3D−in:	19.9	19.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
351	0.5	0.375	0.0	76.1	73.2	80.5	76.8	18.4	78.4	45.4	40.3	76.8	9.2	39.2	0.5	0.5	r76j	o68y		1.0	0.681	0.0	0.5	0.34	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
351	0.5	0.375	0.0	76.1	86.7	93.7	87.1	4.8	93.6	52.2	46.9	87.1	2.4	46.8	0.5	0.5	r91j	o77y		1.0	0.921	0.0	0.5	0.461	0.0

3 Colours no. *j*=351

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.0	0.5	0.34	0.0	0.543	0.327	0.023
$rgb^*_{Fa,\ 8bit}$	128	96	0	128	87	0	138	83	6
L^*, C^*_{ab}, h_{ab}	47.0	42.9	90.7	45.4	40.3	76.8	49.7	43.5	74.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−it:	5.8	5.8	

3 Colours no. *j*=351

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.0	0.5	0.461	0.0	0.601	0.439	0.039
$olv^*_{Fa,\ 8bit}$	128	96	0	128	117	0	153	112	10
L^*, C^*_{ab}, h_{ab}	47.0	42.9	90.7	52.2	46.9	87.1	55.7	49.3	83.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−in:	12.5	12.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
352	0.5	0.375	0.125	70.9	69.9	79.1	71.0	25.7	74.8	47.0	29.7	71.0	9.6	28.0	0.5	0.375	r67j	o60y		1.0	0.603	0.0	0.5	0.351	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
352	0.5	0.375	0.125	70.9	81.0	86.9	81.5	12.8	86.0	51.1	32.6	81.5	4.8	32.2	0.5	0.375	r83j	o68y		1.0	0.839	0.0	0.5	0.44	0.125

3 Colours no. *j*=352

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.125	0.5	0.351	0.125	0.551	0.349	0.155
$rgb^*_{Fa,\ 8bit}$	128	96	32	128	90	32	140	89	40
L^*, C^*_{ab}, h_{ab}	47.2	32.5	87.6	47.0	29.7	71.0	56.1	33.4	58.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−it:	11.9	11.9	

3 Colours no. *j*=352

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.125	0.5	0.44	0.125	0.581	0.421	0.167
$olv^*_{Fa,\ 8bit}$	128	96	32	128	112	32	148	107	43
L^*, C^*_{ab}, h_{ab}	47.2	32.5	87.6	51.1	32.6	81.5	56.1	37.8	78.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−in:	11.7	11.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
353	0.5	0.375	0.25	60.0	63.5	79.7	58.9	41.2	68.2	48.6	19.9	58.9	10.3	17.1	0.5	0.25	r49j	o43y		1.0	0.434	0.0	0.5	0.358	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
353	0.5	0.375	0.25	60.0	72.5	80.1	70.0	27.4	75.3	50.8	20.0	70.0	6.9	18.8	0.5	0.25	r66j	o50y		1.0	0.666	0.0	0.5	0.416	0.25

3 Colours no. *j*=353

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.25	0.5	0.358	0.25	0.558	0.372	0.245
$rgb^*_{Fa,\ 8bit}$	128	96	64	128	91	64	142	95	62
L^*, C^*_{ab}, h_{ab}	47.6	15.5	70.0	48.6	19.9	58.9	50.1	24.3	50.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.6	5.6	3D−it:	5.6	5.6

3 Colours no. *j*=353

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.25	0.5	0.416	0.25	0.566	0.414	0.257
$olv^*_{Fa,\ 8bit}$	128	96	64	128	106	64	144	105	65
L^*, C^*_{ab}, h_{ab}	47.6	15.5	70.0	50.8	20.0	70.0	54.0	24.6	70.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.5	5.5	3D−in:	11.1	11.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
354	0.5	0.375	0.375	30.0	52.7	81.3	25.5	73.4	34.9	51.2	10.2	25.5	9.2	4.4	0.5	0.125	b99r	m81o		1.0	0.0	0.189	0.5	0.375	0.399
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
354	0.5	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	51.6	10.8	38.2	8.5	6.7	0.5	0.125	r19j	m100o		1.0	0.19	0.0	0.5	0.399	0.375

3 Colours no. *j*=354

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.375	0.5	0.375	0.399	0.55	0.418	0.387
$rgb^*_{Fa,\ 8bit}$	128	96	96	128	96	102	140	107	99
L^*, C^*_{ab}, h_{ab}	48.1	9.6	3.7	51.2	10.2	25.5	54.3	12.6	40.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−it:	4.9	4.9	

3 Colours no. *j*=354

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.375	0.5	0.399	0.375	0.557	0.424	0.372
$olv^*_{Fa,\ 8bit}$	128	96	96	128	102	96	142	108	95
L^*, C^*_{ab}, h_{ab}	48.1	9.6	3.7	51.6	10.8	38.2	56.9	15.2	52.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−in:	14.4	14.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
355	0.5	0.375	0.5	330.0	57.9	105.2	328.6	89.9	−54.7	51.8	13.2	328.6	11.2	−6.7	0.5	0.125	b50r	m02o		1.0	0.0	0.975	0.5	0.375	0.497
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
355	0.5	0.375	0.5	330.0	56.9	108.7	326.7	90.8	−59.6	51.7	13.6	326.7	11.3	−7.4	0.5	0.125	b47r	m00o		0.966	0.0	1.0	0.496	0.375	0.5

3 Colours no. *j*=355

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.5	0.5	0.375	0.497	0.536	0.427	0.502
$rgb^*_{Fa,\ 8bit}$	128	96	128	128	96	127	137	109	128
L^*, C^*_{ab}, h_{ab}	48.7	18.6	320.3	51.8	13.2	328.6	57.4	13.9	343.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−it:	6.7	6.7	

3 Colours no. *j*=355

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.5	0.496	0.375	0.5	0.533	0.425	0.506
$olv^*_{Fa,\ 8bit}$	128	96	128	126	96	128	136	108	129
L^*, C^*_{ab}, h_{ab}	48.7	18.6	320.3	51.7	13.6	326.7	57.4	14.3	339.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.1	6.1	3D−in:	11.1	11.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
356	0.5	0.375	0.625	300.0	39.4	107.1	300.2	53.9	−92.5	52.2	26.8	300.2	13.5	−23.0	0.375	0.25	b25r	c83v		0.0	0.173	1.0	0.375	0.418	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
356	0.5	0.375	0.625	300.0	49.6	110.3	315.4	78.5	−77.4	54.8	27.6	315.4	19.6	−19.3	0.375	0.25	b38r	v50m		0.767	0.0	1.0	0.567	0.375	0.625

3 Colours no. *j*=356

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.625	0.375	0.418	0.625	0.486	0.436	0.673
$rgb^*_{Fa,\ 8bit}$	128	96	159	96	107	159	124	111	172
L^*, C^*_{ab}, h_{ab}	49.3	29.9	309.6	52.2	26.8	300.2	56.1	27.8	307.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	5.2	5.2	

3 Colours no. *j*=356

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.625	0.567	0.375	0.625	0.599	0.447	0.679
$olv^*_{Fa,\ 8bit}$	128	96	159	145	96	159	153	114	173
L^*, C^*_{ab}, h_{ab}	49.3	29.9	309.6	54.8	27.6	315.4	58.0	28.1	320.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−in:	10.4	10.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
357	0.5	0.375 0.75	289.1	49.2	80.6	289.9	27.4	−75.7	58.6	30.2	289.9	10.3	−28.3	0.25	0.375	b16r	c62v		0.0	0.383	1.0	0.375	0.519	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
357	0.5	0.375 0.75	289.1	47.5	111.4	311.3	73.5	−83.7	58.0	41.8	311.3	27.5	−31.3	0.25	0.375	b34r	v32m		0.695	0.0	1.0	0.636	0.375	0.75

3 Colours no. *j*=357

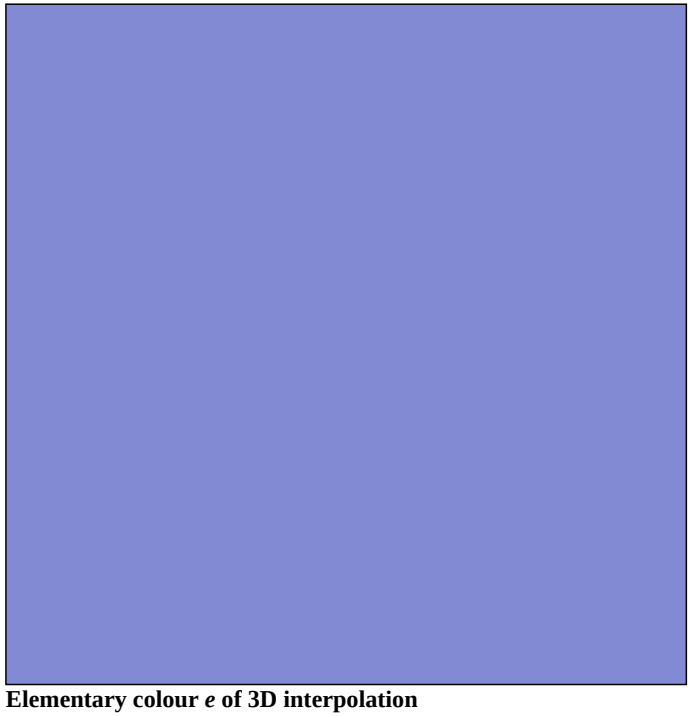
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.75	0.375	0.519	0.75	0.51	0.54	0.828
$rgb^*_{Fa,\ 8bit}$	128	96	191	96	132	191	130	138	211
L^*, C^*_{ab}, h_{ab}	50.1	41.5	305.3	58.6	30.2	289.9	61.2	26.4	293.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.1	17.1	3D−it:	5.0	5.0	

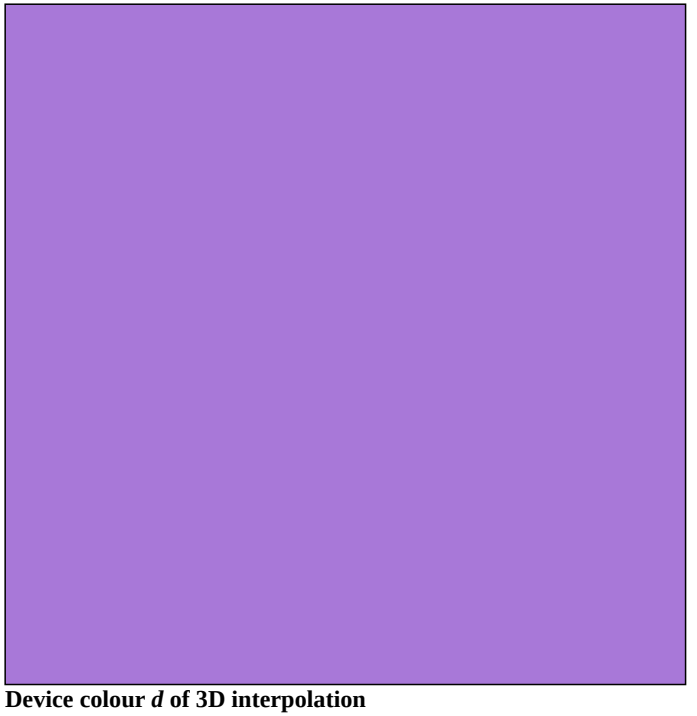
3 Colours no. *j*=357

output of the device colour *d*:

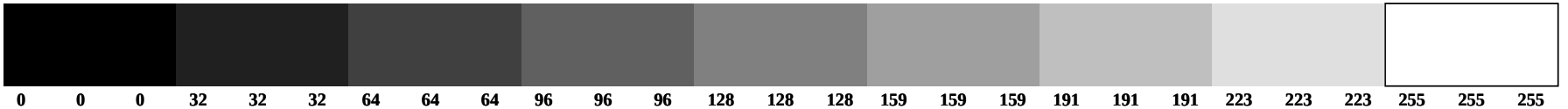
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.75	0.636	0.375	0.75	0.659	0.47	0.849
$olv^*_{Fa,\ 8bit}$	128	96	191	162	96	191	168	120	216
L^*, C^*_{ab}, h_{ab}	50.1	41.5	305.3	58.0	41.8	311.3	61.3	42.1	317.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−in:	14.1	14.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
358	0.5	0.375 0.875	283.9	52.8	72.7	284.9	18.7	−70.1	64.4	36.3	284.9	9.4	−35.0	0.125	0.5	b11r	c55v		0.0	0.455	1.0	0.375	0.602	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
358	0.5	0.375 0.875	283.9	46.5	112.0	309.3	70.9	−86.5	61.2	56.0	309.3	35.5	−43.2	0.125	0.5	b32r	v23m		0.66	0.0	1.0	0.705	0.375	0.875

3 Colours no. *j*=358

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	0.875	0.375	0.602	0.875	0.53	0.63	0.927
$rgb^*_{Fa,\ 8bit}$	128	96	223	96	154	223	135	161	236
L^*, C^*_{ab}, h_{ab}	51.2	54.3	303.4	64.4	36.3	284.9	72.4	34.6	287.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.4	26.4	3D−it:	8.4	8.4	

3 Colours no. *j*=358

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	0.875	0.705	0.375	0.875	0.711	0.488	0.943
$olv^*_{Fa,\ 8bit}$	128	96	223	180	96	223	181	124	240
L^*, C^*_{ab}, h_{ab}	51.2	54.3	303.4	61.2	56.0	309.3	68.4	60.3	314.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−in:	21.4	21.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
359	0.5	0.375	1.0	280.9	54.8	68.1	282.1	14.2	−66.5	70.0	42.5	282.1	8.9	−41.5	0.0	0.625	b09r	c50v		0.0	0.496	1.0	0.375	0.685	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
359	0.5	0.375	1.0	280.9	46.0	112.3	308.2	69.4	−88.2	64.5	70.2	308.2	43.4	−55.1	0.0	0.625	b31r	v18m		0.641	0.0	1.0	0.775	0.375	1.0

3 Colours no. *j*=359

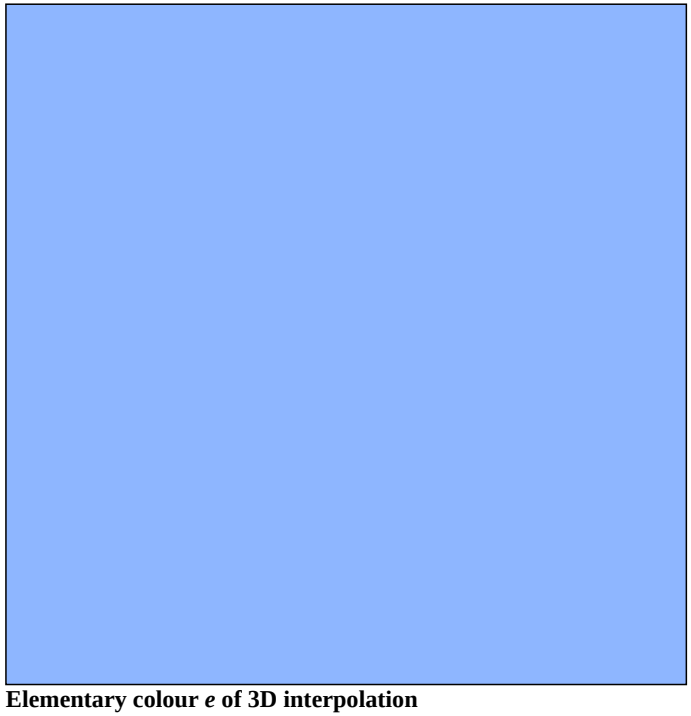
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.375	1.0	0.375	0.685	1.0	0.558	0.715	1.0
$rgb^*_{Fa,\ 8bit}$	128	96	255	96	175	255	142	182	255
L^*, C^*_{ab}, h_{ab}	54.0	79.6	301.9	70.0	42.5	282.1	72.4	38.4	284.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	45.0	45.0	3D−it:	5.0	5.0

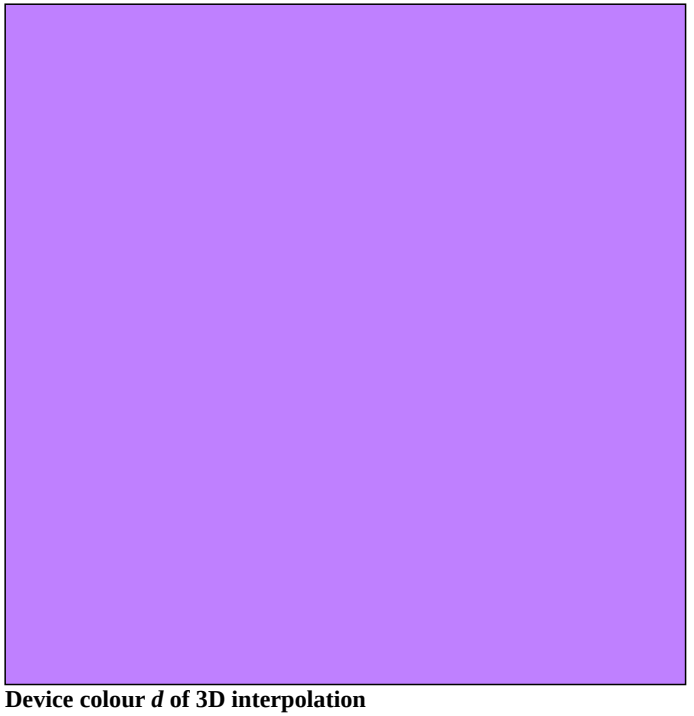
3 Colours no. *j*=359

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.375	1.0	0.775	0.375	1.0	0.75	0.5	1.0
$olv^*_{Fa,\ 8bit}$	128	96	255	198	96	255	191	128	255
L^*, C^*_{ab}, h_{ab}	54.0	79.6	301.9	64.5	70.2	308.2	65.5	69.3	311.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.3	16.3	3D−in:	20.0	20.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
360	0.5	0.5	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	50.7	44.9	92.3	−1.7	44.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
360	0.5	0.5	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	53.9	51.1	101.8	−10.3	50.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	r99j	o88y		1.0	0.884	0.0	0.5	0.442	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	j13g	o100y		0.864	1.0	0.0	0.432	0.5	0.0

3 Colours no. *j*=360

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.0	0.5	0.442	0.0	0.545	0.431	0.035
$rgb^*_{Fa,\ 8bit}$	128	128	0	128	113	0	139	110	9
L^*, C^*_{ab}, h_{ab}	53.5	52.7	104.7	50.7	44.9	92.3	54.4	46.8	90.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.4	13.4	3D−it:	4.4	4.4

3 Colours no. *j*=360

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.0	0.432	0.5	0.0	0.531	0.501	0.021
$olv^*_{Fa,\ 8bit}$	128	128	0	110	128	0	135	128	5
L^*, C^*_{ab}, h_{ab}	53.5	52.7	104.7	53.9	51.1	101.8	54.3	51.5	98.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.1	3.1	3D−in:	6.0	6.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
361	0.5	0.5	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	52.1	33.7	92.3	−1.2	33.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
361	0.5	0.5	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	54.6	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.375	r99j	o88y		1.0	0.884	0.0	0.5	0.457	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.375	j13g	o100y		0.864	1.0	0.0	0.449	0.5	0.125

3 Colours no. *j*=361

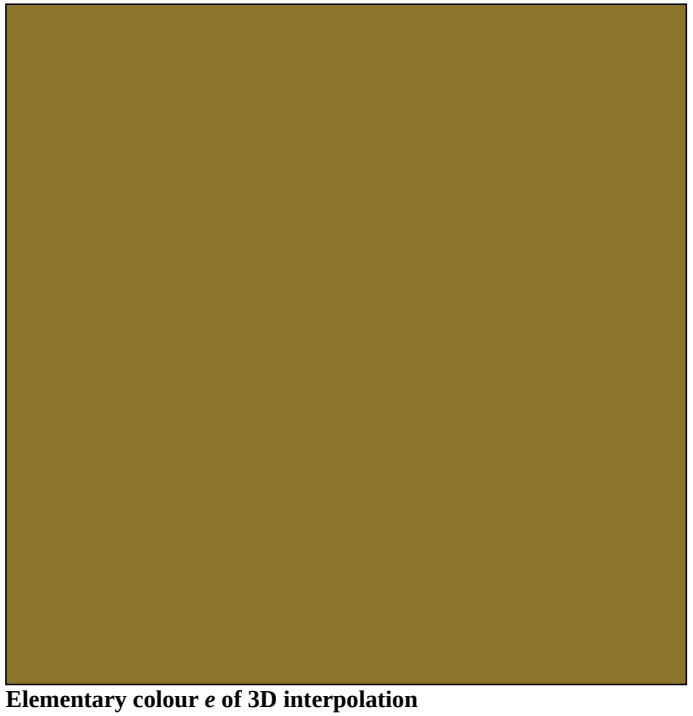
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.125	0.5	0.457	0.125	0.549	0.453	0.166
$rgb^*_{Fa,\ 8bit}$	128	128	32	128	116	32	140	116	42
L^*, C^*_{ab}, h_{ab}	53.7	42.8	105.9	52.1	33.7	92.3	57.1	34.9	87.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.9	12.9	3D−it:	5.8	5.8

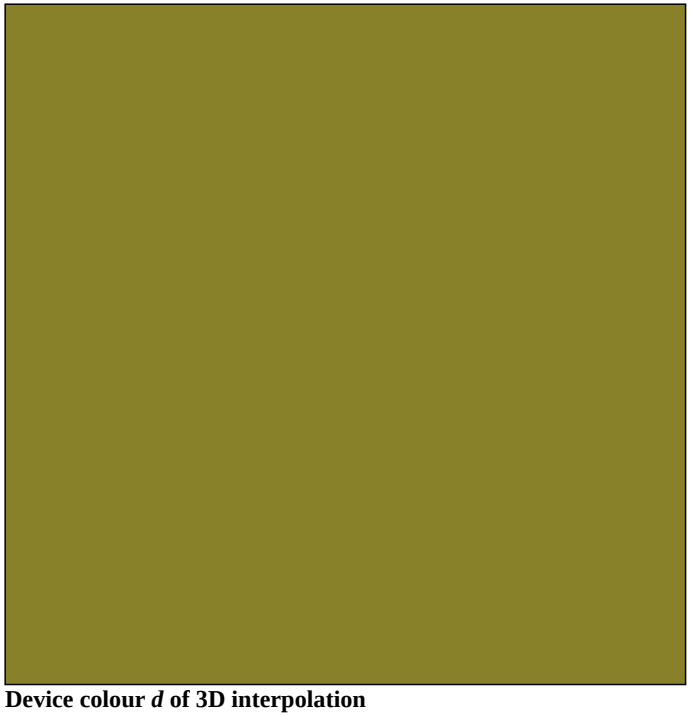
3 Colours no. *j*=361

output of the device colour *d*:

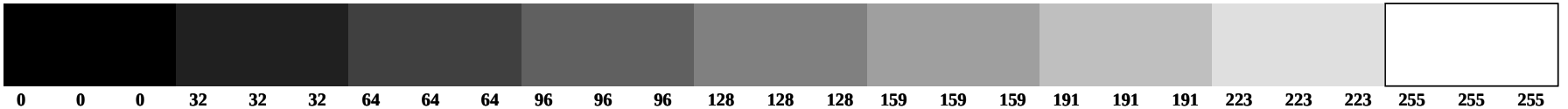
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.125	0.449	0.5	0.125	0.537	0.505	0.161
$olv^*_{Fa,\ 8bit}$	128	128	32	115	128	32	137	129	41
L^*, C^*_{ab}, h_{ab}	53.7	42.8	105.9	54.6	38.3	101.8	55.4	41.3	95.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.4	5.4	3D−in:	7.9	7.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
362	0.5	0.5	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	53.6	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
362	0.5	0.5	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	55.2	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.25	r99j	o88y		1.0	0.884	0.0	0.5	0.471	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.25	j13g	o100y		0.865	1.0	0.0	0.466	0.5	0.25

3 Colours no. *j*=362

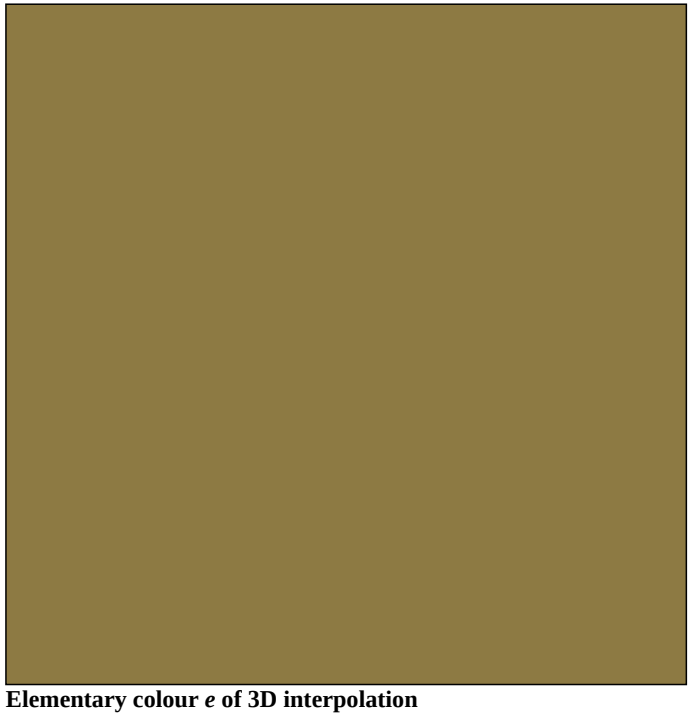
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.25	0.5	0.471	0.25	0.551	0.477	0.261
$rgb^*_{Fa,\ 8bit}$	128	128	64	128	120	64	140	122	67
L^*, C^*_{ab}, h_{ab}	54.0	25.3	108.3	53.6	22.4	92.3	56.1	27.5	85.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−it:	6.3	6.3	

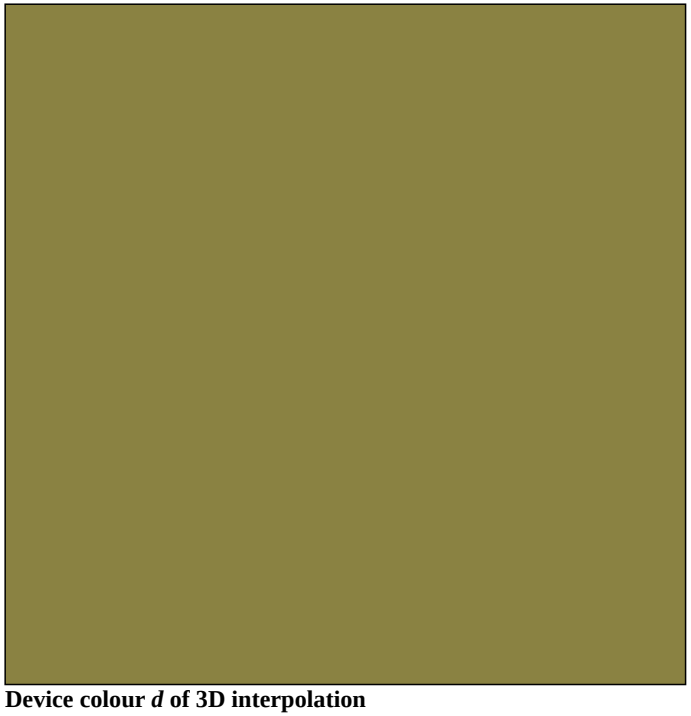
3 Colours no. *j*=362

output of the device colour *d*:

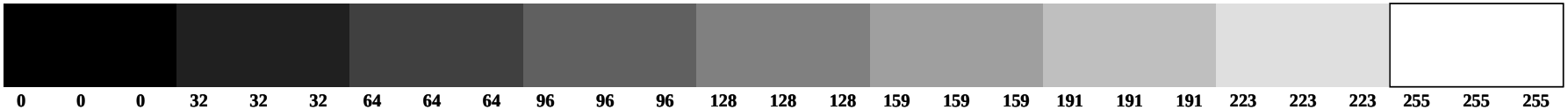
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.25	0.466	0.5	0.25	0.543	0.511	0.259
$olv^*_{Fa,\ 8bit}$	128	128	64	119	128	64	139	130	66
L^*, C^*_{ab}, h_{ab}	54.0	25.3	108.3	55.2	25.6	101.8	56.4	26.2	95.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.2	3.2	3D−in:	6.3	6.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
363	0.5	0.5	0.375	90.0	83.7	89.7	92.3	−3.4	89.7	55.1	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
363	0.5	0.5	0.375	90.0	90.1	102.2	101.8	−20.7	100.1	55.9	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.125	r99j	o88y		1.0	0.884	0.0	0.5	0.485	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.125	j13g	o100y		0.865	1.0	0.0	0.483	0.5	0.375

3 Colours no. *j*=363

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.375	0.5	0.485	0.375	0.544	0.501	0.379
$rgb^*_{Fa,\ 8bit}$	128	128	96	128	124	96	139	128	97
L^*, C^*_{ab}, h_{ab}	54.4	11.0	110.9	55.1	11.2	92.3	55.7	12.5	76.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.7	3.7	3D−it:	3.7	3.7

3 Colours no. *j*=363

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.375	0.483	0.5	0.375	0.539	0.518	0.377
$olv^*_{Fa,\ 8bit}$	128	128	96	123	128	96	137	132	96
L^*, C^*_{ab}, h_{ab}	54.4	11.0	110.9	55.9	12.8	101.8	57.3	14.8	95.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.0	3.0	3D−in:	5.9	5.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
364	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0	0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
364	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0	0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=364

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.2	284.7	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	2.7	2.7	**3D−it:**	2.7	2.7	

3 Colours no. *j*=364

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.2	284.7	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	2.7	2.7	**3D−in:**	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
365	0.5	0.5	0.625	270.0	60.4	57.4	271.8	1.8	−57.2	61.9	7.2	271.8	0.2	−7.1	0.375	0.125	b00r	c39v		0.0	0.613	1.0	0.5	0.577	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
365	0.5	0.5	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	59.8	14.2	304.1	7.9	−11.6	0.375	0.125	b28r	v00m		0.569	0.0	1.0	0.571	0.5	0.625

3 Colours no. *j*=365

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.625	0.5	0.577	0.625	0.568	0.609	0.668
$rgb^*_{Fa,\ 8bit}$	128	128	159	128	147	159	145	155	170
L^*, C^*_{ab}, h_{ab}	55.4	14.3	291.0	61.9	7.2	271.8	63.7	5.8	334.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−it:	7.1	7.1	

3 Colours no. *j*=365

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.625	0.571	0.5	0.625	0.595	0.557	0.683
$olv^*_{Fa,\ 8bit}$	128	128	159	146	128	159	152	142	174
L^*, C^*_{ab}, h_{ab}	55.4	14.3	291.0	59.8	14.2	304.1	63.7	15.7	312.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−in:	10.1	10.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
366	0.5	0.5	0.75	270.0	60.4	57.3	271.8	1.8	−57.2	67.2	14.3	271.8	0.4	−14.2	0.25	0.25	b00r	c39v		0.0	0.613	1.0	0.5	0.653	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
366	0.5	0.5	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	63.2	28.3	304.1	15.9	−23.4	0.25	0.25	b28r	v00m		0.569	0.0	1.0	0.642	0.5	0.75

3 Colours no. *j*=366

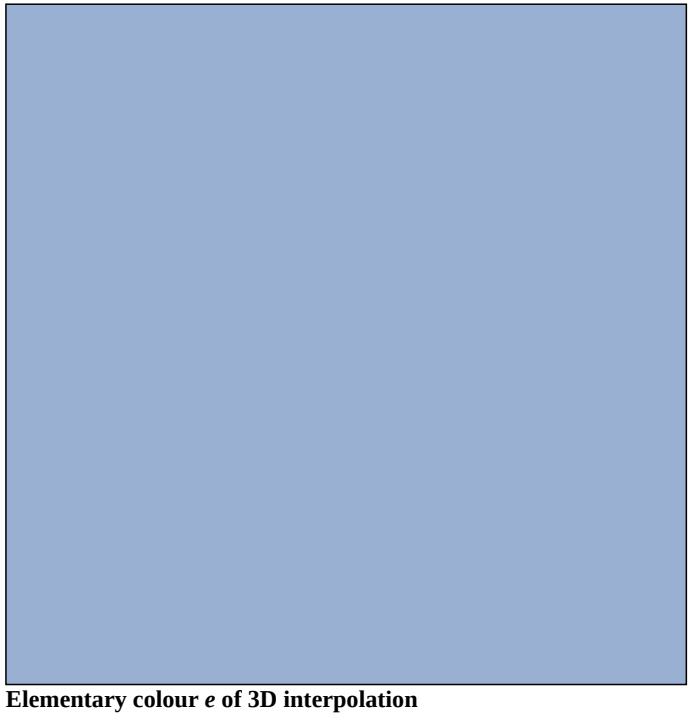
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.75	0.5	0.653	0.75	0.605	0.69	0.826
$rgb^*_{Fa,\ 8bit}$	128	128	191	128	167	191	154	176	211
L^*, C^*_{ab}, h_{ab}	56.1	26.2	292.6	67.2	14.3	271.8	70.7	14.3	284.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.7	17.7	3D−it:	4.6	4.6

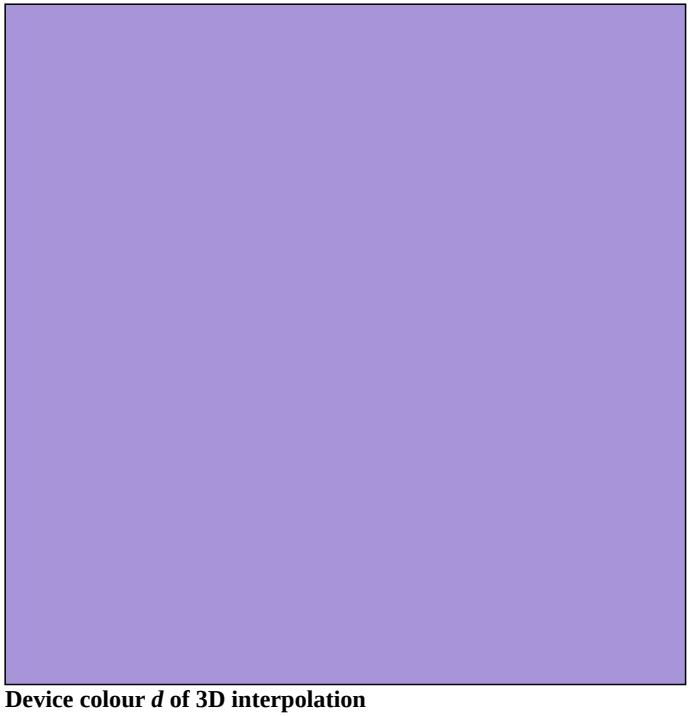
3 Colours no. *j*=366

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.75	0.642	0.5	0.75	0.66	0.585	0.852
$olv^*_{Fa,\ 8bit}$	128	128	191	164	128	191	168	149	217
L^*, C^*_{ab}, h_{ab}	56.1	26.2	292.6	63.2	28.3	304.1	66.5	27.5	312.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.2	9.2	3D−in:	14.0	14.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
367	0.5	0.5	0.875	270.0	60.4	57.3	271.8	1.8	−57.2	72.6	21.5	271.8	0.7	−21.4	0.125	0.375	b00r	c39v		0.0	0.613	1.0	0.5	0.73	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
367	0.5	0.5	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	66.5	42.5	304.1	23.8	−35.1	0.125	0.375	b28r	v00m		0.569	0.0	1.0	0.713	0.5	0.875

3 Colours no. *j*=367

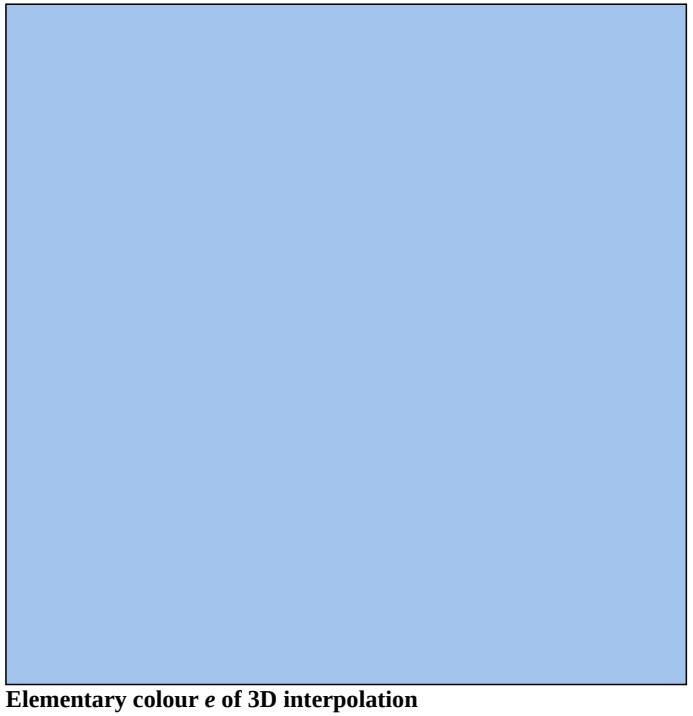
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.875	0.5	0.73	0.875	0.637	0.766	0.926
$rgb^*_{Fa,\ 8bit}$	128	128	223	128	186	223	162	195	236
L^*, C^*_{ab}, h_{ab}	57.0	39.5	294.0	72.6	21.5	271.8	79.6	18.9	293.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.3	26.3	3D−it:	10.7	10.7	

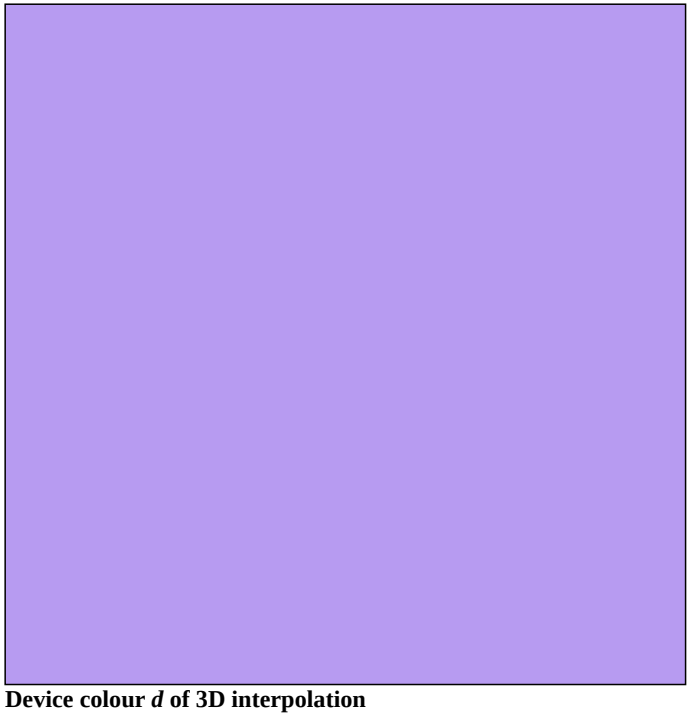
3 Colours no. *j*=367

output of the device colour *d*:

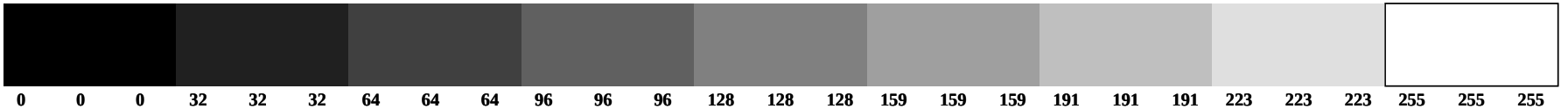
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.875	0.713	0.5	0.875	0.717	0.609	0.945
$olv^*_{Fa,\ 8bit}$	128	128	223	182	128	223	183	155	241
L^*, C^*_{ab}, h_{ab}	57.0	39.5	294.0	66.5	42.5	304.1	71.6	42.1	317.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−in:	22.1	22.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
368	0.5	0.5	1.0	270.0	60.4	57.3	271.7	1.7	−57.2	77.9	28.7	271.7	0.9	−28.5	0.0	0.5	b00r	c39v		0.0	0.613	1.0	0.5	0.806	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
368	0.5	0.5	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	69.8	56.6	304.1	31.7	−46.8	0.0	0.5	b28r	v00m		0.568	0.0	1.0	0.784	0.5	1.0

3 Colours no. *j*=368

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	1.0	0.5	0.806	1.0	0.667	0.835	1.0
$rgb^*_{Fa,\ 8bit}$	128	128	255	128	206	255	170	213	255
L^*, C^*_{ab}, h_{ab}	59.4	65.3	295.9	77.9	28.7	271.7	81.1	23.1	272.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	44.8	44.8	3D−it:	6.4	6.4

3 Colours no. *j*=368

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	1.0	0.784	0.5	1.0	0.782	0.624	1.0
$olv^*_{Fa,\ 8bit}$	128	128	255	200	128	255	199	159	255
L^*, C^*_{ab}, h_{ab}	59.4	65.3	295.9	69.8	56.6	304.1	71.1	55.9	308.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.0	16.0	3D−in:	20.1	20.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
369	0.5	0.625	0.0	100.9	91.9	102.0	105.0	−26.3	98.6	64.1	63.8	105.0	−16.4	61.6	0.375	0.625	j18g	y05l		0.953	1.0	0.0	0.595	0.625	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
369	0.5	0.625	0.0	100.9	89.1	103.3	107.4	−30.7	98.6	62.3	64.5	107.4	−19.2	61.6	0.375	0.625	j21g	y18l		0.785	1.0	0.0	0.49	0.625	0.0

3 Colours no. *j*=369

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.625	0.0	0.595	0.625	0.0	0.64	0.665	0.038
$rgb^*_{Fa,\ 8bit}$	128	159	0	152	159	0	163	170	10
L^*, C^*_{ab}, h_{ab}	59.8	63.5	112.9	64.1	63.8	105.0	66.6	63.7	103.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	3.2	3.2	

3 Colours no. *j*=369

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.625	0.0	0.49	0.625	0.0	0.591	0.646	0.004
$olv^*_{Fa,\ 8bit}$	128	159	0	125	159	0	151	165	1
L^*, C^*_{ab}, h_{ab}	59.8	63.5	112.9	62.3	64.5	107.4	63.1	63.7	103.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	11.2	11.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
370	0.5	0.625 0.125	103.9	90.8	102.1	108.5	−32.3	96.8	64.0	51.0	108.5	−16.1	48.4	0.375	0.5	j23g	y10l		0.9	1.0	0.0	0.575	0.625	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
370	0.5	0.625 0.125	103.9	88.8	103.6	108.9	−33.5	98.0	63.0	51.8	108.9	−16.7	49.0	0.375	0.5	j24g	y23l		0.763	1.0	0.0	0.506	0.625	0.125

3 Colours no. *j*=370

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.625	0.125	0.575	0.625	0.125	0.619	0.665	0.178
$rgb^*_{Fa,\ 8bit}$	128	159	32	147	159	32	158	170	45
L^*, C^*_{ab}, h_{ab}	59.9	54.6	115.1	64.0	51.0	108.5	66.2	54.0	104.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−it:	5.5	5.5	

3 Colours no. *j*=370

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.625	0.125	0.506	0.625	0.125	0.6	0.652	0.163
$olv^*_{Fa,\ 8bit}$	128	159	32	129	159	32	153	166	41
L^*, C^*_{ab}, h_{ab}	59.9	54.6	115.1	63.0	51.8	108.9	64.2	54.0	104.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−in:	11.3	11.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
371	0.5	0.625	0.25	109.1	89.1	103.3	114.6	−42.8	94.0	63.9	38.7	114.6	−16.0	35.2
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
371	0.5	0.625	0.25	109.1	88.4	104.2	111.6	−38.2	96.9	63.6	39.1	111.6	−14.3	36.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.375	j31g	y22l		0.78	1.0	0.0	0.542	0.625	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.375	j27g	y32l		0.725	1.0	0.0	0.522	0.625	0.25

3 Colours no. j=371

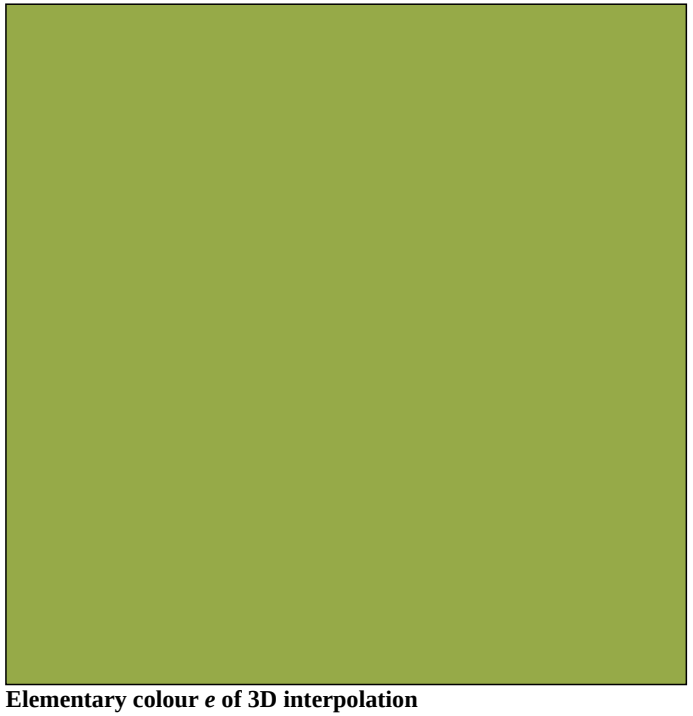
output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.625	0.25	0.542	0.625	0.25	0.589	0.667	0.281
$rgb^*_{Fa,\ 8bit}$	128	159	64	138	159	64	150	170	72
L^*, C^*_{ab}, h_{ab}	60.3	38.4	120.8	63.9	38.7	114.6	68.9	40.4	109.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−it:	6.5	6.5	

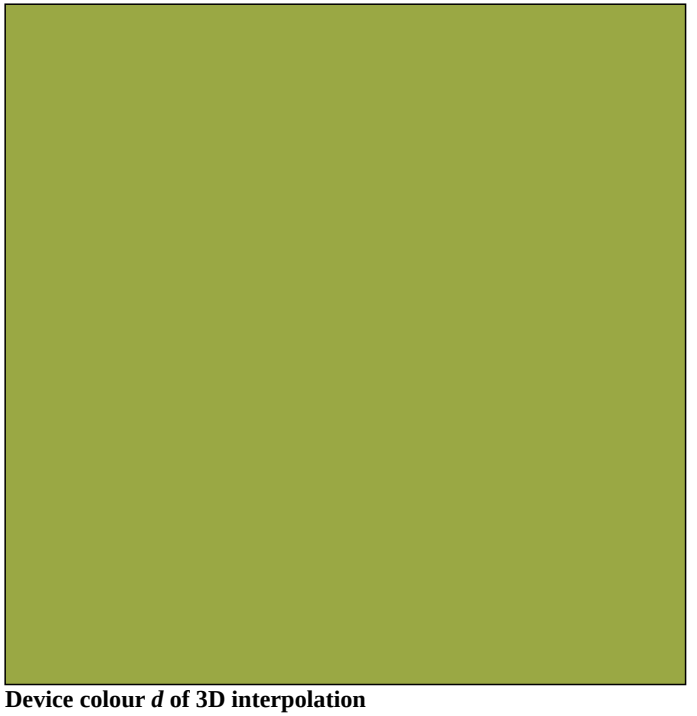
3 Colours no. j=371

output of the device colour d:

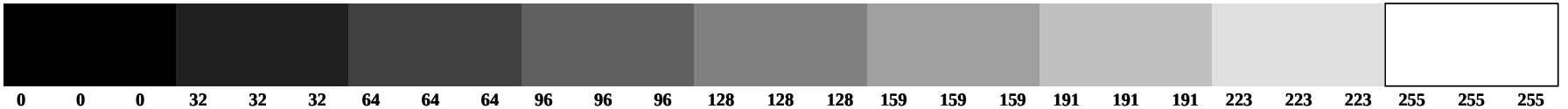
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.625	0.25	0.522	0.625	0.25	0.605	0.659	0.268
$olv^*_{Fa,\ 8bit}$	128	159	64	133	159	64	154	168	68
L^*, C^*_{ab}, h_{ab}	60.3	38.4	120.8	63.6	39.1	111.6	65.3	38.0	105.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−in:	11.6	11.6	



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
372	0.5	0.625	0.375	120.0	85.7	111.8	127.2	−67.5	89.0	63.8	27.9	127.2	−16.8	22.2
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
372	0.5	0.625	0.375	120.0	87.6	105.9	117.1	−48.2	94.2	64.3	26.5	117.1	−12.0	23.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.25	j49g	y61l		0.386	1.0	0.0	0.471	0.625	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.25	j35g	y50l		0.645	1.0	0.0	0.536	0.625	0.375

3 Colours no. j=372

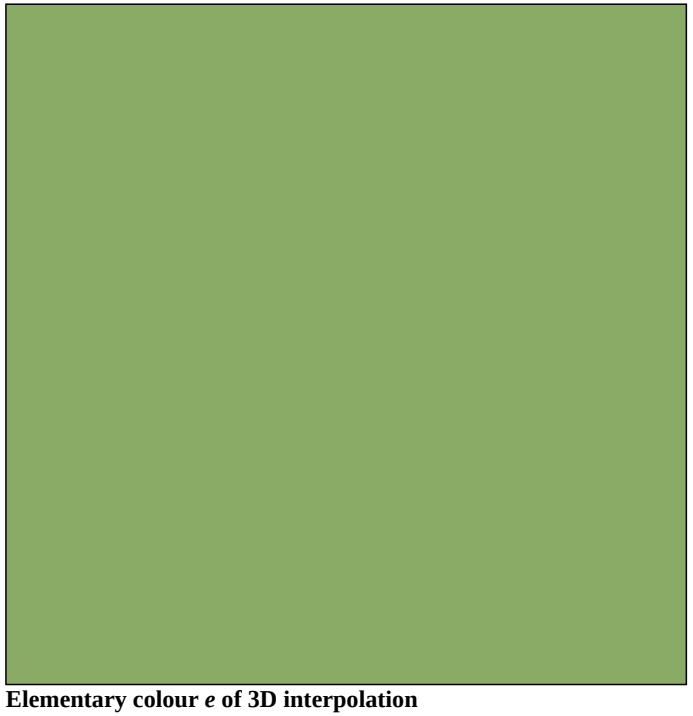
output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.625	0.375	0.471	0.625	0.375	0.54	0.672	0.399
$rgb^*_{Fa,\ 8bit}$	128	159	96	120	159	96	138	171	102
L^*, C^*_{ab}, h_{ab}	60.6	25.3	129.0	63.8	27.9	127.2	67.1	29.5	122.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.3	4.3	3D−it:	4.3	4.3	

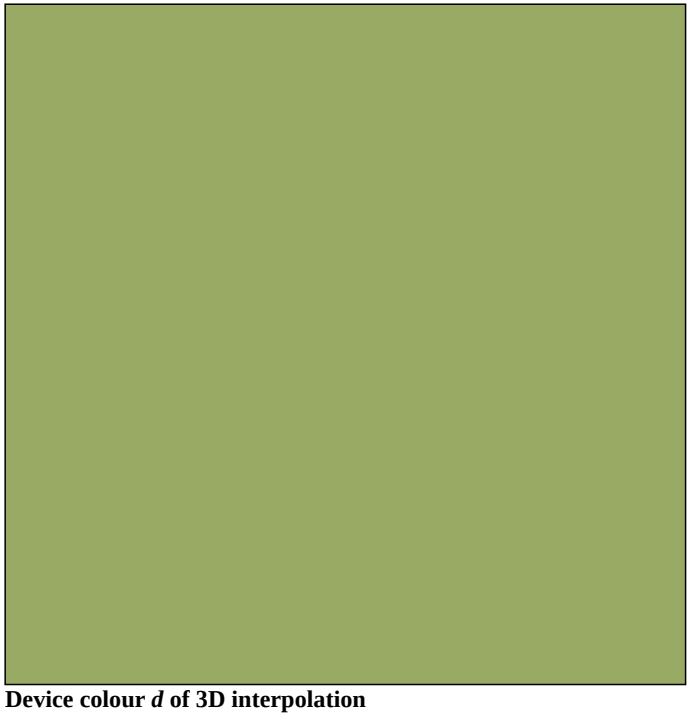
3 Colours no. j=372

output of the device colour d:

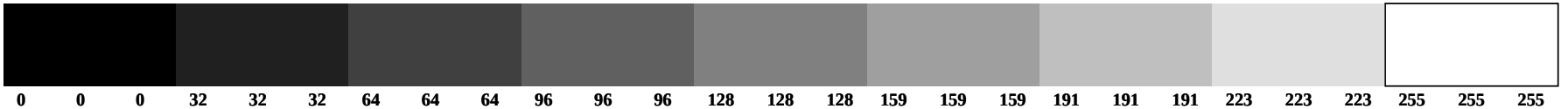
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.625	0.375	0.536	0.625	0.375	0.601	0.667	0.395
$olv^*_{Fa,\ 8bit}$	128	159	96	137	159	96	153	170	101
L^*, C^*_{ab}, h_{ab}	60.6	25.3	129.0	64.3	26.5	117.1	69.2	28.3	107.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−in:	13.4	13.4	



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
373	0.5	0.625	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	65.0	7.9	162.2	−7.5	2.4	0.375	0.125	j99g	l77c		0.0	1.0	0.774	0.5	0.625	0.597
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
373	0.5	0.625	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	65.1	13.8	132.5	−9.3	10.2	0.375	0.125	j57g	y100l		0.425	1.0	0.0	0.553	0.625	0.5

3 Colours no. *j*=373

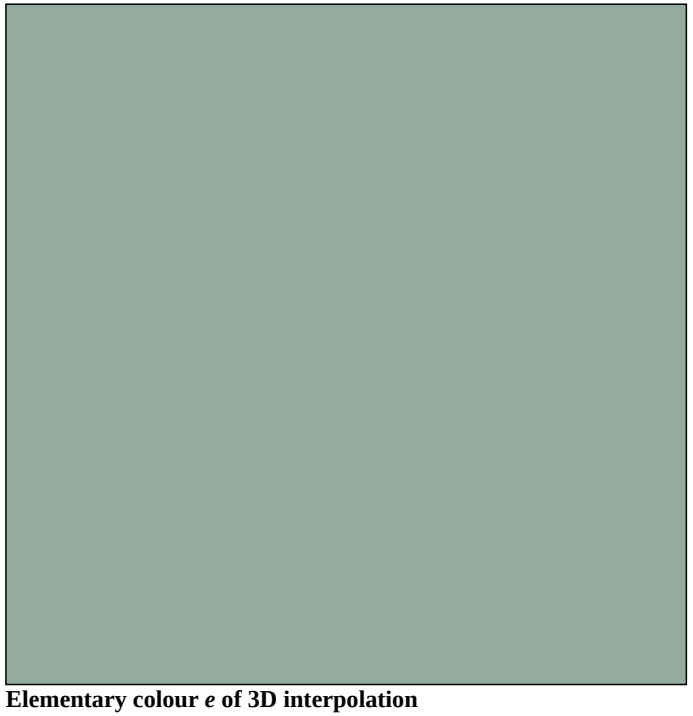
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.625	0.5	0.5	0.625	0.597	0.575	0.673	0.618
$rgb^*_{Fa,\ 8bit}$	128	159	128	128	159	152	147	172	158
L^*, C^*_{ab}, h_{ab}	61.0	13.8	148.1	65.0	7.9	162.2	70.0	9.9	138.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.6	7.6	3D−it:	6.5	6.5

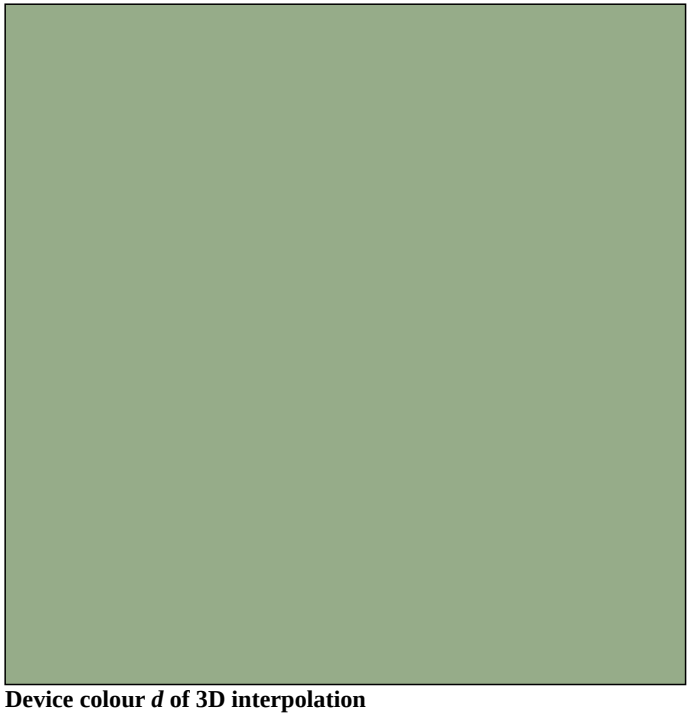
3 Colours no. *j*=373

output of the device colour *d*:

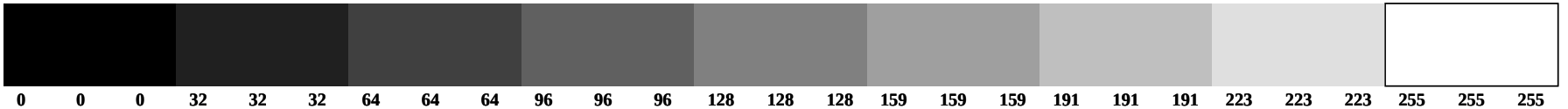
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.625	0.5	0.553	0.625	0.5	0.59	0.676	0.539
$olv^*_{Fa,\ 8bit}$	128	159	128	141	159	128	150	172	137
L^*, C^*_{ab}, h_{ab}	61.0	13.8	148.1	65.1	13.8	132.5	69.6	13.2	121.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.5	5.5	3D−in:	10.7	10.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
374	0.5	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	64.4	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
374	0.5	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.9	65.0	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.125	g50b	c08v		0.0	0.925	1.0	0.5	0.616	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.125	g31b	c00v		0.0	1.0	0.63	0.5	0.625	0.579

3 Colours no. *j*=374

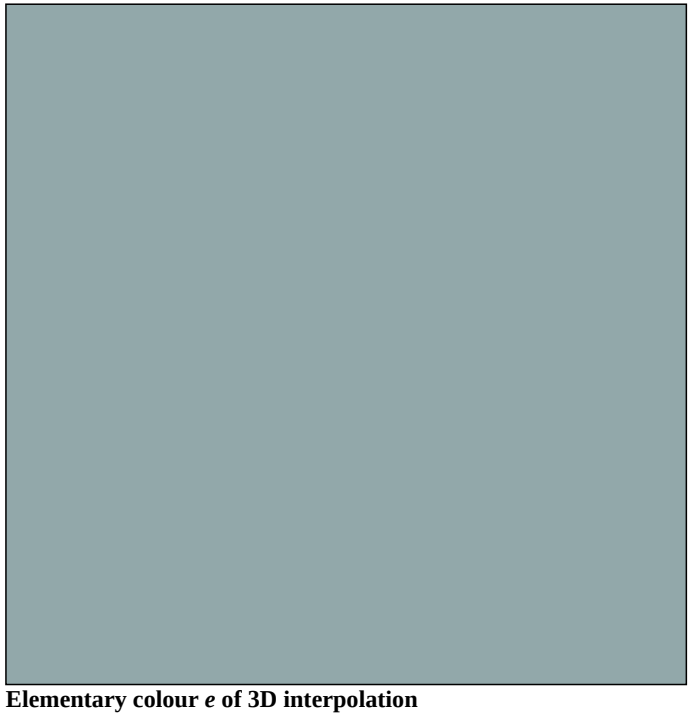
output of the elementary colour *e*:

	***rgb* input (in):**			**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.625	0.625	0.5	0.616	0.625	0.572	0.657	0.668
$rgb^*_{Fa,\ 8bit}$	128	159	159	128	157	159	146	168	170
L^*, C^*_{ab}, h_{ab}	61.5	8.2	207.9	64.4	5.5	217.0	67.3	3.1	242.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.2	4.2	

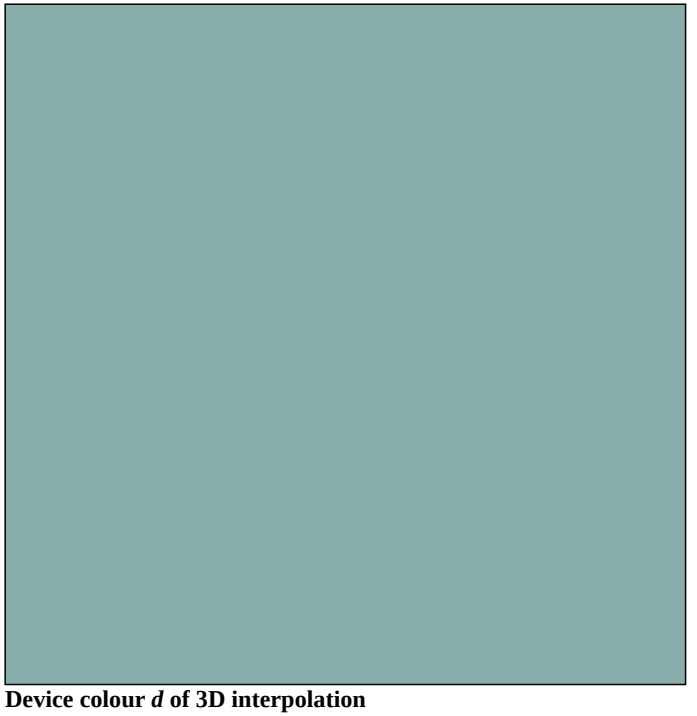
3 Colours no. *j*=374

output of the device colour *d*:

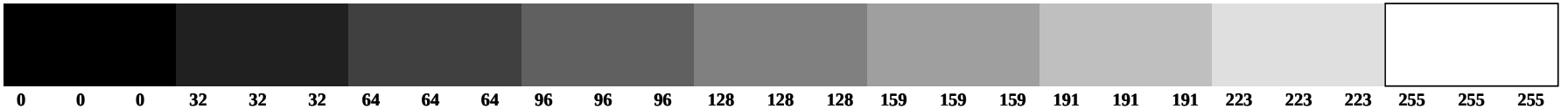
	***rgb* input (in):**			**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.625	0.625	0.5	0.625	0.579	0.536	0.678	0.67
$olv^*_{Fa,\ 8bit}$	128	159	159	128	159	148	137	173	171
L^*, C^*_{ab}, h_{ab}	61.5	8.2	207.9	65.0	9.1	196.7	68.5	7.4	190.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	7.5	7.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
375	0.5	0.625 0.75	240.0	71.1	44.7	244.4	−19.2 −40.3	69.9	11.2	244.4	−4.7	−10.0	0.25	0.25	g75b	c20v		0.0	0.802 1.0	0.5	0.701 0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
375	0.5	0.625 0.75	240.0	49.5	79.9	250.4	−26.7 −75.2	64.5	20.0	250.4	−6.6	−18.7	0.25	0.25	g80b	c50v		0.0	0.389 1.0	0.5	0.597 0.75

3 Colours no. *j*=375

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.625 0.75	0.5	0.701	0.75	0.606	0.742	0.826
$rgb^*_{Fa,\ 8bit}$	128	159 191	128	179	191	155	189	211
L^*, C^*_{ab}, h_{ab}	62.0	15.0 260.5	69.9	11.2	244.4	70.7	6.8	247.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.5	9.5	3D−it:	4.5	4.5

3 Colours no. *j*=375

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.625 0.75	0.5	0.597	0.75	0.453	0.673	0.825
$olv^*_{Fa,\ 8bit}$	128	159 191	128	152	191	115	172	210
L^*, C^*_{ab}, h_{ab}	62.0	15.0 260.5	64.5	20.0	250.4	69.3	16.7	257.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−in:	7.5	7.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
376	0.5	0.625	0.875	250.9	67.8	46.9	254.3	−12.6	−45.0	75.3	17.6	254.3	−4.7	−16.8	0.125	0.375	g83b	c25v		0.0	0.75	1.0	0.5	0.781	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
376	0.5	0.625	0.875	250.9	35.4	119.0	269.9	−0.1	−118.9	63.2	44.6	269.9	0.0	−44.5	0.125	0.375	g97b	c68v		0.0	0.033	1.0	0.5	0.513	0.875

3 Colours no. j=376

output of the elementary colour e:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.625	0.875	0.5	0.781	0.875	0.637	0.814	0.925
$rgb^*_{Fa,\ 8bit}$	128	159	223	128	199	223	162	207	236
L^*, C^*_{ab}, h_{ab}	62.8	26.9	277.0	75.3	17.6	254.3	80.0	14.1	259.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.8	17.8	3D−it:	5.9	5.9	

3 Colours no. j=376

output of the device colour d:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.625	0.875	0.5	0.513	0.875	0.279	0.647	0.962
$olv^*_{Fa,\ 8bit}$	128	159	223	128	131	223	71	165	245
L^*, C^*_{ab}, h_{ab}	62.8	26.9	277.0	63.2	44.6	269.9	71.0	39.7	273.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.2	18.2	3D−in:	15.3	15.3	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
377	0.5	0.625	1.0	256.1	65.8	49.6	259.1	−9.3	−48.6	80.6	24.8	259.1	−4.6	−24.2	0.0	0.5	g88b	c29v		0.0	0.714	1.0	0.5	0.857	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
377	0.5	0.625	1.0	256.1	35.6	120.1	279.2	19.2	−118.5	65.5	60.1	279.2	9.6	−59.2	0.0	0.5	b06r	c77v		0.132	0.0	1.0	0.566	0.5	1.0

3 Colours no. *j*=377

output of the elementary colour *e*:

rgb input (in):									
	0.5	0.625	1.0	0.5	0.857	1.0	0.664	0.88	1.0
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	128	159	255	128	219	255	169	225	255
L^*, C^*_{ab}, h_{ab}	64.9	52.2	287.5	80.6	24.8	259.1	81.6	23.3	262.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.2	36.2	3D−it:	2.2	2.2	

3 Colours no. *j*=377

output of the device colour *d*:

rgb input (in):									
	0.5	0.625	1.0	0.566	0.5	1.0	0.315	0.624	1.0
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	128	159	255	144	128	255	80	159	255
L^*, C^*_{ab}, h_{ab}	64.9	52.2	287.5	65.5	60.1	279.2	67.5	53.1	281.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
378	0.5	0.75	0.0	109.1	89.1	103.3	114.6	−42.9	94.0	71.2	77.5	114.6	−32.1	70.5	0.25	0.75	j32g	y22l		0.78	1.0	0.0	0.585	0.75	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
378	0.5	0.75	0.0	109.1	88.4	104.2	111.6	−38.2	96.9	70.7	78.2	111.6	−28.7	72.7	0.25	0.75	j27g	y32l		0.724	1.0	0.0	0.543	0.75	0.0

3 Colours no. *j*=378

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.0	0.585	0.75	0.0	0.606	0.8	0.03
$rgb^*_{Fa,\ 8bit}$	128	191	0	149	191	0	155	204	8
L^*, C^*_{ab}, h_{ab}	66.7	75.7	118.2	71.2	77.5	114.6	77.8	78.2	110.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	8.6	8.6	

3 Colours no. *j*=378

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.0	0.543	0.75	0.0	0.638	0.786	0.0
$olv^*_{Fa,\ 8bit}$	128	191	0	139	191	0	163	201	0
L^*, C^*_{ab}, h_{ab}	66.7	75.7	118.2	70.7	78.2	111.6	73.3	80.8	108.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	15.2	15.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
379	0.5	0.75	0.125	113.4	87.7	105.7	119.6	−52.1	91.9	71.2	66.1	119.6	−32.5	57.4
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
379	0.5	0.75	0.125	113.4	88.1	104.9	113.8	−42.2	96.0	71.4	65.6	113.8	−26.3	60.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.625	j39g	y35l		0.653	1.0	0.0	0.533	0.75	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.625	j30g	y39l		0.693	1.0	0.0	0.558	0.75	0.125

3 Colours no. *j*=379

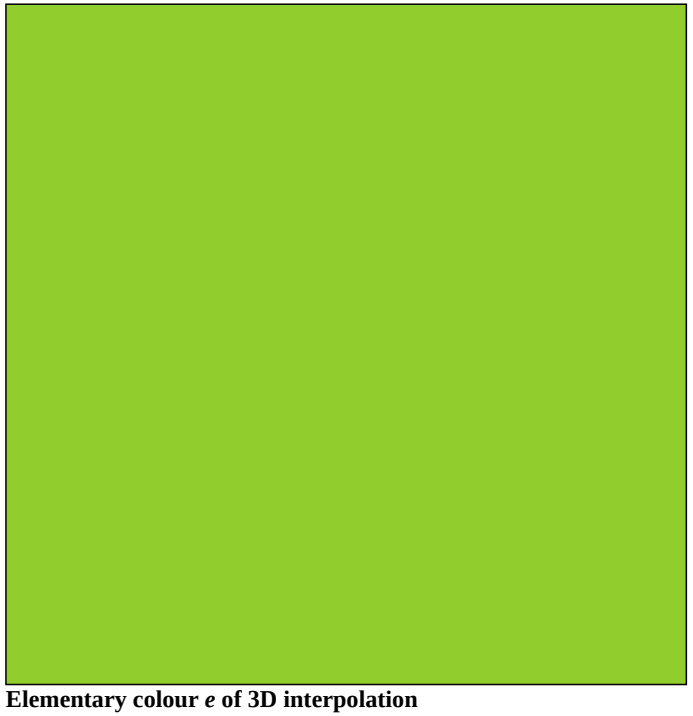
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.125	0.533	0.75	0.125	0.574	0.802	0.18
$rgb^*_{Fa,\ 8bit}$	128	191	32	136	191	32	146	204	46
L^*, C^*_{ab}, h_{ab}	66.9	67.8	120.4	71.2	66.1	119.6	75.4	66.1	117.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.7	4.7	3D−it:	4.7	4.7	

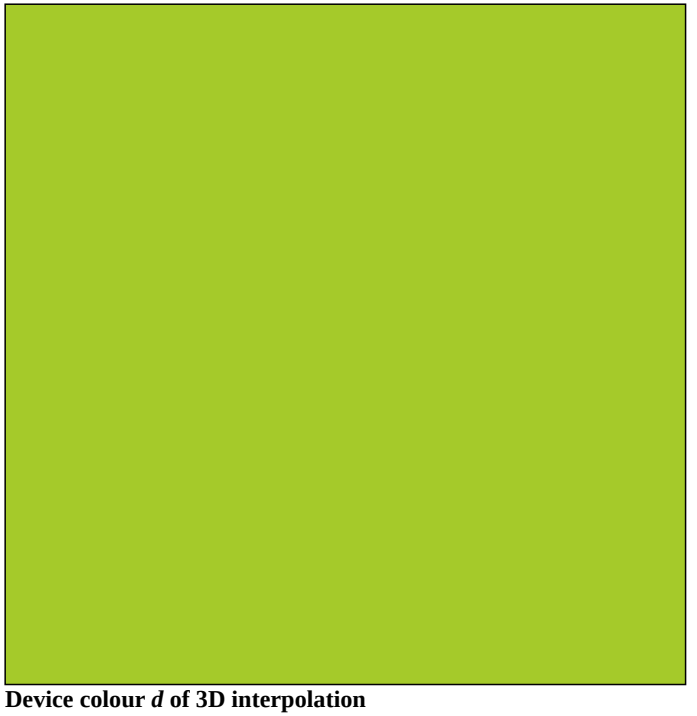
3 Colours no. *j*=379

output of the device colour *d*:

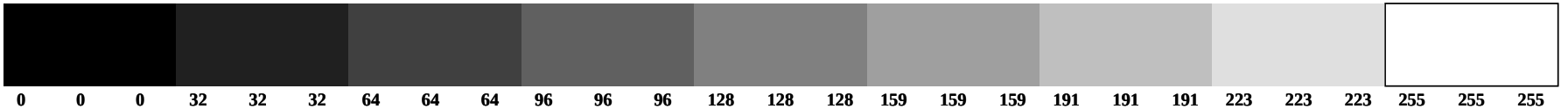
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.125	0.558	0.75	0.125	0.646	0.792	0.165
$olv^*_{Fa,\ 8bit}$	128	191	32	142	191	32	165	202	42
L^*, C^*_{ab}, h_{ab}	66.9	67.8	120.4	71.4	65.6	113.8	74.5	65.8	112.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−in:	12.3	12.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
380	0.5	0.75	0.25	120.0	85.7	111.8	127.3	−67.6	89.0	71.1	55.9	127.3	−33.7	44.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
380	0.5	0.75	0.25	120.0	87.6	105.9	117.1	−48.2	94.2	72.1	52.9	117.1	−24.0	47.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.5	j49g	y61l		0.385	1.0	0.0	0.443	0.75	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.5	j35g	y50l		0.645	1.0	0.0	0.572	0.75	0.25

3 Colours no. *j*=380

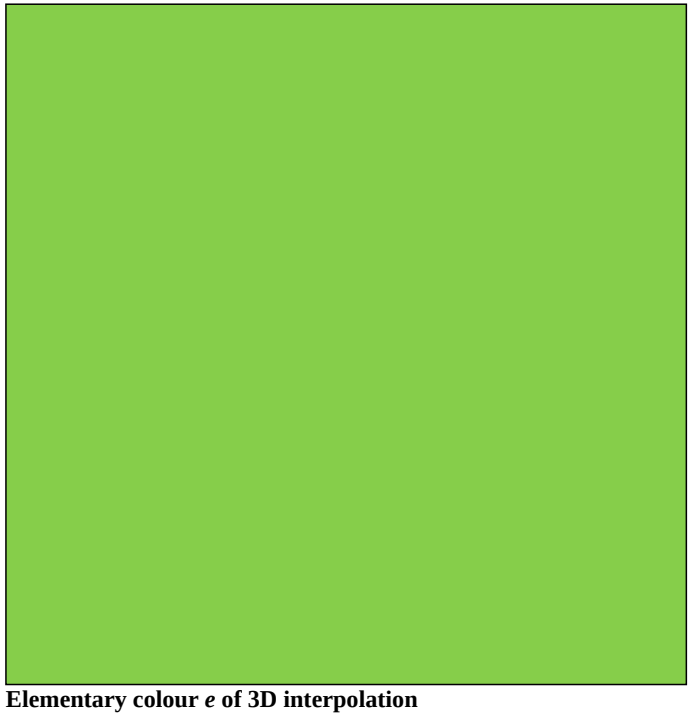
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.25	0.443	0.75	0.25	0.526	0.806	0.289
$rgb^*_{Fa,\ 8bit}$	128	191	64	113	191	64	134	206	74
L^*, C^*_{ab}, h_{ab}	67.1	53.0	126.0	71.1	55.9	127.3	75.1	55.7	124.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−it:	5.1	5.1	

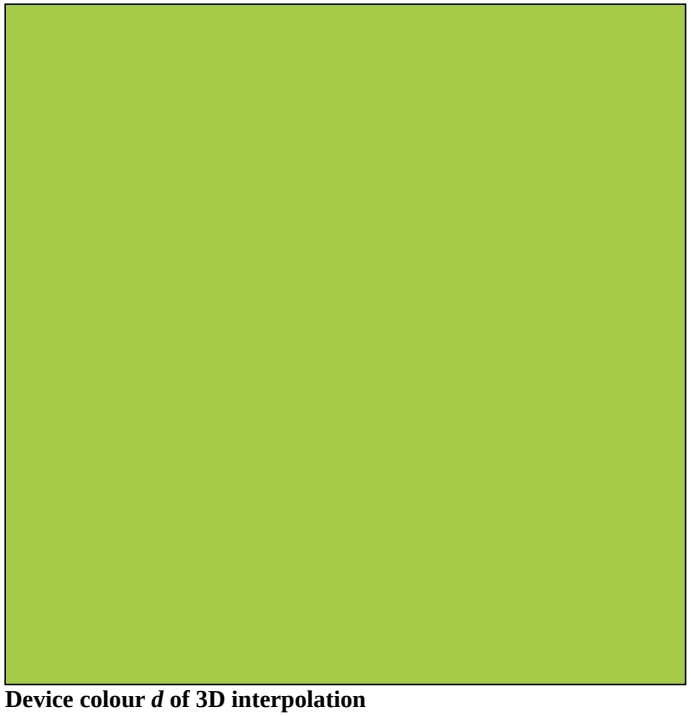
3 Colours no. *j*=380

output of the device colour *d*:

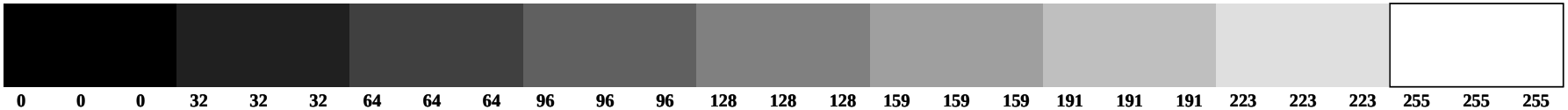
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.25	0.572	0.75	0.25	0.65	0.798	0.281
$olv^*_{Fa,\ 8bit}$	128	191	64	146	191	64	166	204	72
L^*, C^*_{ab}, h_{ab}	67.1	53.0	126.0	72.1	52.9	117.1	75.6	53.6	114.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	13.9	13.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
381	0.5	0.75	0.375	130.9	84.6	98.1	139.9	−75.0	63.1	71.9	36.8	139.9	−28.1	23.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
381	0.5	0.75	0.375	130.9	87.0	107.6	122.7	−58.0	90.5	72.8	40.3	122.7	−21.7	33.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.375	j67g	l29c		0.0	1.0	0.285	0.375	0.75	0.482
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.375	j43g	y68l		0.565	1.0	0.0	0.587	0.75	0.375

3 Colours no. *j*=381

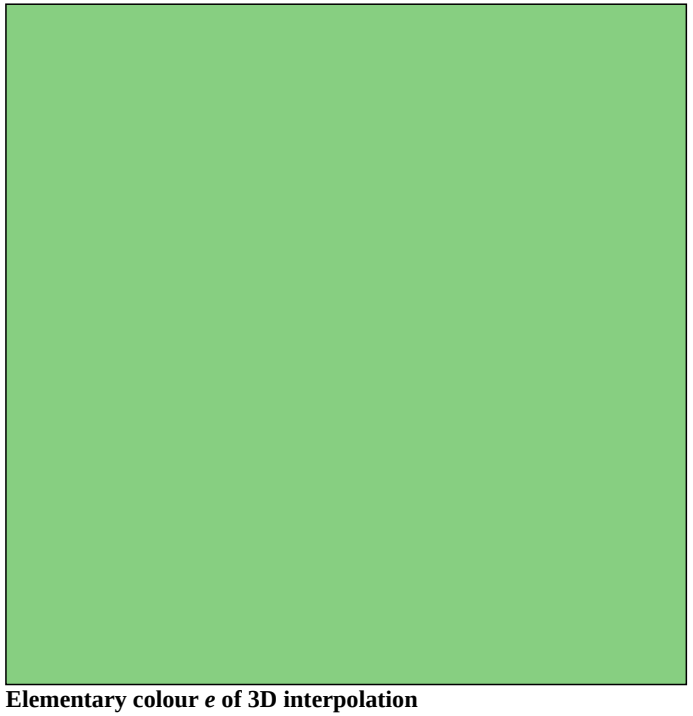
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.375	0.375	0.75	0.482	0.528	0.811	0.506
$rgb^*_{Fa,\ 8bit}$	128	191	96	96	191	123	135	207	129
L^*, C^*_{ab}, h_{ab}	67.4	40.7	133.0	71.9	36.8	139.9	77.2	36.6	133.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−it:	6.6	6.6	

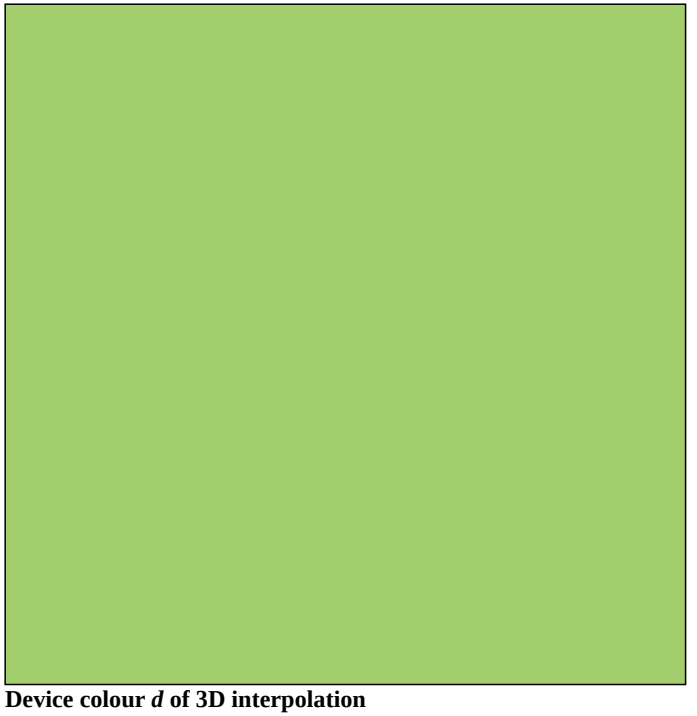
3 Colours no. *j*=381

output of the device colour *d*:

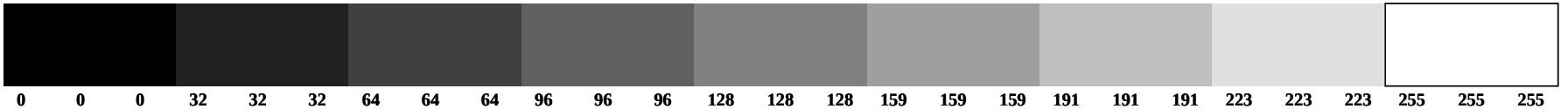
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.375	0.587	0.75	0.375	0.635	0.809	0.426
$olv^*_{Fa,\ 8bit}$	128	191	96	150	191	96	162	206	109
L^*, C^*_{ab}, h_{ab}	67.4	40.7	133.0	72.8	40.3	122.7	76.7	40.4	118.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−in:	14.0	14.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
382	0.5	0.75	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	73.5	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
382	0.5	0.75	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	73.6	27.7	132.5	−18.6	20.4

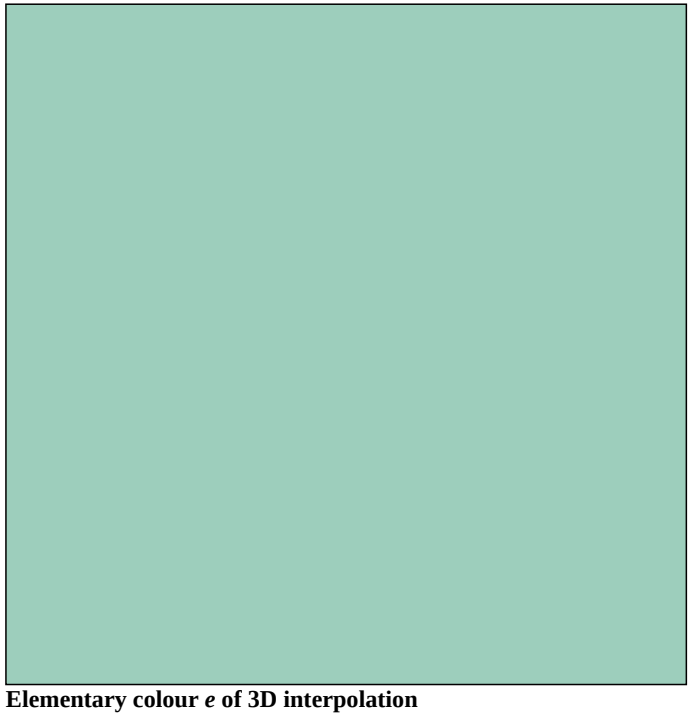
n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.25	j99g	l77c		0.0	1.0	0.774	0.5	0.75	0.694
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.25	j57g	y100l		0.425	1.0	0.0	0.606	0.75	0.5

3 Colours no. *j*=382

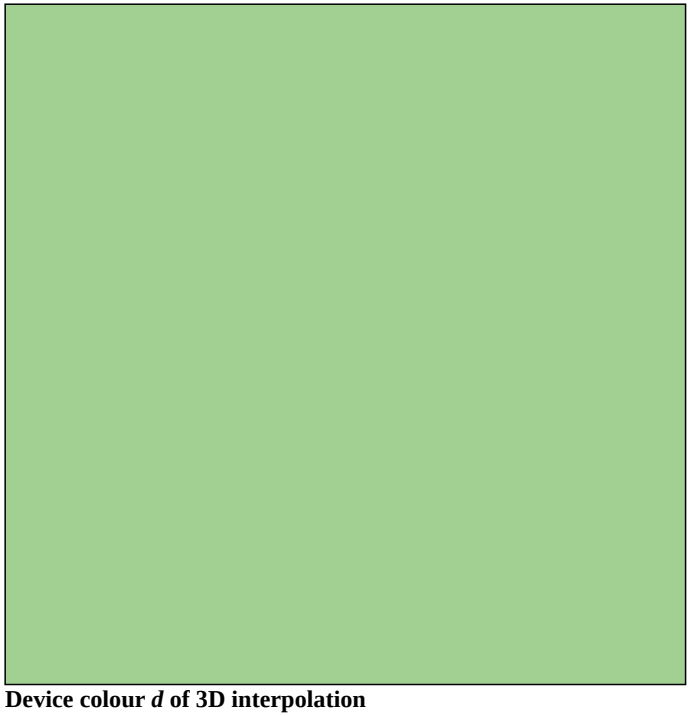
rgb input (in):			output of the elementary colour *e*: linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.5	0.5	0.75	0.694	0.616	0.809	0.736
$rgb^*_{Fa,\ 8bit}$	128	191	128	128	191	177	157	206	188
L^*, C^*_{ab}, h_{ab}	67.7	29.6	143.4	73.5	15.9	162.2	79.7	12.7	134.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.5	16.5	3D−it:	9.8	9.8	

3 Colours no. *j*=382

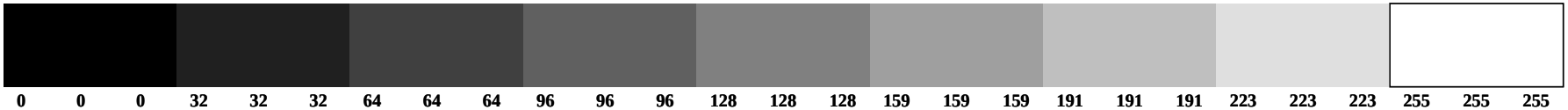
rgb input (in):			output of the device colour *d*: linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.5	0.606	0.75	0.5	0.635	0.816	0.576
$olv^*_{Fa,\ 8bit}$	128	191	128	155	191	128	162	208	147
L^*, C^*_{ab}, h_{ab}	67.7	29.6	143.4	73.6	27.7	132.5	78.6	28.7	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	14.3	14.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
383	0.5	0.75	0.625	180.0	87.0	49.2	189.6	−48.4	−8.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
383	0.5	0.75	0.625	180.0	84.4	116.1	164.6	−111.8	30.8

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
73.9	12.3	189.6	−12.0	−2.0
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
73.2	29.0	164.6	−27.9	7.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.25	g25b	l97c		0.0	1.0	0.967	0.5	0.75	0.742
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.25	g02b	l50c		0.0	1.0	0.043	0.5	0.75	0.511

3 Colours no. *j*=383

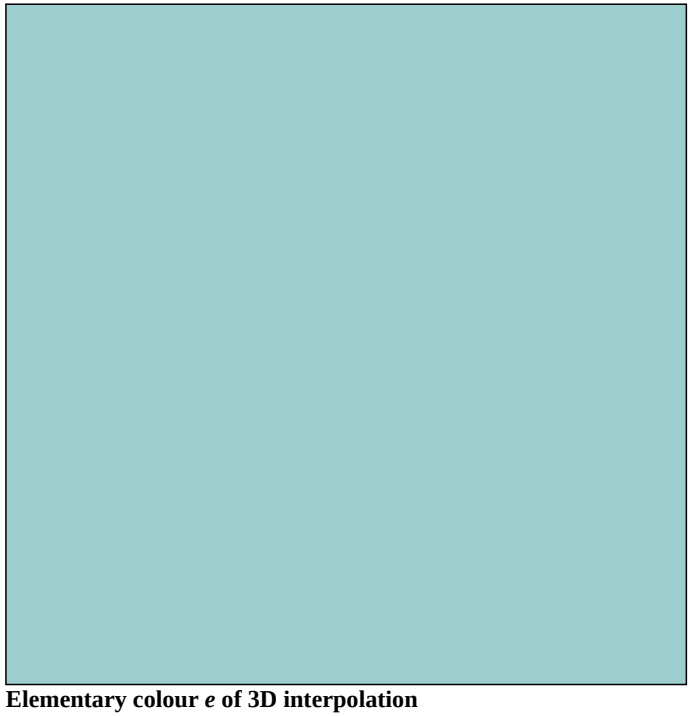
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.625	0.5	0.75	0.742	0.62	0.809	0.809
$rgb^*_{Fa,\ 8bit}$	128	191	159	128	191	189	158	206	206
L^*, C^*_{ab}, h_{ab}	68.1	20.9	161.6	73.9	12.3	189.6	79.7	8.9	176.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−it:	7.1	7.1	

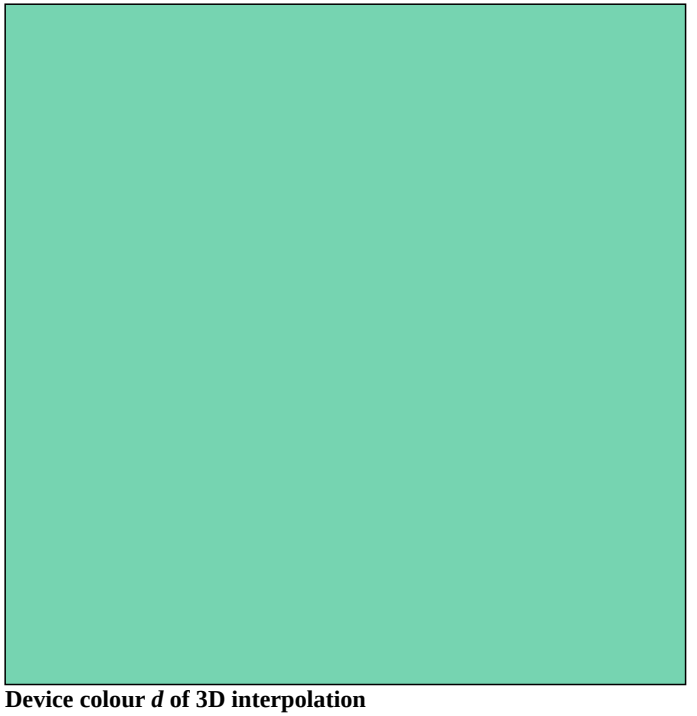
3 Colours no. *j*=383

output of the device colour *d*:

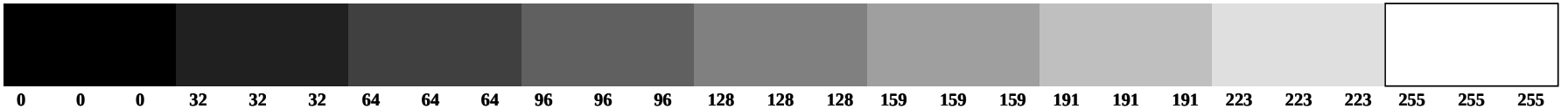
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.625	0.5	0.75	0.511	0.463	0.832	0.696
$olv^*_{Fa,\ 8bit}$	128	191	159	128	191	130	118	212	178
L^*, C^*_{ab}, h_{ab}	68.1	20.9	161.6	73.2	29.0	164.6	76.4	28.4	163.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−in:	11.2	11.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
384	0.5	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	72.2	10.9	217.0	−8.6	−6.5	0.25	0.25	g50b	c08v		0.0	0.925	1.0	0.5	0.731	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
384	0.5	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	73.4	18.2	196.7	−17.3	−5.1	0.25	0.25	g31b	c00v		0.0	1.0	0.63	0.5	0.75	0.658

3 Colours no. *j*=384

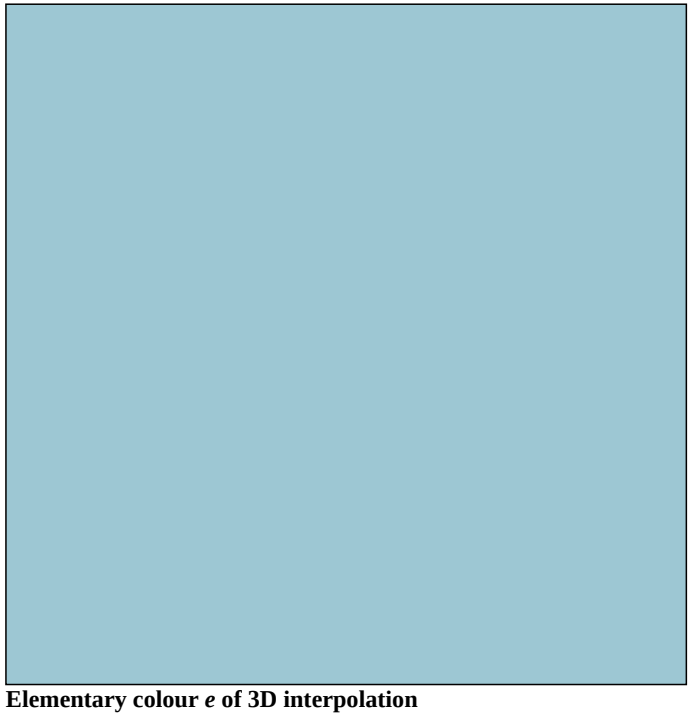
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.75	0.75	0.5	0.731	0.75	0.614	0.781	0.827
$rgb^*_{Fa,\ 8bit}$	128	191	191	128	186	191	156	199	211
L^*, C^*_{ab}, h_{ab}	68.6	15.9	195.9	72.2	10.9	217.0	74.4	7.9	192.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−it:	5.4	5.4	

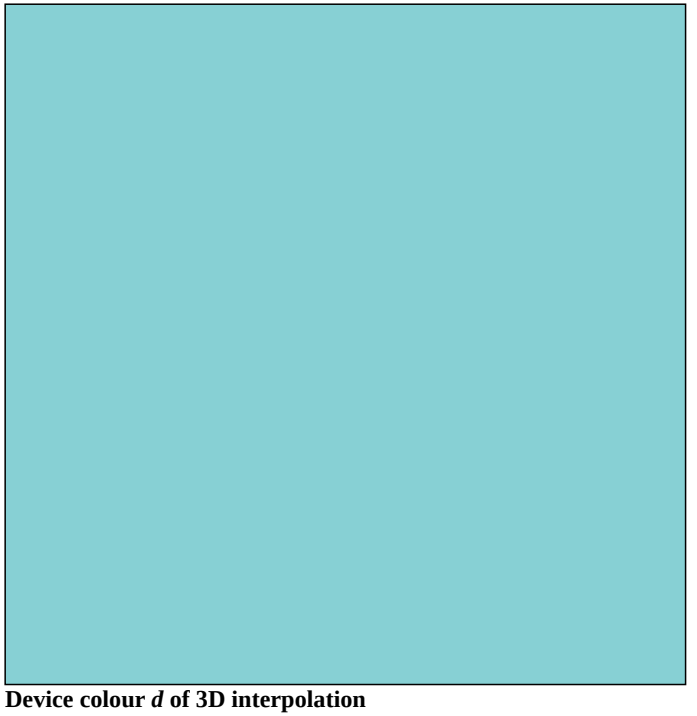
3 Colours no. *j*=384

output of the device colour *d*:

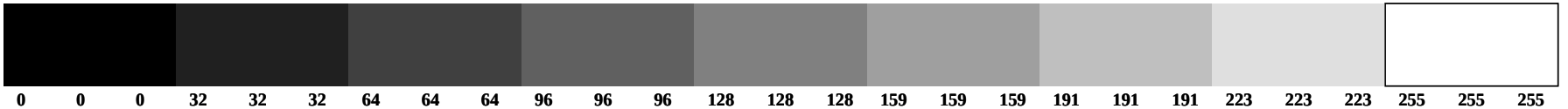
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.75	0.75	0.5	0.75	0.658	0.528	0.816	0.832
$olv^*_{Fa,\ 8bit}$	128	191	191	128	191	168	135	208	212
L^*, C^*_{ab}, h_{ab}	68.6	15.9	195.9	73.4	18.2	196.7	78.1	16.9	186.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−in:	9.9	9.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
385	0.5	0.75	0.875	229.1	74.4	42.6	234.4	−24.7	−34.6	77.8	16.0	234.4	−9.2	−12.9	0.125	0.375	g66b	c15v		0.0	0.854	1.0	0.5	0.82	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
385	0.5	0.75	0.875	229.1	67.5	47.2	230.9	−29.7	−36.6	75.2	17.7	230.9	−11.1	−13.6	0.125	0.375	g62b	c32v		0.0	0.746	1.0	0.5	0.78	0.875

3 Colours no. *j*=385

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.875	0.5	0.82	0.875	0.641	0.856	0.925
$rgb^*_{Fa,\ 8bit}$	128	191	223	128	209	223	164	218	236
L^*, C^*_{ab}, h_{ab}	69.3	19.0	239.2	77.8	16.0	234.4	84.9	12.4	257.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.1	9.1	3D−it:	9.8	9.8

3 Colours no. *j*=385

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.875	0.5	0.78	0.875	0.576	0.827	0.909
$olv^*_{Fa,\ 8bit}$	128	191	223	128	199	223	147	211	232
L^*, C^*_{ab}, h_{ab}	69.3	19.0	239.2	75.2	17.7	230.9	81.2	14.8	229.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.6	6.6	3D−in:	13.0	13.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
386	0.5	0.75	1.0	240.0	71.1	44.7	244.4	−19.3	−40.2	83.2	22.4	244.4	−9.6	−20.1	0.0	0.5	g75b	c20v		0.0	0.802	1.0	0.5	0.901	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
386	0.5	0.75	1.0	240.0	49.5	79.9	250.4	−26.7	−75.1	72.5	39.9	250.4	−13.3	−37.5	0.0	0.5	g80b	c50v		0.0	0.39	1.0	0.5	0.695	1.0

3 Colours no. *j*=386

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	1.0	0.5	0.901	1.0	0.661	0.912	1.0
$rgb^*_{Fa,\ 8bit}$	128	191	255	128	230	255	169	233	255
L^*, C^*_{ab}, h_{ab}	71.0	39.7	273.3	83.2	22.4	244.4	86.9	16.0	247.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.9	25.9	3D−it:	7.4	7.4	

3 Colours no. *j*=386

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	1.0	0.5	0.695	1.0	0.263	0.805	1.0
$olv^*_{Fa,\ 8bit}$	128	191	255	128	177	255	67	205	255
L^*, C^*_{ab}, h_{ab}	71.0	39.7	273.3	72.5	39.9	250.4	77.4	30.7	252.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.9	15.9	3D−in:	16.9	16.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
387	0.5	0.875	0.0	115.3	87.1	107.1	121.8	−56.3	91.0	78.5	93.7	121.8	−49.2	79.7	0.125	0.875	j42g	y41l		0.587	1.0	0.0	0.514	0.875	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
387	0.5	0.875	0.0	115.3	88.0	105.2	114.7	−43.9	95.5	79.2	92.0	114.7	−38.4	83.6	0.125	0.875	j32g	y42l		0.679	1.0	0.0	0.594	0.875	0.0

3 Colours no. *j*=387

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.0	0.514	0.875	0.0	0.53	0.911	0.016
$rgb^*_{Fa,\ 8bit}$	128	223	0	131	223	0	135	232	4
L^*, C^*_{ab}, h_{ab}	74.8	89.6	121.8	78.5	93.7	121.8	82.1	95.6	119.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−it:	5.5	5.5	

3 Colours no. *j*=387

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.0	0.594	0.875	0.0	0.672	0.903	0.0
$olv^*_{Fa,\ 8bit}$	128	223	0	152	223	0	171	230	0
L^*, C^*_{ab}, h_{ab}	74.8	89.6	121.8	79.2	92.0	114.7	82.3	97.0	113.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−in:	17.3	17.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
388	0.5	0.875	0.125	120.0	85.7	111.8	127.3	−67.6	89.0	78.4	83.8	127.3	−50.7	66.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
388	0.5	0.875	0.125	120.0	87.6	105.9	117.1	−48.2	94.2	79.9	79.4	117.1	−36.1	70.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.75	j49g	y61l		0.385	1.0	0.0	0.414	0.875	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.75	j35g	y50l		0.645	1.0	0.0	0.609	0.875	0.125

3 Colours no. *j*=388

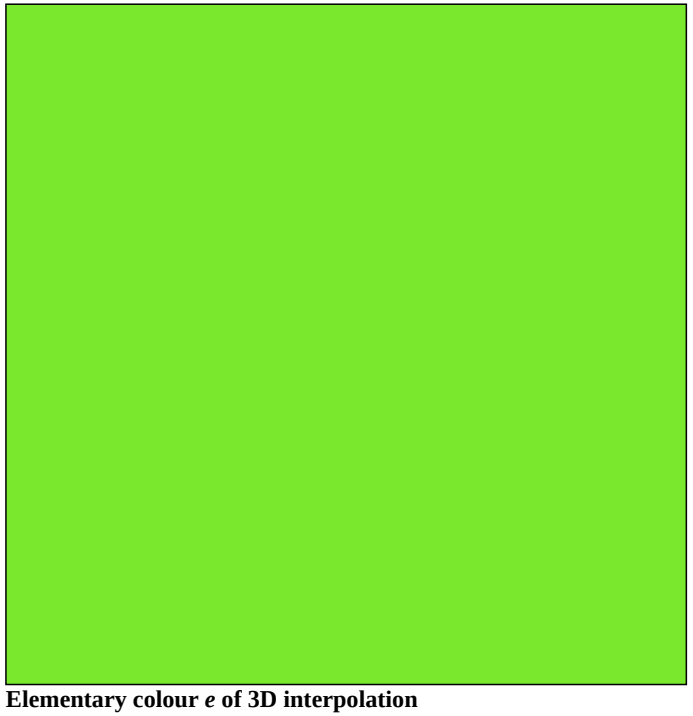
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.125	0.414	0.875	0.125	0.479	0.914	0.181
$rgb^*_{Fa,\ 8bit}$	128	223	32	106	223	32	122	233	46
L^*, C^*_{ab}, h_{ab}	74.9	82.8	123.8	78.4	83.8	127.3	82.0	82.8	123.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	6.3	6.3	

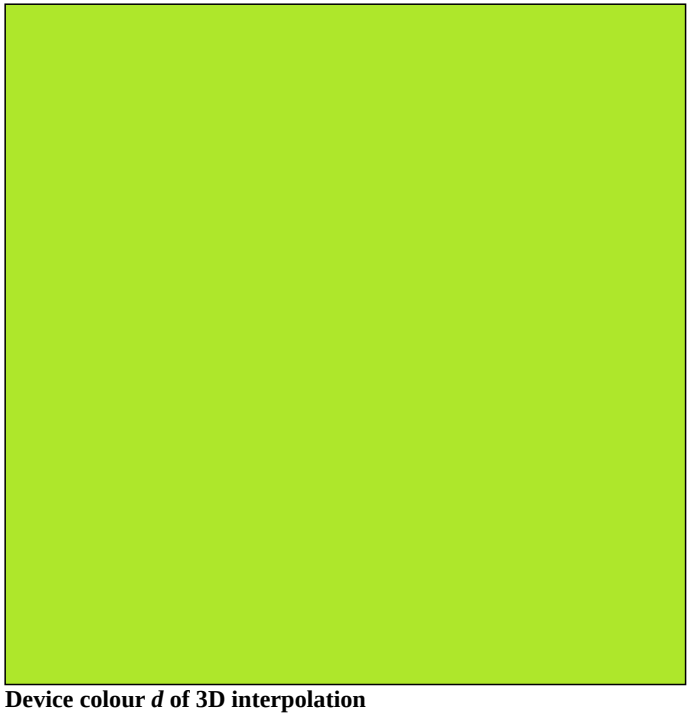
3 Colours no. *j*=388

output of the device colour *d*:

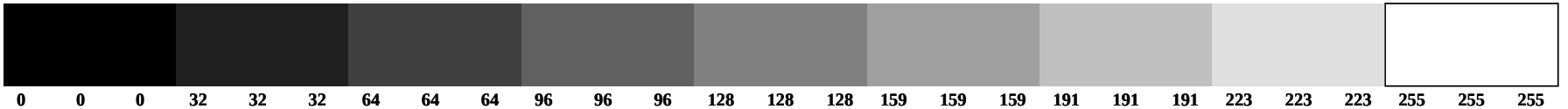
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.125	0.609	0.875	0.125	0.681	0.907	0.167
$olv^*_{Fa,\ 8bit}$	128	223	32	155	223	32	174	231	43
L^*, C^*_{ab}, h_{ab}	74.9	82.8	123.8	79.9	79.4	117.1	83.6	79.0	116.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.1	11.1	3D−in:	14.1	14.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
389	0.5	0.875	0.25	126.6	84.4	111.1	134.9	−78.4	78.6	78.8	69.4	134.9	−48.9	49.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
389	0.5	0.875	0.25	126.6	87.2	106.9	120.5	−54.2	92.1	80.6	66.8	120.5	−33.8	57.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.625	j60g	l14c		0.0	1.0	0.139	0.25	0.875	0.337
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.625	j40g	y61l		0.597	1.0	0.0	0.623	0.875	0.25

3 Colours no. *j*=389

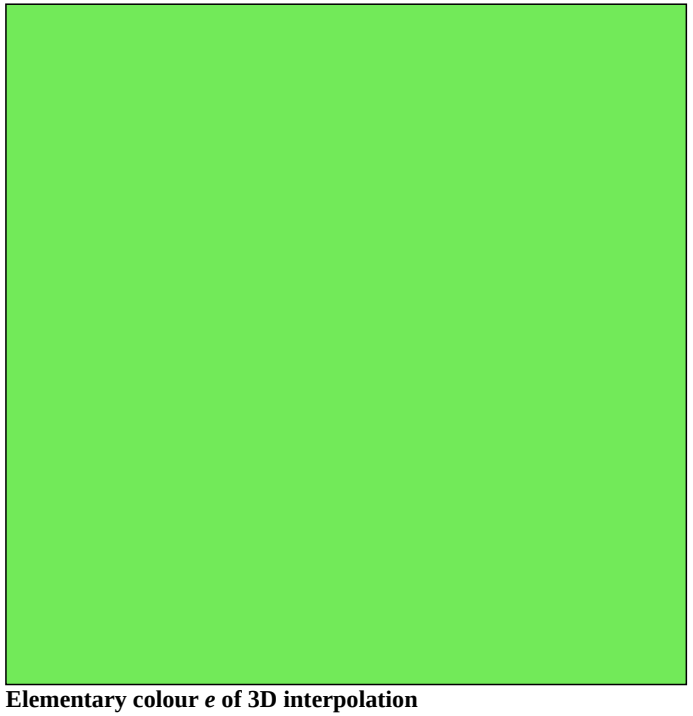
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.25	0.25	0.875	0.337	0.447	0.918	0.349
$rgb^*_{Fa,\ 8bit}$	128	223	64	64	223	86	114	234	89
L^*, C^*_{ab}, h_{ab}	75.1	69.1	128.6	78.8	69.4	134.9	83.6	70.7	132.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−it:	5.9	5.9	

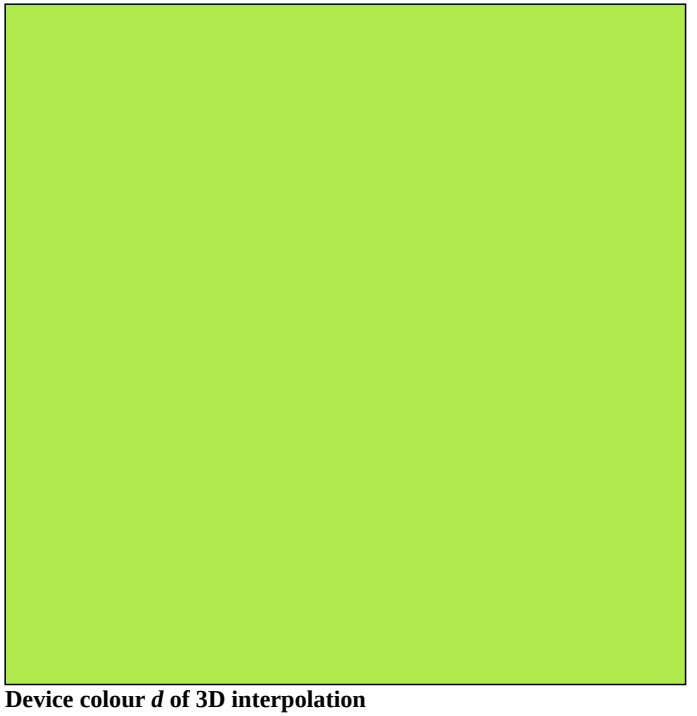
3 Colours no. *j*=389

output of the device colour *d*:

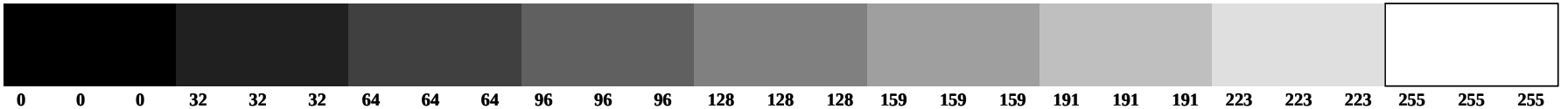
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.25	0.623	0.875	0.25	0.687	0.912	0.295
$olv^*_{Fa,\ 8bit}$	128	223	64	159	223	64	175	233	75
L^*, C^*_{ab}, h_{ab}	75.1	69.1	128.6	80.6	66.8	120.5	84.8	67.7	119.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	14.7	14.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
390	0.5	0.875	0.375	136.1	84.9	85.4	146.0	−70.8	47.8
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
390	0.5	0.875	0.375	136.1	86.7	108.4	125.4	−62.7	88.4

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
80.4	42.7	146.0	−35.3	23.9	0.125	0.5	j76g	l45c		0.0	1.0	0.449	0.375	0.875	0.599
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
81.3	54.2	125.4	−31.3	44.2	0.125	0.5	j47g	y77l		0.527	1.0	0.0	0.638	0.875	0.375

3 Colours no. j=390

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.375	0.375	0.875	0.599	0.545	0.919	0.643
$rgb^*_{Fa,\ 8bit}$	128	223	96	96	223	153	139	234	164
L^*, C^*_{ab}, h_{ab}	75.3	57.6	133.9	80.4	42.7	146.0	84.9	43.8	138.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.9	18.9	3D−it:	7.3	7.3	

3 Colours no. j=390

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.375	0.638	0.875	0.375	0.797	0.902	0.396
$olv^*_{Fa,\ 8bit}$	128	223	96	163	223	96	203	230	101
L^*, C^*_{ab}, h_{ab}	75.3	57.6	133.9	81.3	54.2	125.4	86.1	54.4	124.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	14.5	14.5	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
391	0.5	0.875	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	82.0	23.8	162.2	−22.6	7.3	0.125	0.375	j99g	l77c		0.0	1.0	0.774	0.5	0.875	0.79
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
391	0.5	0.875	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	82.2	41.5	132.5	−28.0	30.6	0.125	0.375	j57g	y100l		0.425	1.0	0.0	0.659	0.875	0.5

3 Colours no. *j*=391

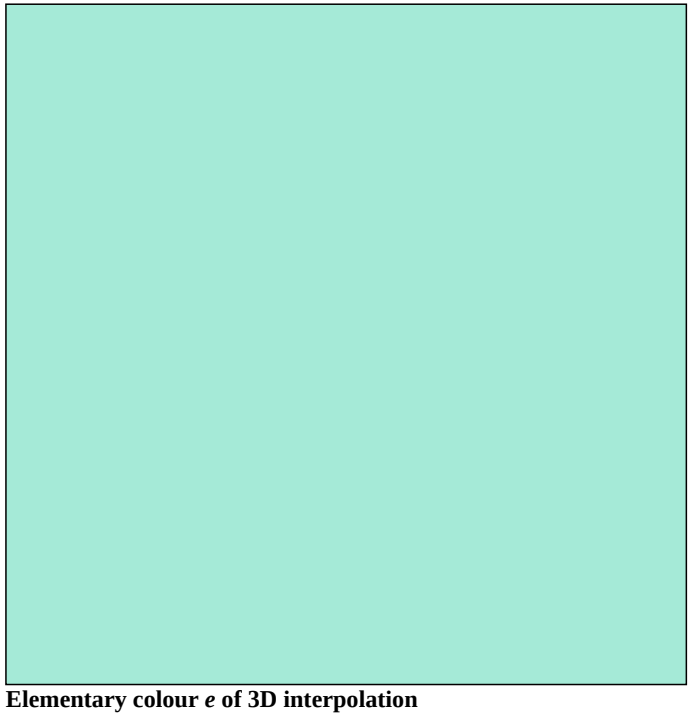
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.5	0.5	0.875	0.79	0.648	0.918	0.844
$rgb^*_{Fa,\ 8bit}$	128	223	128	128	223	202	165	234	215
L^*, C^*_{ab}, h_{ab}	75.6	47.0	140.9	82.0	23.8	162.2	86.5	23.7	155.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	27.0	27.0	3D−it:	5.4	5.4	

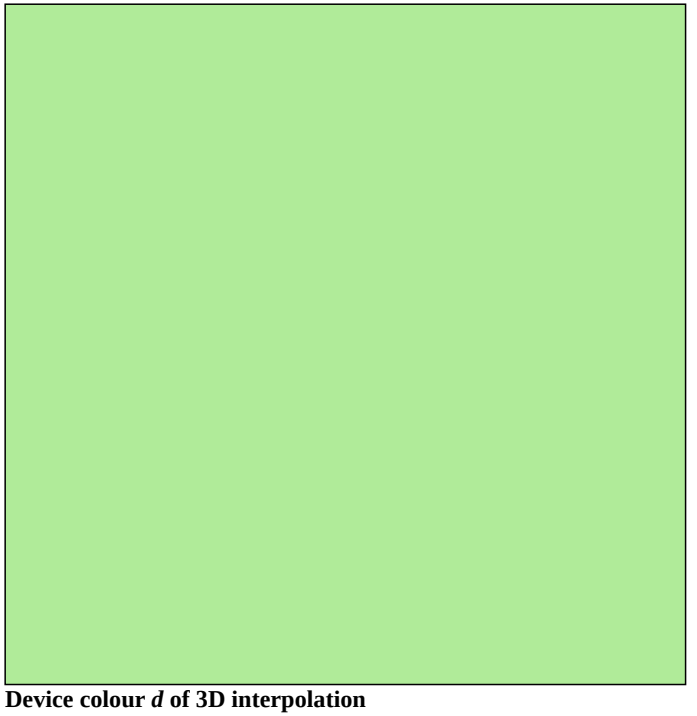
3 Colours no. *j*=391

output of the device colour *d*:

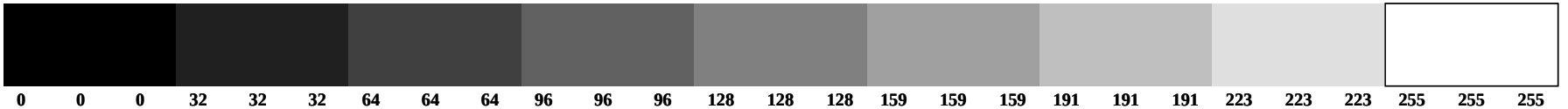
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.5	0.659	0.875	0.5	0.691	0.923	0.601
$olv^*_{Fa,\ 8bit}$	128	223	128	168	223	128	176	235	153
L^*, C^*_{ab}, h_{ab}	75.6	47.0	140.9	82.2	41.5	132.5	87.5	41.9	131.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	14.9	14.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
392	0.5	0.875	0.625	169.1	86.5	53.1	179.7	−53.0	0.3	82.4	19.9	179.7	−19.8	0.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
392	0.5	0.875	0.625	169.1	84.6	116.8	152.9	−103.9	53.2	81.6	43.8	152.9	−38.9	19.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.375	g16b	l92c		0.0	1.0	0.921	0.5	0.875	0.845
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.375	j86g	l32c		0.133	1.0	0.0	0.55	0.875	0.5

3 Colours no. *j*=392

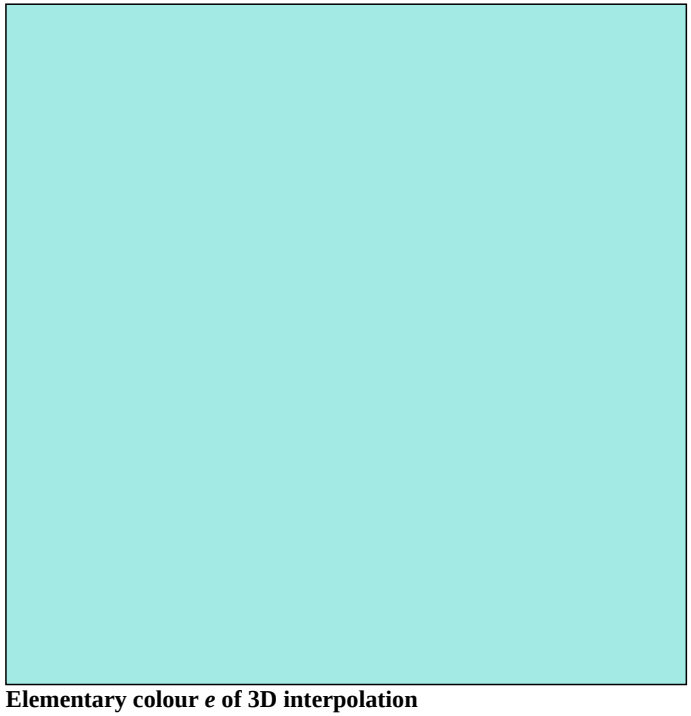
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.625	0.5	0.875	0.845	0.645	0.917	0.896
$rgb^*_{Fa,\ 8bit}$	128	223	159	128	223	216	165	234	229
L^*, C^*_{ab}, h_{ab}	76.0	37.8	150.3	82.4	19.9	179.7	86.6	16.9	172.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.5	23.5	3D−it:	5.7	5.7	

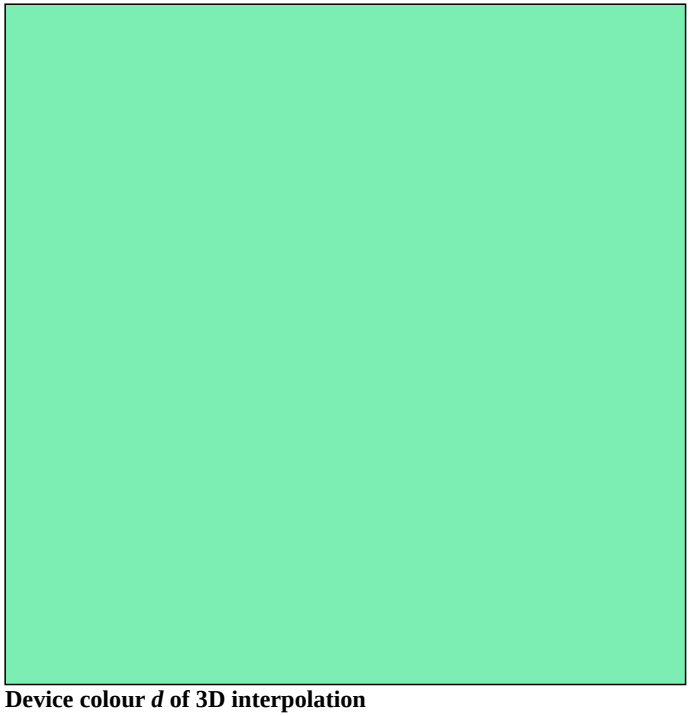
3 Colours no. *j*=392

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.625	0.55	0.875	0.5	0.487	0.935	0.705
$olv^*_{Fa,\ 8bit}$	128	223	159	140	223	128	124	239	180
L^*, C^*_{ab}, h_{ab}	76.0	37.8	150.3	81.6	43.8	152.9	88.6	47.2	145.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−in:	16.3	16.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
393	0.5	0.875	0.75	190.9	86.3	46.0	199.5	−43.3	−15.3	82.3	17.3	199.5	−16.2	−5.7	0.125	0.375	g33b	c01v		0.0	0.989	1.0	0.5	0.871	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
393	0.5	0.875	0.75	190.9	84.6	100.4	176.3	−100.16.5		81.6	37.6	176.3	−37.5	2.5	0.125	0.375	g13b	l68c		0.0	1.0	0.256	0.5	0.875	0.596

3 Colours no. j=393

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.75	0.5	0.871	0.875	0.653	0.912	0.925
$rgb^*_{Fa,\ 8bit}$	128	223	191	128	222	223	167	232	236
L^*, C^*_{ab}, h_{ab}	76.4	29.7	164.6	82.3	17.3	199.5	86.5	15.9	187.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.4	19.4	3D−it:	5.6	5.6	

3 Colours no. j=393

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.75	0.5	0.875	0.596	0.38	0.937	0.878
$olv^*_{Fa,\ 8bit}$	128	223	191	128	223	152	97	239	224
L^*, C^*_{ab}, h_{ab}	76.4	29.7	164.6	81.6	37.6	176.3	87.9	35.6	170.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−in:	13.4	13.4	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 394/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
394	0.5	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	80.0	16.4	217.0	−13.0	−9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
394	0.5	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	81.9	27.3	196.7	−26.0	−7.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.375	g50b	c08v		0.0	0.925	1.0	0.5	0.847	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.375	g31b	c00v		0.0	1.0	0.63	0.5	0.875	0.736

3 Colours no. *j*=394

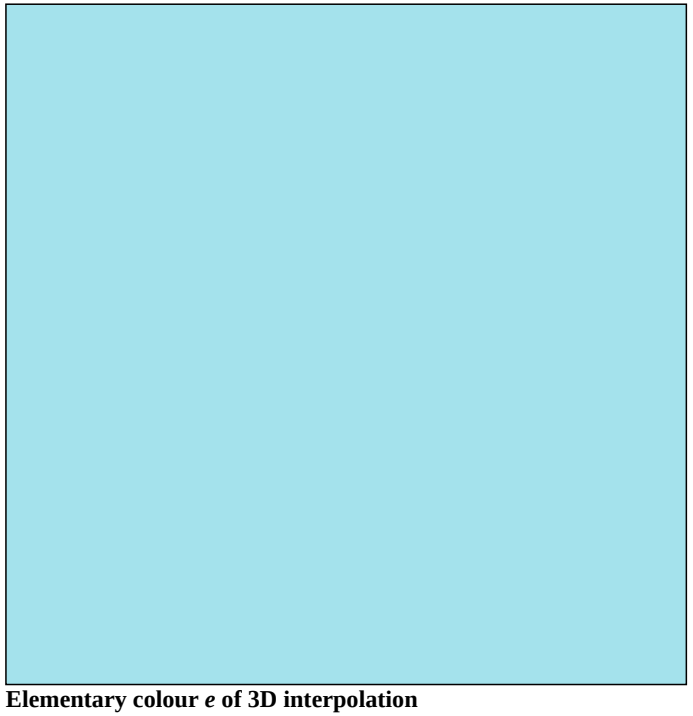
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.875	0.5	0.847	0.875	0.642	0.887	0.927
$rgb^*_{Fa,\ 8bit}$	128	223	223	128	216	223	164	226	236
L^*, C^*_{ab}, h_{ab}	76.9	23.9	189.9	80.0	16.4	217.0	82.0	9.6	192.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−it:	8.8	8.8	

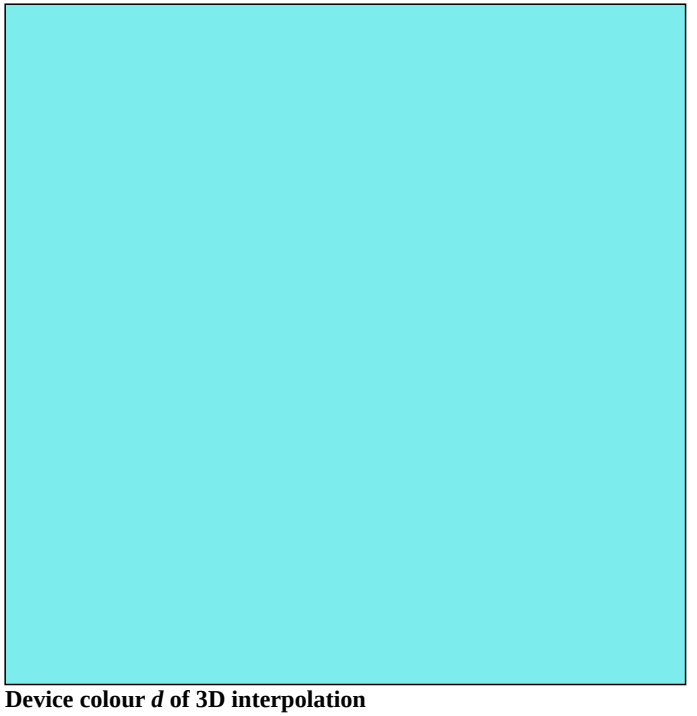
3 Colours no. *j*=394

output of the device colour *d*:

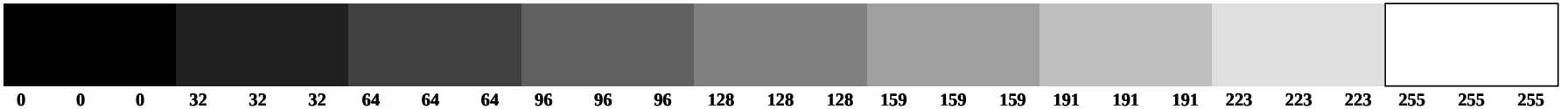
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.875	0.5	0.875	0.736	0.491	0.924	0.931
$olv^*_{Fa,\ 8bit}$	128	223	223	128	223	188	125	236	237
L^*, C^*_{ab}, h_{ab}	76.9	23.9	189.9	81.9	27.3	196.7	86.9	23.9	189.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	10.0	10.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
395	0.5	0.875	1.0	223.9	75.9	41.9	229.7	−27.0	−31.8	85.7	20.9	229.7	−13.4	−15.9	0.0	0.5	g61b	c12v		0.0	0.878	1.0	0.5	0.939	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
395	0.5	0.875	1.0	223.9	79.5	43.3	221.6	−32.3	−28.6	87.4	21.6	221.6	−16.1	−14.3	0.0	0.5	g54b	c23v		0.0	0.916	1.0	0.5	0.958	1.0

3 Colours no. *j*=395

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	1.0	0.5	0.939	1.0	0.671	0.94	1.0
$rgb^*_{Fa,\ 8bit}$	128	223	255	128	239	255	171	240	255
L^*, C^*_{ab}, h_{ab}	78.4	30.2	246.3	85.7	20.9	229.7	93.0	11.7	199.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.8	13.8	3D−it:	14.4	14.4

3 Colours no. *j*=395

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	1.0	0.5	0.958	1.0	0.671	0.96	1.0
$olv^*_{Fa,\ 8bit}$	128	223	255	128	244	255	171	245	255
L^*, C^*_{ab}, h_{ab}	78.4	30.2	246.3	87.4	21.6	221.6	91.5	15.1	204.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.6	16.6	3D−in:	25.0	25.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
396	0.5	1.0	0.0	120.0	85.7	111.8	127.3	−67.6	89.0	85.7	111.8	127.3	−67.6	89.0	0.0	1.0	j49g	y61l		0.385	1.0	0.0	0.385	1.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
396	0.5	1.0	0.0	120.0	87.6	105.9	117.1	−48.2	94.2	87.6	105.9	117.1	−48.2	94.2	0.0	1.0	j35g	y50l		0.645	1.0	0.0	0.645	1.0	0.0

3 Colours no. *j*=396

output of the elementary colour *e*:

rgb input (in):									
	0.5	1.0	0.0	0.385	1.0	0.0	0.387	1.0	0.0
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	128	255	0	98	255	0	99	255	0
L^*, C^*_{ab}, h_{ab}	86.5	109.0	124.4	85.7	111.8	127.3	85.8	111.5	127.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	0.6	0.6	

3 Colours no. *j*=396

output of the device colour *d*:

rgb input (in):									
	0.5	1.0	0.0	0.645	1.0	0.0	0.7	0.994	0.0
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	128	255	0	164	255	0	179	253	0
L^*, C^*_{ab}, h_{ab}	86.5	109.0	124.4	87.6	105.9	117.1	88.7	105.4	115.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.9	13.9	3D−in:	17.1	17.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
397	0.5	1.0	0.125	124.7	84.4	117.3	132.8	−79.5	86.1	85.7	102.7	132.8	−69.6	75.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
397	0.5	1.0	0.125	124.7	87.3	106.6	119.6	−52.5	92.7	88.3	93.3	119.6	−45.9	81.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	j57g	l02c		0.0	1.0	0.016	0.125	1.0	0.139
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j39g	y58l		0.61	1.0	0.0	0.659	1.0	0.125

3 Colours no. *j*=397

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	1.0	0.125	0.125	1.0	0.139	0.293	1.0	0.187
$rgb^*_{Fa,\ 8bit}$	128	255	32	32	255	36	75	255	48
L^*, C^*_{ab}, h_{ab}	86.6	103.1	126.0	85.7	102.7	132.8	86.4	105.4	129.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.2	12.2	3D−it:	6.6	6.6

3 Colours no. *j*=397

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	1.0	0.125	0.659	1.0	0.125	0.712	0.999	0.172
$olv^*_{Fa,\ 8bit}$	128	255	32	168	255	32	181	255	44
L^*, C^*_{ab}, h_{ab}	86.6	103.1	126.0	88.3	93.3	119.6	88.8	97.5	117.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.8	14.8	3D−in:	16.7	16.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
398	0.5	1.0	0.25	130.9	84.6	98.1	140.0	−75.0	63.1	87.3	73.6	140.0	−56.2	47.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
398	0.5	1.0	0.25	130.9	87.0	107.6	122.7	−58.0	90.5	89.1	80.7	122.7	−43.5	67.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.75	j67g	l29c		0.0	1.0	0.285	0.25	1.0	0.464
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.75	j43g	y68l		0.565	1.0	0.0	0.674	1.0	0.25

3 Colours no. *j*=398

output of the elementary colour *e*:

rgb input (in):									
	0.5	1.0	0.25	0.25	1.0	0.464	0.442	1.0	0.497
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	128	255	64	64	255	118	113	255	127
L^*, C^*_{ab}, h_{ab}	86.7	90.9	129.7	87.3	73.6	140.0	88.4	73.3	137.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	22.7	22.7	3D−it:	3.2	3.2	

3 Colours no. *j*=398

output of the device colour *d*:

rgb input (in):									
	0.5	1.0	0.25	0.674	1.0	0.25	0.721	1.0	0.312
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	128	255	64	172	255	64	184	255	79
L^*, C^*_{ab}, h_{ab}	86.7	90.9	129.7	89.1	80.7	122.7	89.2	84.8	119.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.9	14.9	3D−in:	16.4	16.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
399	0.5	1.0	0.375	139.1	85.1	79.3	149.5	−68.3	40.2	89.0	49.6	149.5	−42.6	25.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
399	0.5	1.0	0.375	139.1	86.5	108.9	126.9	−65.3	87.0	89.8	68.0	126.9	−40.8	54.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	j81g	l53c		0.0	1.0	0.533	0.375	1.0	0.708
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j49g	y82l		0.505	1.0	0.0	0.691	1.0	0.375

3 Colours no. *j*=399

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	1.0	0.375	0.375	1.0	0.708	0.567	1.0	0.749
$rgb^*_{Fa,\ 8bit}$	128	255	96	96	255	181	144	255	191
L^*, C^*_{ab}, h_{ab}	86.9	80.3	133.7	89.0	49.6	149.5	90.2	47.1	147.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.4	35.4	3D−it:	3.3	3.3	

3 Colours no. *j*=399

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	1.0	0.375	0.691	1.0	0.375	0.728	1.0	0.467
$olv^*_{Fa,\ 8bit}$	128	255	96	176	255	96	186	255	119
L^*, C^*_{ab}, h_{ab}	86.9	80.3	133.7	89.8	68.0	126.9	90.4	69.4	122.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−in:	18.3	18.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
400	0.5	1.0	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	90.6	31.8	162.2	−30.1	9.7
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
400	0.5	1.0	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	90.7	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.5	j99g	l77c		0.0	1.0	0.774	0.5	1.0	0.887
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.5	j57g	y100l		0.425	1.0	0.0	0.713	1.0	0.5

3 Colours no. *j*=400

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	1.0	0.5	0.5	1.0	0.887	0.675	1.0	0.913
$rgb^*_{Fa,\ 8bit}$	128	255	128	128	255	226	172	255	233
L^*, C^*_{ab}, h_{ab}	87.1	70.2	138.4	90.6	31.8	162.2	92.0	29.6	149.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	43.2	43.2	3D−it:	7.4	7.4

3 Colours no. *j*=400

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	1.0	0.5	0.713	1.0	0.5	0.736	1.0	0.624
$olv^*_{Fa,\ 8bit}$	128	255	128	182	255	128	188	255	159
L^*, C^*_{ab}, h_{ab}	87.1	70.2	138.4	90.7	55.4	132.5	91.8	54.4	129.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.5	16.5	3D−in:	19.0	19.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
401	0.5	1.0	0.625	163.9	86.3	55.0	174.9	−54.6	4.9	90.9	27.5	174.9	−27.3	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
401	0.5	1.0	0.625	163.9	84.9	115.3	147.4	−97.0	62.2	90.1	57.7	147.4	−48.5	31.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.5	g11b	l90c		0.0	1.0	0.898	0.5	1.0	0.949
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.5	j78g	l23c		0.213	1.0	0.0	0.606	1.0	0.5

3 Colours no. *j*=401

output of the elementary colour *e*:

rgb input (in):									
	0.5	1.0	0.625	0.5	1.0	0.949	0.674	1.0	0.951
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	128	255	159	128	255	242	172	255	243
L^*, C^*_{ab}, h_{ab}	87.4	61.1	143.8	90.9	27.5	174.9	91.5	21.8	148.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	40.3	40.3	3D−it:	12.4	12.4	

3 Colours no. *j*=401

output of the device colour *d*:

rgb input (in):									
	0.5	1.0	0.625	0.606	1.0	0.5	0.502	1.0	0.727
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	128	255	159	155	255	128	128	255	186
L^*, C^*_{ab}, h_{ab}	87.4	61.1	143.8	90.1	57.7	147.4	92.9	59.9	143.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−in:	5.7	5.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb -> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
402	0.5	1.0	0.75	180.0	87.0	49.2	189.6	−48.4	−8.1	91.2	24.6	189.6	−24.1	−4.0
n_{rgb}	rgb -> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
402	0.5	1.0	0.75	180.0	84.4	116.1	164.6	−111.8	30.8	89.9	58.0	164.6	−55.9	15.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.5	g25b	l97c		0.0	1.0	0.967	0.5	1.0	0.983
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.5	g02b	l50c		0.0	1.0	0.043	0.5	1.0	0.522

3 Colours no. *j*=402

output of the elementary colour *e*:

rgb input (in):									
	0.5	1.0	0.75	0.5	1.0	0.983	0.681	1.0	0.986
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	128	255	191	128	255	251	174	255	251
L^*, C^*_{ab}, h_{ab}	87.7	52.3	151.0	91.2	24.6	189.6	92.1	23.0	179.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.7	36.7	3D−it:	4.5	4.5	

linear interpolation (it): 3D interpolation (3D):

3 Colours no. *j*=402

output of the device colour *d*:

rgb input (in):									
	0.5	1.0	0.75	0.5	1.0	0.522	0.125	1.0	0.875
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	128	255	191	128	255	133	32	255	223
L^*, C^*_{ab}, h_{ab}	87.7	52.3	151.0	89.9	58.0	164.6	93.1	54.7	158.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−in:	9.4	9.4	

linear interpolation (it): 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 403/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
403	0.5	1.0	0.875	196.1	84.7	45.4	204.3	−41.2	−18.6	90.1	22.7	204.3	−20.6	−9.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
403	0.5	1.0	0.875	196.1	84.8	92.3	181.8	−92.2	−2.9	90.1	46.2	181.8	−46.0	−1.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.5	g38b	c03v		0.0	0.972	1.0	0.5	0.986	1.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.5	g18b	l77c		0.0	1.0	0.358	0.5	1.0	0.679

3 Colours no. *j*=403

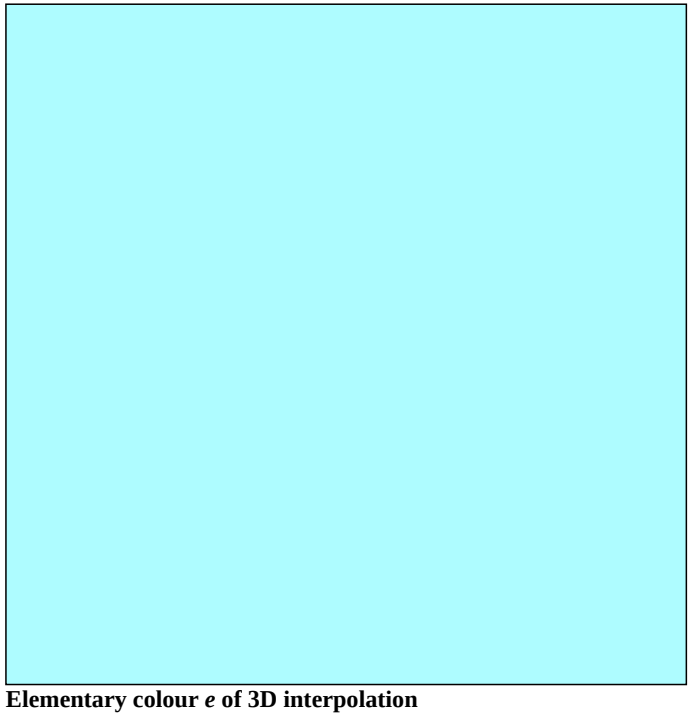
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	1.0	0.875	0.5	0.986	1.0	0.681	0.99	1.0
$rgb^*_{Fa,\ 8bit}$	128	255	223	128	251	255	174	253	255
L^*, C^*_{ab}, h_{ab}	88.1	43.4	161.9	90.1	22.7	204.3	91.5	19.7	198.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	30.8	30.8	3D−it:	3.9	3.9	

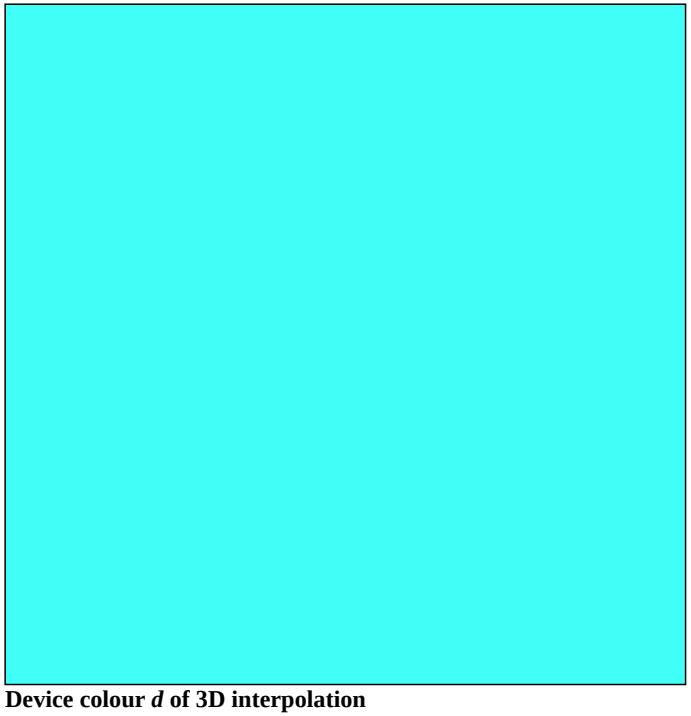
3 Colours no. *j*=403

output of the device colour *d*:

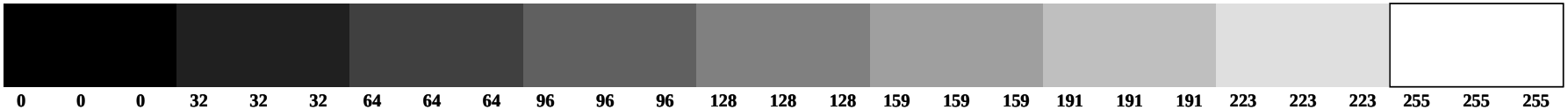
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	1.0	0.875	0.5	1.0	0.679	0.251	1.0	0.963
$olv^*_{Fa,\ 8bit}$	128	255	223	128	255	173	64	255	246
L^*, C^*_{ab}, h_{ab}	88.1	43.4	161.9	90.1	46.2	181.8	91.6	36.9	167.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.9	15.9	3D−in:	8.2	8.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
404	0.5	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	87.9	21.8	217.0	−17.3	−13.0	0.0	0.5	g50b	c08v		0.0	0.925	1.0	0.5	0.962	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
404	0.5	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	90.4	36.4	196.7	−34.8	−10.4	0.0	0.5	g31b	c00v		0.0	1.0	0.63	0.5	1.0	0.815

3 Colours no. *j*=404

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	1.0	1.0	0.5	0.962	1.0	0.668	0.966	1.0
$rgb^*_{Fa,\ 8bit}$	128	255	255	128	245	255	170	246	255
L^*, C^*_{ab}, h_{ab}	89.4	32.6	197.8	87.9	21.8	217.0	91.5	17.4	201.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.0	14.0	3D−it:	7.8	7.8	

3 Colours no. *j*=404

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	1.0	1.0	0.5	1.0	0.815	0.438	1.0	1.0
$olv^*_{Fa,\ 8bit}$	128	255	255	128	255	208	112	255	255
L^*, C^*_{ab}, h_{ab}	89.4	32.6	197.8	90.4	36.4	196.7	92.1	35.1	196.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	3.9	3.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
405	0.625	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	39.5	50.8	25.5	45.9	21.9	0.375	0.625	b99r	m81o		1.0	0.0	0.189	0.625	0.0	0.118
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
405	0.625	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	41.4	53.9	38.2	42.3	33.3	0.375	0.625	r19j	m100o		1.0	0.19	0.0	0.625	0.119	0.0

3 Colours no. *j*=405

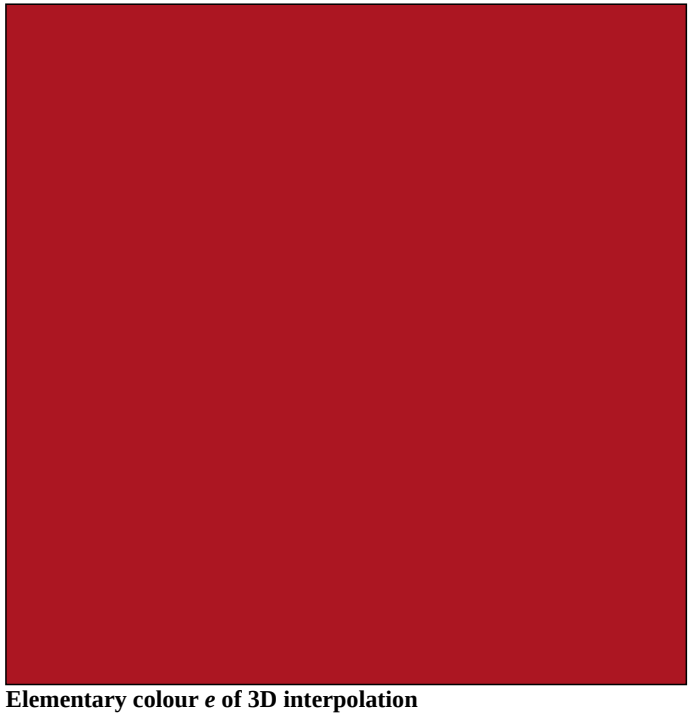
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.0	0.625	0.0	0.118	0.674	0.086	0.133
$rgb^*_{Fa,\ 8bit}$	159	0	0	159	0	30	172	22	34
L^*, C^*_{ab}, h_{ab}	35.8	54.2	32.9	39.5	50.8	25.5	43.0	53.5	29.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.5	8.5	3D−it:	5.5	5.5

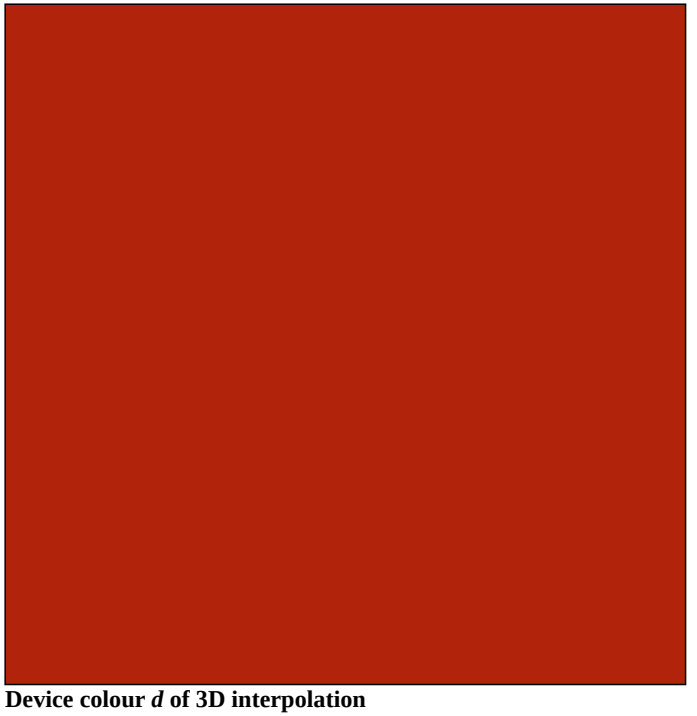
3 Colours no. *j*=405

output of the device colour *d*:

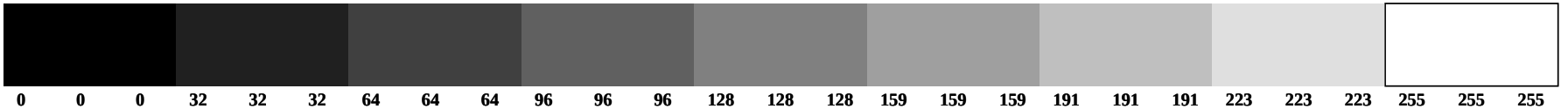
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.0	0.625	0.119	0.0	0.693	0.142	0.043
$olv^*_{Fa,\ 8bit}$	159	0	0	159	30	0	177	36	11
L^*, C^*_{ab}, h_{ab}	35.8	54.2	32.9	41.4	53.9	38.2	44.6	57.2	36.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.5	7.5	3D−in:	9.9	9.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
406	0.625	0.0	0.125	19.1	53.0	77.4	15.1	74.7	20.2	39.8	48.4	15.1	46.7	12.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
406	0.625	0.0	0.125	19.1	52.4	90.4	25.2	81.8	38.5	39.4	56.5	25.2	51.1	24.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.625	b90r	m70o		1.0	0.0	0.299	0.625	0.0	0.187
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.625	b99r	m82o		1.0	0.0	0.005	0.625	0.0	0.003

3 Colours no. *j*=406

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.125	0.625	0.0	0.187	0.669	0.092	0.193
$rgb^*_{Fa,\ 8bit}$	159	0	32	159	0	48	171	23	49
L^*, C^*_{ab}, h_{ab}	36.1	49.9	20.7	39.8	48.4	15.1	43.4	53.8	17.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.2	6.2	3D−it:	6.8	6.8

3 Colours no. *j*=406

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.125	0.625	0.0	0.003	0.705	0.014	0.114
$olv^*_{Fa,\ 8bit}$	159	0	32	159	0	1	180	4	29
L^*, C^*_{ab}, h_{ab}	36.1	49.9	20.7	39.4	56.5	25.2	40.9	60.3	25.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.5	8.5	3D−in:	12.1	12.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																										
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
407	0.625	0.0	0.25	6.6	53.5	76.9	3.3	76.8	4.4	40.1	48.1	3.3	48.0	2.8
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
407	0.625	0.0	0.25	6.6	52.9	77.8	10.3	76.6	13.9	39.7	48.6	10.3	47.9	8.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.625	b80r	m56o		1.0	0.0	0.444	0.625	0.0	0.277
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.625	b86r	m61o		1.0	0.0	0.268	0.625	0.0	0.167

3 Colours no. *j*=407

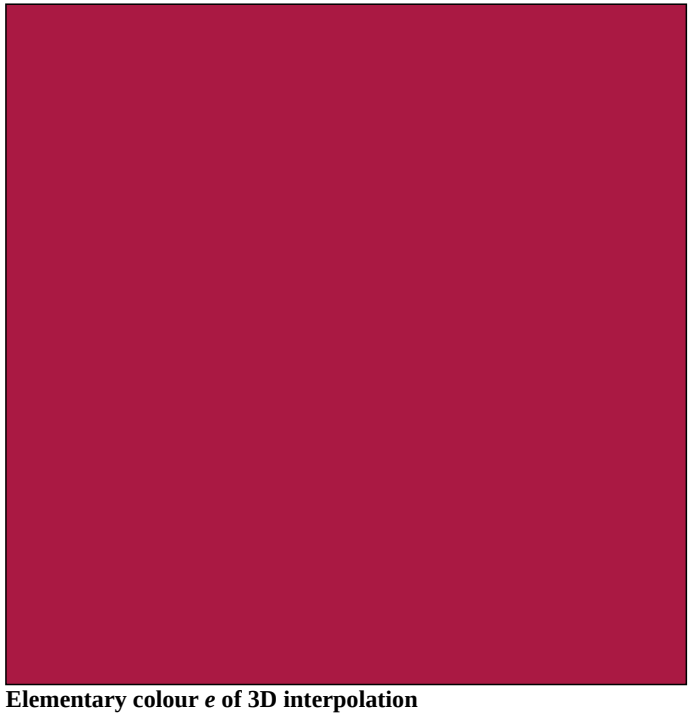
output of the elementary colour *e*:

rgb input (in):								
rgb^*_{Fa}	0.625	0.0	0.25	0.625	0.0	0.277	0.666	0.097	0.261
$rgb^*_{Fa,\ 8bit}$	159	0	64	159	0	71	170	25	67
L^*, C^*_{ab}, h_{ab}	36.8	50.0	358.5	40.1	48.1	3.3	41.1	52.4	3.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−it:	4.5	4.5	

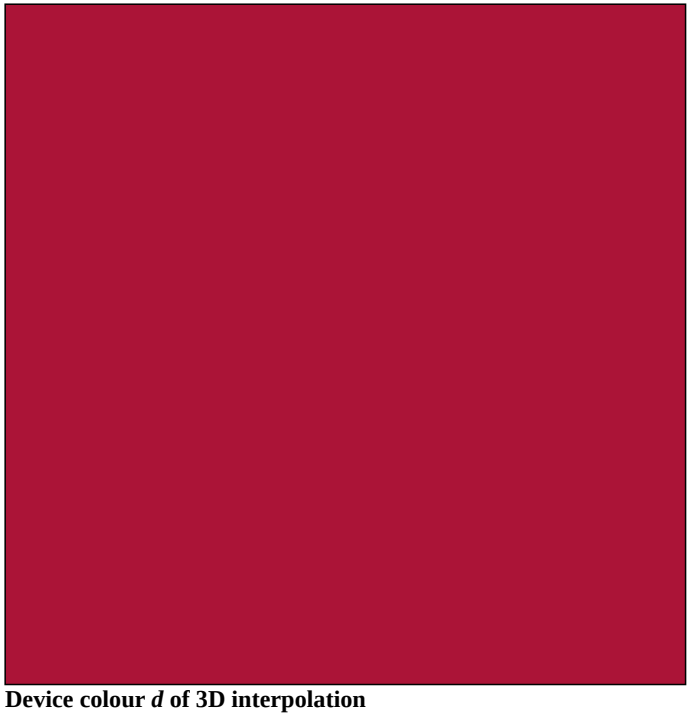
3 Colours no. *j*=407

output of the device colour *d*:

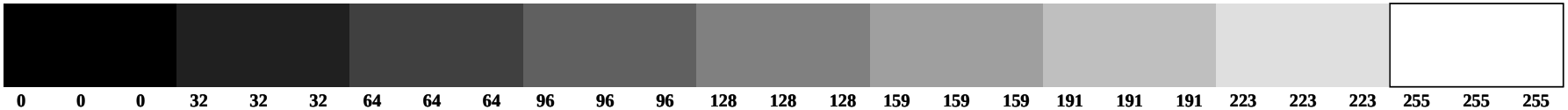
rgb input (in):								
olv^*_{Fa}	0.625	0.0	0.25	0.625	0.0	0.167	0.669	0.08	0.217
$olv^*_{Fa,\ 8bit}$	159	0	64	159	0	43	171	21	55
L^*, C^*_{ab}, h_{ab}	36.8	50.0	358.5	39.7	48.6	10.3	43.4	52.3	10.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−in:	12.7	12.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
408	0.625	0.0	0.375	353.4	54.3	80.7	350.8	79.6	−12.8	40.6	50.4	350.8	49.8	−8.0	0.375	0.625	b69r	m38o		1.0	0.0	0.624	0.625	0.0	0.39
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
408	0.625	0.0	0.375	353.4	53.9	78.5	354.6	78.2	−7.4	40.3	49.1	354.6	48.9	−4.6	0.375	0.625	b72r	m39o		1.0	0.0	0.544	0.625	0.0	0.34

3 Colours no. *j*=408

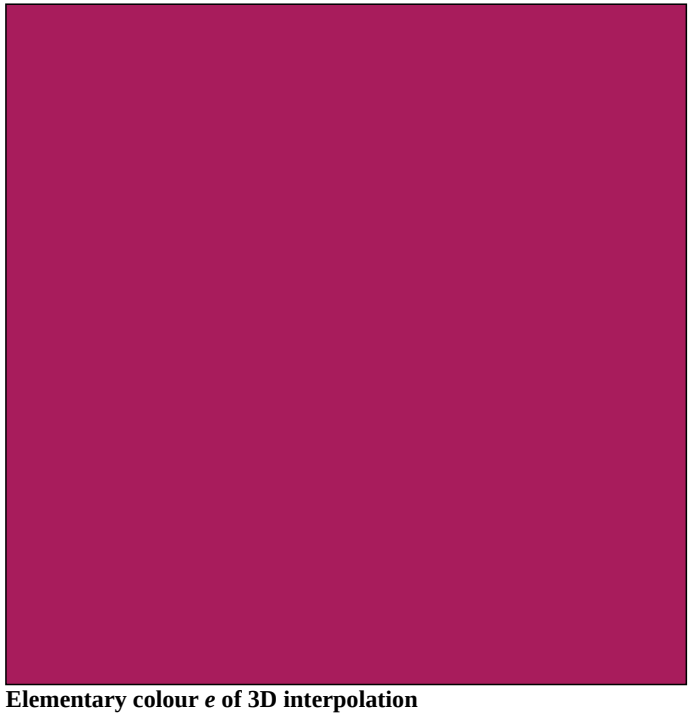
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.375	0.625	0.0	0.39	0.66	0.111	0.359
$rgb^*_{Fa,\ 8bit}$	159	0	96	159	0	100	168	28	91
L^*, C^*_{ab}, h_{ab}	37.5	55.6	343.9	40.6	50.4	350.8	41.4	52.9	355.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−it:	4.9	4.9	

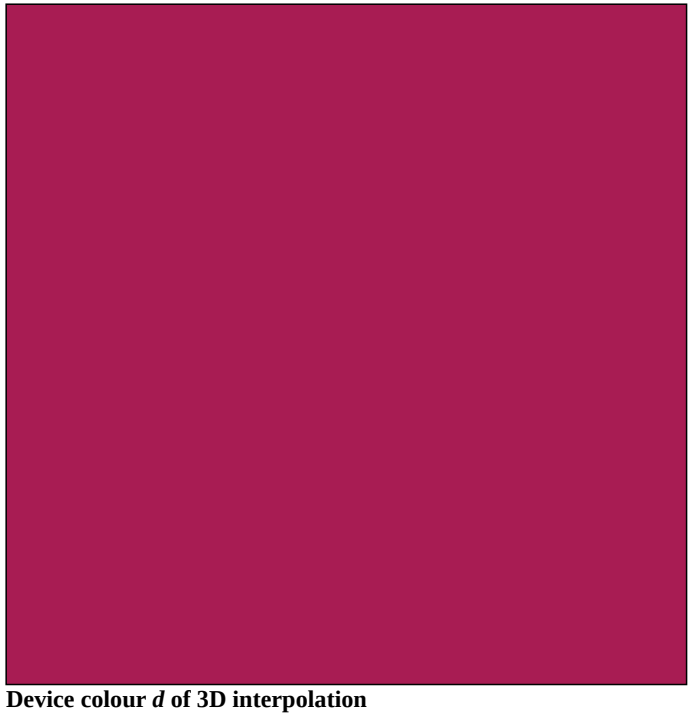
3 Colours no. *j*=408

output of the device colour *d*:

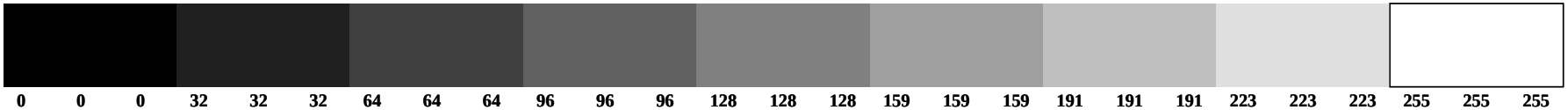
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.375	0.625	0.0	0.34	0.659	0.109	0.327
$olv^*_{Fa,\ 8bit}$	159	0	96	159	0	87	168	28	83
L^*, C^*_{ab}, h_{ab}	37.5	55.6	343.9	40.3	49.1	354.6	43.9	50.0	358.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	15.8	15.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
409	0.625	0.0	0.5	340.9	55.6	90.1	338.9	84.1	−32.3	41.4	56.3	338.9	52.5	−20.1	0.375	0.625	b59r	m16o		1.0	0.0	0.836	0.625	0.0	0.523
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
409	0.625	0.0	0.5	340.9	55.4	88.4	339.6	82.9	−30.7	41.2	55.3	339.6	51.8	−19.1	0.375	0.625	b59r	m18o		1.0	0.0	0.806	0.625	0.0	0.504

3 Colours no. *j*=409

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.5	0.625	0.0	0.523	0.66	0.116	0.478
$rgb^*_{Fa,\ 8bit}$	159	0	128	159	0	133	168	30	122
L^*, C^*_{ab}, h_{ab}	38.3	63.4	333.9	41.4	56.3	338.9	42.3	56.7	343.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−it:	4.7	4.7	

3 Colours no. *j*=409

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.5	0.625	0.0	0.504	0.656	0.12	0.467
$olv^*_{Fa,\ 8bit}$	159	0	128	159	0	129	167	31	119
L^*, C^*_{ab}, h_{ab}	38.3	63.4	333.9	41.2	55.3	339.6	42.0	54.8	345.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	14.9	14.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
410	0.625	0.0	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	42.8	65.8	328.6	56.2	−34.2	0.375	0.625	b50r	m02o		1.0	0.0	0.976	0.625	0.0	0.61
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
410	0.625	0.0	0.625	330.0	56.9	108.7	326.6	90.7	−59.7	42.2	67.9	326.6	56.7	−37.3	0.375	0.625	b47r	m00o		0.965	0.0	1.0	0.603	0.0	0.625

3 Colours no. *j*=410

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.0	0.625	0.625	0.0	0.61	0.66	0.131	0.636
$rgb^*_{Fa,\ 8bit}$	159	0	159	159	0	155	168	33	162
L^*, C^*_{ab}, h_{ab}	39.2	72.0	327.4	42.8	65.8	328.6	44.3	66.4	330.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−it:	2.5	2.5	

3 Colours no. *j*=410

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.0	0.625	0.603	0.0	0.625	0.643	0.122	0.656
$olv^*_{Fa,\ 8bit}$	159	0	159	154	0	159	164	31	167
L^*, C^*_{ab}, h_{ab}	39.2	72.0	327.4	42.2	67.9	326.6	43.0	68.7	328.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−in:	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
411	0.625	0.0	0.75	321.1	52.2	109.5	320.1	84.0	−70.1	43.6	82.1	320.1	63.0	−52.5	0.25	0.75	b42r	v85m		0.852	0.0	1.0	0.639	0.0	0.75
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
411	0.625	0.0	0.75	321.1	54.3	109.0	323.3	87.4	−65.1	45.2	81.8	323.3	65.5	−48.8	0.25	0.75	b44r	v85m		0.906	0.0	1.0	0.68	0.0	0.75

3 Colours no. *j*=411

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.75	0.639	0.0	0.75	0.645	0.111	0.829
$rgb^*_{Fa,\ 8bit}$	159	0	191	163	0	191	164	28	211
L^*, C^*_{ab}, h_{ab}	40.3	80.9	322.6	43.6	82.1	320.1	43.7	79.2	322.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−it:	4.8	4.8	

3 Colours no. *j*=411

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.75	0.68	0.0	0.75	0.704	0.099	0.82
$olv^*_{Fa,\ 8bit}$	159	0	191	173	0	191	179	25	209
L^*, C^*_{ab}, h_{ab}	40.3	80.9	322.6	45.2	81.8	323.3	47.4	82.6	325.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−in:	8.4	8.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
412	0.625	0.0	0.875	313.9	45.4	112.6	313.4	77.3	−81.8	41.9	98.5	313.4	67.6	−71.5	0.125	0.875	b36r	v62m		0.619	0.0	1.0	0.541	0.0	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
412	0.625	0.0	0.875	313.9	52.5	109.4	320.6	84.5	−69.4	48.1	95.7	320.6	73.9	−60.7	0.125	0.875	b42r	v73m		0.859	0.0	1.0	0.751	0.0	0.875

3 Colours no. *j*=412

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.875	0.541	0.0	0.875	0.542	0.049	0.926
$rgb^*_{Fa,\ 8bit}$	159	0	223	138	0	223	138	13	236
L^*, C^*_{ab}, h_{ab}	41.8	91.6	318.7	41.9	98.5	313.4	47.3	96.9	318.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.2	11.2	3D−it:	10.1	10.1

3 Colours no. *j*=412

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.875	0.751	0.0	0.875	0.755	0.065	0.925
$olv^*_{Fa,\ 8bit}$	159	0	223	192	0	223	193	17	236
L^*, C^*_{ab}, h_{ab}	41.8	91.6	318.7	48.1	95.7	320.6	54.3	97.6	325.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.2	8.2	3D−in:	18.2	18.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
413	0.625	0.0	1.0	308.2	39.4	116.7	308.0	71.8	−91.9	39.4	116.7	308.0	71.8	−91.9	0.0	1.0	b31r	v36m		0.358	0.0	1.0	0.358	0.0	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
413	0.625	0.0	1.0	308.2	51.3	109.8	318.4	82.1	−72.7	51.3	109.8	318.4	82.1	−72.7	0.0	1.0	b40r	v64m		0.821	0.0	1.0	0.821	0.0	1.0

3 Colours no. *j*=413

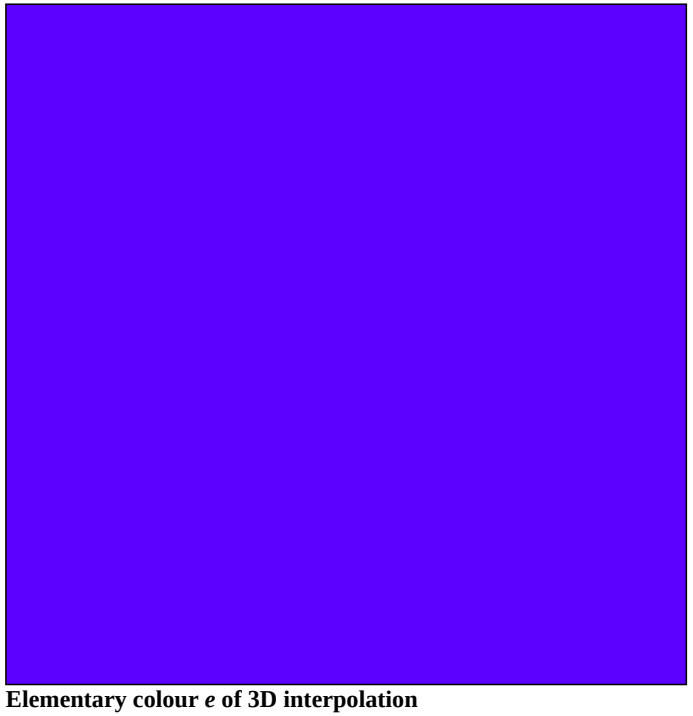
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	1.0	0.358	0.0	1.0	0.359	0.0	1.0
$rgb^*_{Fa,\ 8bit}$	159	0	255	91	0	255	92	0	255
L^*, C^*_{ab}, h_{ab}	45.5	112.5	313.5	39.4	116.7	308.0	39.7	116.5	308.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.3	13.3	3D−it:	0.7	0.7	

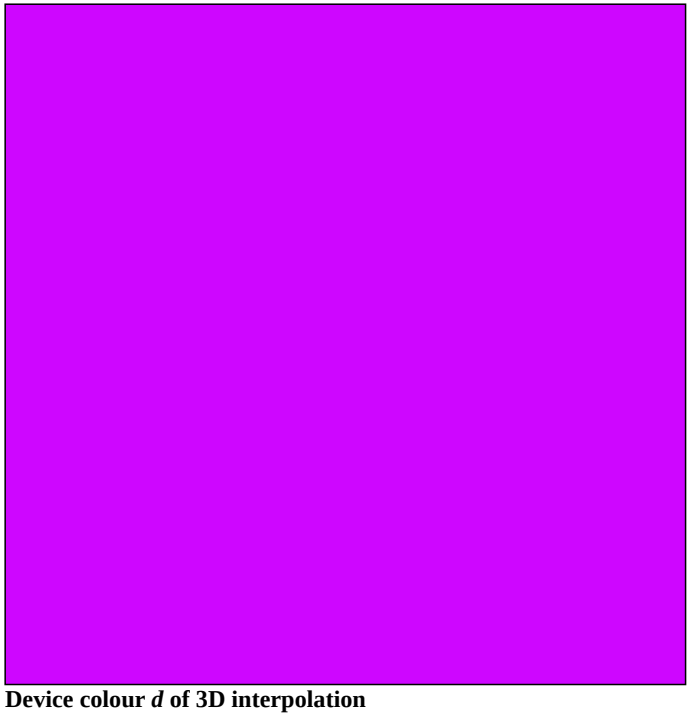
3 Colours no. *j*=413

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	1.0	0.821	0.0	1.0	0.808	0.022	1.0
$olv^*_{Fa,\ 8bit}$	159	0	255	209	0	255	206	6	255
L^*, C^*_{ab}, h_{ab}	45.5	112.5	313.5	51.3	109.8	318.4	53.5	109.1	320.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−in:	15.3	15.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
414	0.625	0.125	0.0	40.9	52.4	90.1	37.6	71.4	55.0	39.4	56.3	37.6	44.6	34.4	0.375	0.625	r18j	m99o		1.0	0.0	0.012	0.625	0.0	0.007
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
414	0.625	0.125	0.0	40.9	61.0	80.8	49.7	52.2	61.7	44.7	50.5	49.7	32.6	38.5	0.375	0.625	r36j	o18y		1.0	0.363	0.0	0.625	0.227	0.0

3 Colours no. *j*=414

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	0.0	0.625	0.0	0.007	0.678	0.086	0.003
$rgb^*_{Fa,\ 8bit}$	159	32	0	159	0	2	173	22	1
L^*, C^*_{ab}, h_{ab}	38.2	50.6	40.1	39.4	56.3	37.6	42.8	63.5	39.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	8.2	8.2	

3 Colours no. *j*=414

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	0.0	0.625	0.227	0.0	0.689	0.228	0.034
$olv^*_{Fa,\ 8bit}$	159	32	0	159	58	0	176	58	9
L^*, C^*_{ab}, h_{ab}	38.2	50.6	40.1	44.7	50.5	49.7	47.6	55.6	49.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	13.9	13.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
415	0.625	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	44.9	40.7	25.5	36.7	17.5	0.375	0.5	b99r	m81o		1.0	0.0	0.189	0.625	0.125	0.219
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
415	0.625	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	46.4	43.1	38.2	33.9	26.6	0.375	0.5	r19j	m100o		1.0	0.19	0.0	0.625	0.22	0.125

3 Colours no. *j*=415

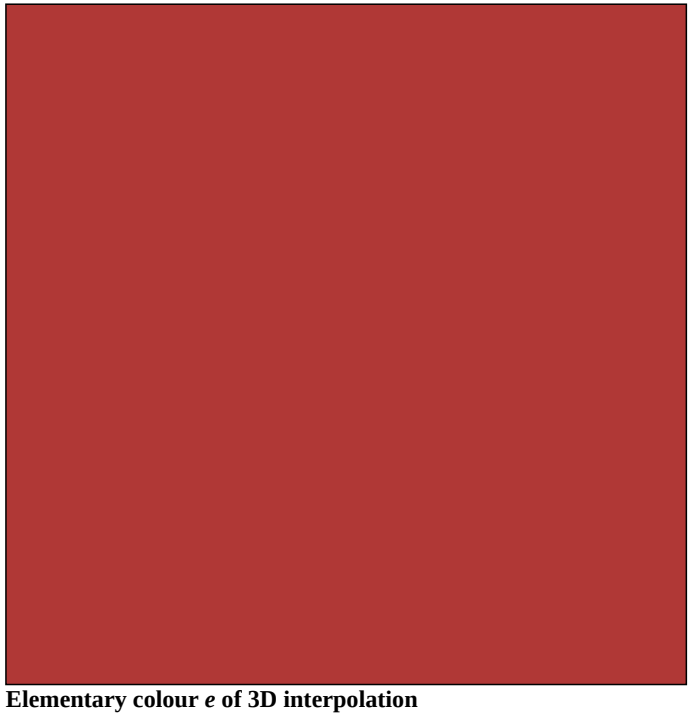
output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	0.125	0.625	0.125	0.219	0.69	0.218	0.211
$rgb^*_{Fa,\ 8bit}$	159	32	32	159	32	56	176	56	54
L^*, C^*_{ab}, h_{ab}	38.5	45.4	27.6	44.9	40.7	25.5	48.0	42.9	25.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−it:	3.9	3.9	

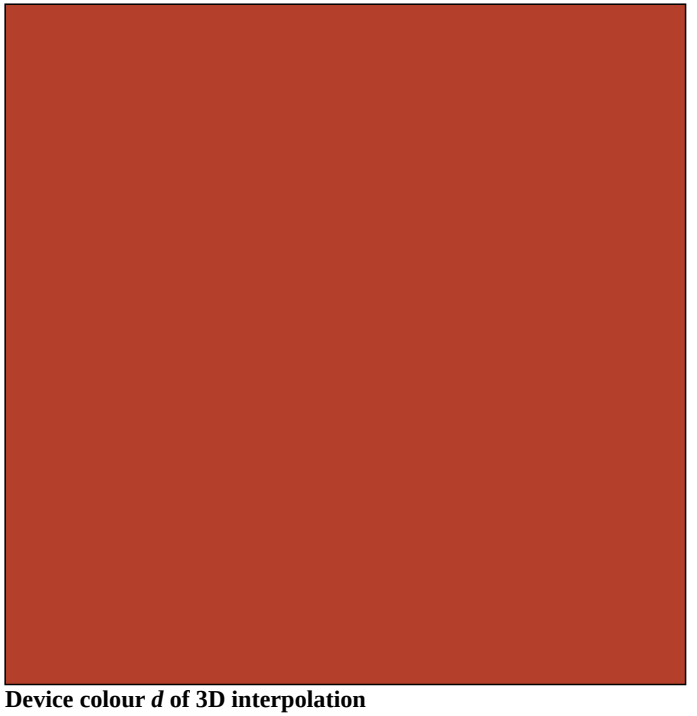
3 Colours no. *j*=415

output of the device colour *d*:

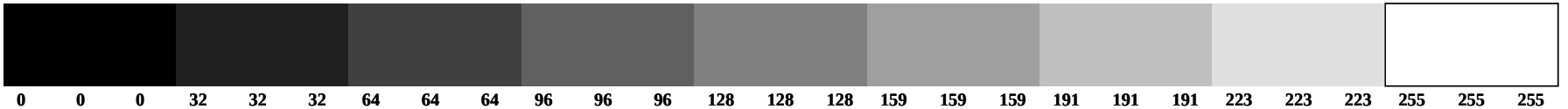
rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	0.125	0.625	0.22	0.125	0.707	0.247	0.165
$olv^*_{Fa,\ 8bit}$	159	32	32	159	56	32	180	63	42
L^*, C^*_{ab}, h_{ab}	38.5	45.4	27.6	46.4	43.1	38.2	53.2	51.4	35.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	17.0	17.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
416	0.625	0.125	0.25	16.1	53.1	76.9	12.3	75.2	16.4	45.1	38.5	12.3	37.6	8.2	0.375	0.5	b88r	m67o		1.0	0.0	0.332	0.625	0.125	0.291
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
416	0.625	0.125	0.25	16.1	52.5	87.4	21.6	81.3	32.2	44.8	43.7	21.6	40.6	16.1	0.375	0.5	b96r	m77o		1.0	0.0	0.068	0.625	0.125	0.159

3 Colours no. *j*=416

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.125	0.25	0.625	0.125	0.291	0.684	0.222	0.28
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	32	64	159	32	74	174	57	71
L^*, C^*_{ab}, h_{ab}	39.1	43.7	2.8	45.1	38.5	12.3	48.5	44.0	18.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.5	10.5	3D−it:	8.0	8.0

linear interpolation (it): | **3D interpolation (3D):**

3 Colours no. *j*=416

output of the device colour *d*:

rgb input (in):									
	0.625	0.125	0.25	0.625	0.125	0.159	0.711	0.198	0.22
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	32	64	159	32	41	181	51	56
L^*, C^*_{ab}, h_{ab}	39.1	43.7	2.8	44.8	43.7	21.6	48.0	45.6	20.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.4	15.4	3D−in:	16.8	16.8

linear interpolation (it): | **3D interpolation (3D):**

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
417	0.625	0.125	0.375	360.0	53.9	78.2	357.0	78.1	−3.9	45.5	39.1	357.0	39.0	−1.9	0.375	0.5	b75r	m47o		1.0	0.0	0.529	0.625	0.125	0.389
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
417	0.625	0.125	0.375	360.0	53.4	76.6	2.4	76.5	3.2	45.2	38.3	2.4	38.3	1.6	0.375	0.5	b79r	m50o		1.0	0.0	0.406	0.625	0.125	0.328

3 Colours no. *j*=417

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.125	0.375	0.625	0.125	0.389	0.676	0.227	0.371
$rgb^*_{Fa,\ 8bit}$	159	32	96	159	32	99	172	58	95
L^*, C^*_{ab}, h_{ab}	39.7	48.3	345.7	45.5	39.1	357.0	48.5	41.8	3.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.9	13.9	3D−it:	5.9	5.9	

3 Colours no. *j*=417

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.125	0.375	0.625	0.125	0.328	0.675	0.226	0.337
$olv^*_{Fa,\ 8bit}$	159	32	96	159	32	84	172	58	86
L^*, C^*_{ab}, h_{ab}	39.7	48.3	345.7	45.2	38.3	2.4	48.5	41.8	3.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.0	17.0	3D−in:	17.5	17.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
418	0.625	0.125	0.5	343.9	55.2	87.2	341.8	82.9	−27.2	46.2	43.6	341.8	41.4	−13.5	0.375	0.5	b61r	m22o		1.0	0.0	0.784	0.625	0.125	0.517
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
418	0.625	0.125	0.5	343.9	54.9	85.1	343.2	81.5	−24.5	46.0	42.6	343.2	40.8	−12.2	0.375	0.5	b63r	m23o		1.0	0.0	0.743	0.625	0.125	0.497

3 Colours no. *j*=418

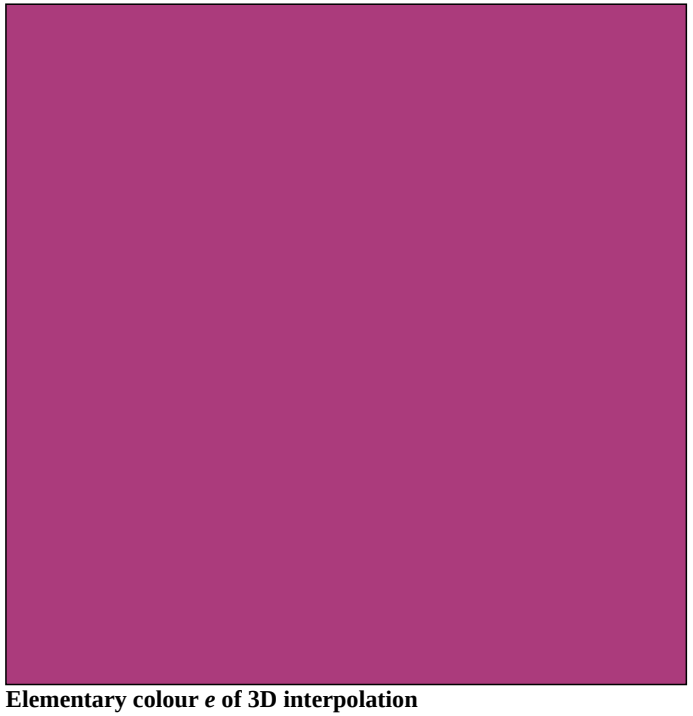
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	0.5	0.625	0.125	0.517	0.672	0.232	0.487
$rgb^*_{Fa,\ 8bit}$	159	32	128	159	32	132	171	59	124
L^*, C^*_{ab}, h_{ab}	40.5	56.3	334.2	46.2	43.6	341.8	49.1	46.0	347.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−it:	5.6	5.6	

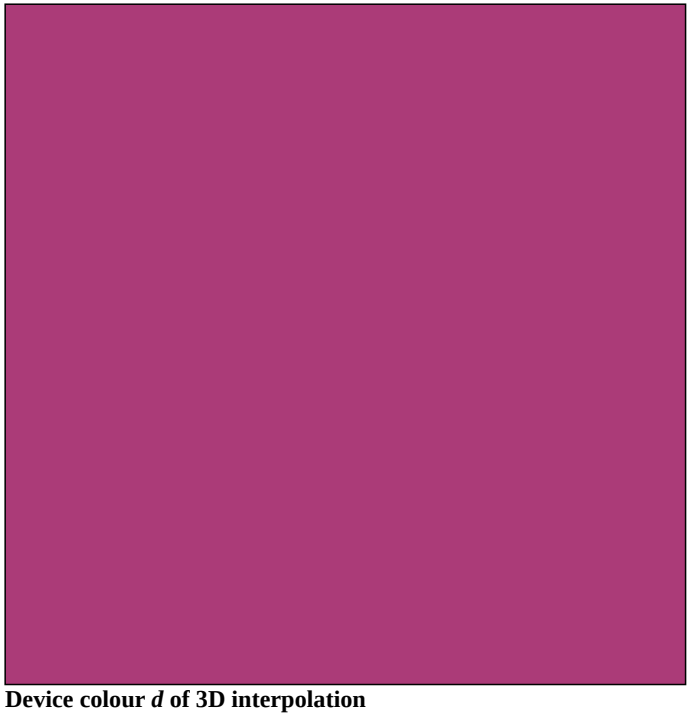
3 Colours no. *j*=418

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	0.5	0.625	0.125	0.497	0.669	0.233	0.472
$olv^*_{Fa,\ 8bit}$	159	32	128	159	32	127	171	59	120
L^*, C^*_{ab}, h_{ab}	40.5	56.3	334.2	46.0	42.6	343.2	49.1	46.0	347.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.7	16.7	3D−in:	17.5	17.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
419	0.625	0.125	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	47.5	52.6	328.6	44.9	−27.3	0.375	0.5	b50r	m02o		1.0	0.0	0.976	0.625	0.125	0.613
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
419	0.625	0.125	0.625	330.0	56.9	108.7	326.6	90.7	−59.7	47.0	54.3	326.6	45.4	−29.8	0.375	0.5	b47r	m00o		0.965	0.0	1.0	0.608	0.125	0.625

3 Colours no. *j*=419

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	0.625	0.625	0.125	0.613	0.671	0.244	0.643
$rgb^*_{Fa,\ 8bit}$	159	32	159	159	32	156	171	62	164
L^*, C^*_{ab}, h_{ab}	41.4	65.2	326.9	47.5	52.6	328.6	48.6	56.3	330.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.1	14.1	3D−it:	4.4	4.4	

3 Colours no. *j*=419

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	0.625	0.608	0.125	0.625	0.658	0.237	0.66
$olv^*_{Fa,\ 8bit}$	159	32	159	155	32	159	168	60	168
L^*, C^*_{ab}, h_{ab}	41.4	65.2	326.9	47.0	54.3	326.6	47.6	57.1	331.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−in:	11.2	11.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
420	0.625	0.125	0.75	319.1	50.4	110.1	318.3	82.2	−73.1	47.8	68.8	318.3	51.4	−45.7	0.25	0.625	b40r	v79m		0.794	0.0	1.0	0.621	0.125	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
420	0.625	0.125	0.75	319.1	53.8	109.1	322.5	86.6	−66.3	49.9	68.2	322.5	54.1	−41.4	0.25	0.625	b44r	v82m		0.893	0.0	1.0	0.683	0.125	0.75

3 Colours no. *j*=420

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.125	0.75	0.621	0.125	0.75	0.647	0.232	0.829
$rgb^*_{Fa,\ 8bit}$	159	32	191	158	32	191	165	59	211
L^*, C^*_{ab}, h_{ab}	42.4	74.4	321.8	47.8	68.8	318.3	48.4	67.2	321.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−it:	4.4	4.4	

3 Colours no. *j*=420

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.125	0.75	0.683	0.125	0.75	0.719	0.238	0.823
$olv^*_{Fa,\ 8bit}$	159	32	191	174	32	191	183	61	210
L^*, C^*_{ab}, h_{ab}	42.4	74.4	321.8	49.9	68.2	322.5	51.6	68.2	325.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−in:	12.0	12.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
421	0.625	0.125	0.875	310.9	42.3	114.4	310.5	74.3	−86.9	45.9	85.8	310.5	55.7	−65.1	0.125	0.75	b33r	v49m		0.492	0.0	1.0	0.494	0.125	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
421	0.625	0.125	0.875	310.9	51.8	109.6	319.4	83.3	−71.2	53.0	82.2	319.4	62.5	−53.3	0.125	0.75	b41r	v68m		0.839	0.0	1.0	0.754	0.125	0.875

3 Colours no. *j*=421

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	0.875	0.494	0.125	0.875	0.535	0.202	0.926
$rgb^*_{Fa,\ 8bit}$	159	32	223	126	32	223	136	52	236
L^*, C^*_{ab}, h_{ab}	43.7	85.4	317.7	45.9	85.8	310.5	51.4	84.0	315.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−it:	9.6	9.6	

3 Colours no. *j*=421

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	0.875	0.754	0.125	0.875	0.773	0.237	0.928
$olv^*_{Fa,\ 8bit}$	159	32	223	192	32	223	197	60	237
L^*, C^*_{ab}, h_{ab}	43.7	85.4	317.7	53.0	82.2	319.4	57.8	84.3	327.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	19.6	19.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
422	0.625	0.125	1.0	304.7	35.4	120.3	304.6	68.4	−98.9	42.9	105.3	304.6	59.9	−86.5	0.0	0.875	b28r	v11m		0.109	0.0	1.0	0.22	0.125	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
422	0.625	0.125	1.0	304.7	50.5	110.0	317.1	80.6	−74.8	56.2	96.3	317.1	70.5	−65.4	0.0	0.875	b39r	v58m		0.798	0.0	1.0	0.823	0.125	1.0

3 Colours no. *j*=422

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	1.0	0.22	0.125	1.0	0.328	0.17	1.0
$rgb^*_{Fa,\ 8bit}$	159	32	255	56	32	255	84	43	255
L^*, C^*_{ab}, h_{ab}	47.3	107.0	312.5	42.9	105.3	304.6	43.9	107.7	307.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.4	15.4	3D−it:	6.2	6.2	

3 Colours no. *j*=422

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	1.0	0.823	0.125	1.0	0.826	0.234	1.0
$olv^*_{Fa,\ 8bit}$	159	32	255	210	32	255	211	60	255
L^*, C^*_{ab}, h_{ab}	47.3	107.0	312.5	56.2	96.3	317.1	57.8	93.3	319.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.1	16.1	3D−in:	20.9	20.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
423	0.625	0.25	0.0	53.4	59.7	81.9	51.5	50.9	64.2	43.9	51.2	51.5	31.8	40.1	0.375	0.625	r39j	o32y		1.0	0.324	0.0	0.625	0.202	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
423	0.625	0.25	0.0	53.4	68.3	78.9	63.0	35.8	70.3	49.3	49.3	63.0	22.4	44.0	0.375	0.625	r56j	o39y		1.0	0.562	0.0	0.625	0.351	0.0

3 Colours no. *j*=423

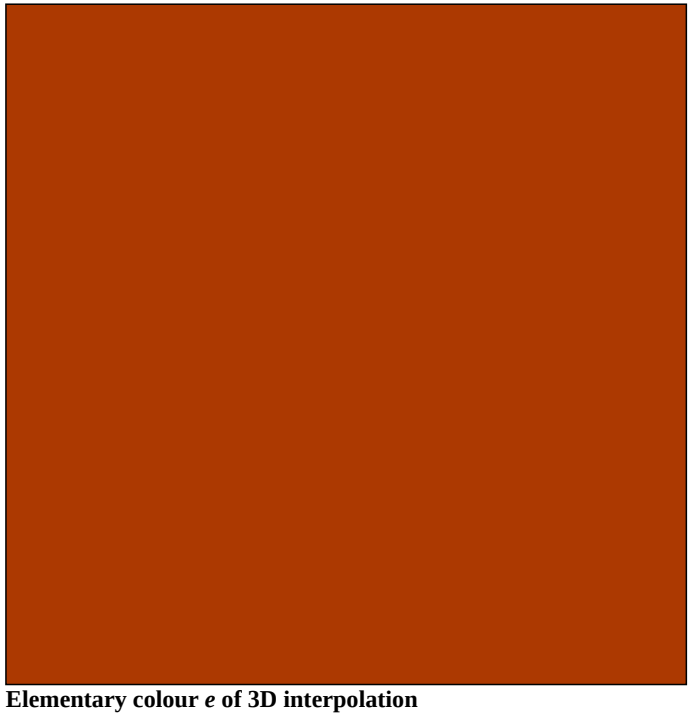
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.0	0.625	0.202	0.0	0.674	0.222	0.004
$rgb^*_{Fa,\ 8bit}$	159	64	0	159	52	0	172	56	1
L^*, C^*_{ab}, h_{ab}	43.7	46.5	58.4	43.9	51.2	51.5	47.6	58.0	51.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−it:	7.7	7.7	

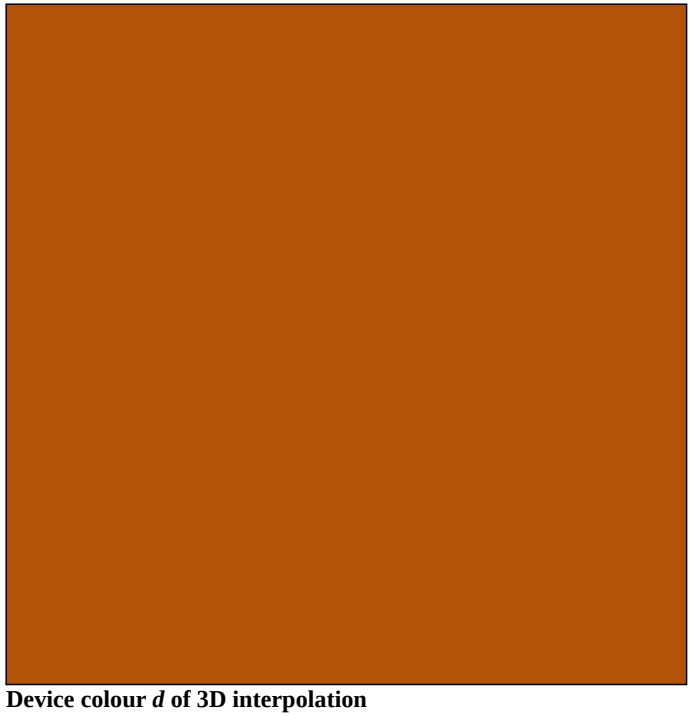
3 Colours no. *j*=423

output of the device colour *d*:

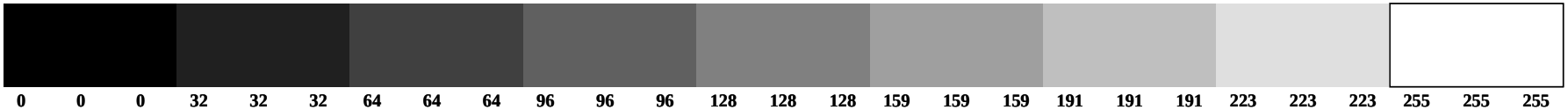
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.0	0.625	0.351	0.0	0.696	0.329	0.038
$olv^*_{Fa,\ 8bit}$	159	64	0	159	89	0	178	84	10
L^*, C^*_{ab}, h_{ab}	43.7	46.5	58.4	49.3	49.3	63.0	52.8	51.7	63.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−in:	11.5	11.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
424	0.625	0.25	0.125	43.9	54.0	88.3	40.9	66.7	57.9	45.5	44.2	40.9	33.4	28.9	0.375	0.5	r23j	o13y		1.0	0.132	0.0	0.625	0.191	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
424	0.625	0.25	0.125	43.9	62.7	80.0	52.9	48.2	63.8	49.9	40.0	52.9	24.1	31.9	0.375	0.5	r41j	o23y		1.0	0.411	0.0	0.625	0.33	0.125

3 Colours no. *j*=424

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.125	0.625	0.191	0.125	0.694	0.238	0.142
$rgb^*_{Fa,\ 8bit}$	159	64	32	159	49	32	177	61	36
L^*, C^*_{ab}, h_{ab}	43.9	38.7	48.1	45.5	44.2	40.9	47.6	49.9	44.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	6.6	6.6	

3 Colours no. *j*=424

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.125	0.625	0.33	0.125	0.701	0.333	0.162
$olv^*_{Fa,\ 8bit}$	159	64	32	159	84	32	179	85	41
L^*, C^*_{ab}, h_{ab}	43.9	38.7	48.1	49.9	40.0	52.9	55.8	43.5	53.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	13.4	13.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

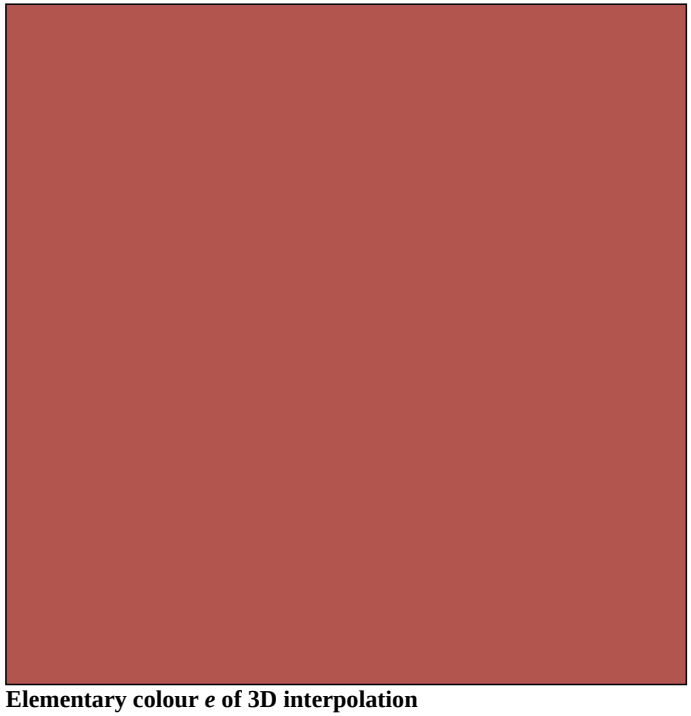
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
425	0.625	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	50.2	30.5	25.5	27.5	13.1	0.375	0.375	b99r	m81o		1.0	0.0	0.189	0.625	0.25	0.321
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
425	0.625	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	51.3	32.3	38.2	25.4	20.0	0.375	0.375	r19j	m100o		1.0	0.19	0.0	0.625	0.321	0.25

3 Colours no. *j*=425

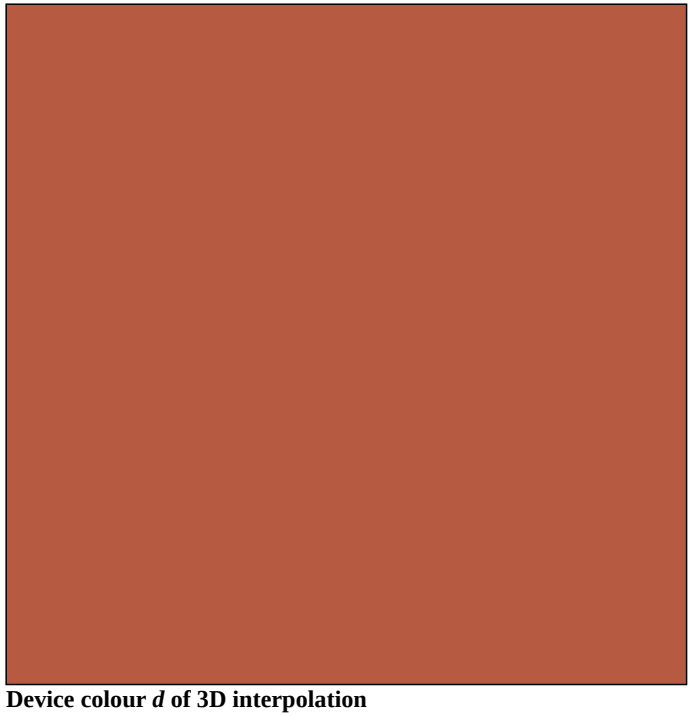
	rgb input (in):			output of the elementary colour *e*: linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.25	0.625	0.25	0.321	0.698	0.332	0.304
$rgb^*_{Fa,\ 8bit}$	159	64	64	159	64	82	178	85	78
L^*, C^*_{ab}, h_{ab}	44.4	30.8	19.7	50.2	30.5	25.5	53.6	32.8	29.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.6	6.6	3D−it:	4.7	4.7

3 Colours no. *j*=425

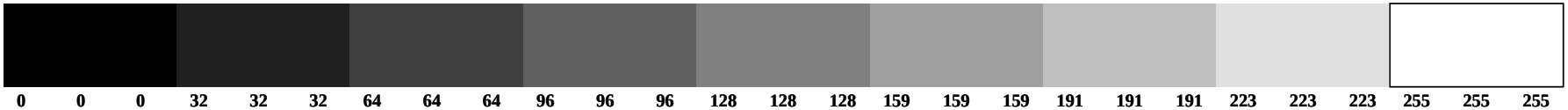
	rgb input (in):			output of the device colour *d*: linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.25	0.625	0.321	0.25	0.713	0.353	0.259
$olv^*_{Fa,\ 8bit}$	159	64	64	159	82	64	182	90	66
L^*, C^*_{ab}, h_{ab}	44.4	30.8	19.7	51.3	32.3	38.2	53.2	35.0	42.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.4	12.4	3D−in:	16.4	16.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
426	0.625	0.25	0.375	10.9	53.3	76.5	7.4	75.8	9.8	50.5	28.7	7.4	28.4	3.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
426	0.625	0.25	0.375	10.9	52.7	81.9	15.4	79.0	21.8	50.2	30.7	15.4	29.6	8.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.375	b83r	m61o		1.0	0.0	0.391	0.625	0.25	0.397
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.375	b90r	m68o		1.0	0.0	0.177	0.625	0.25	0.316

3 Colours no. *j*=426

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.375	0.625	0.25	0.397	0.688	0.336	0.389
$rgb^*_{Fa,\ 8bit}$	159	64	96	159	64	101	175	86	99
L^*, C^*_{ab}, h_{ab}	45.0	33.0	353.5	50.5	28.7	7.4	54.1	33.4	17.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.2	10.2	3D−it:	8.0	8.0

3 Colours no. *j*=426

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.375	0.625	0.25	0.316	0.702	0.325	0.346
$olv^*_{Fa,\ 8bit}$	159	64	96	159	64	81	179	83	88
L^*, C^*_{ab}, h_{ab}	45.0	33.0	353.5	50.2	30.7	15.4	53.6	32.3	18.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.4	13.4	3D−in:	16.4	16.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
427	0.625	0.25	0.5	349.1	54.7	83.3	346.7	81.1	−19.0	51.0	31.3	346.7	30.4	−7.1	0.375	0.375	b66r	m30o		1.0	0.0	0.696	0.625	0.25	0.511
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
427	0.625	0.25	0.5	349.1	54.4	81.0	349.4	79.7	−14.8	50.9	30.4	349.4	29.9	−5.5	0.375	0.375	b68r	m32o		1.0	0.0	0.634	0.625	0.25	0.488

3 Colours no. *j*=427

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.5	0.625	0.25	0.511	0.68	0.342	0.497
$rgb^*_{Fa,\ 8bit}$	159	64	128	159	64	130	173	87	127
L^*, C^*_{ab}, h_{ab}	45.6	40.2	336.0	51.0	31.3	346.7	54.1	32.0	355.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.4	12.4	3D−it:	5.7	5.7	

3 Colours no. *j*=427

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.5	0.625	0.25	0.488	0.679	0.342	0.48
$olv^*_{Fa,\ 8bit}$	159	64	128	159	64	124	173	87	122
L^*, C^*_{ab}, h_{ab}	45.6	40.2	336.0	50.9	30.4	349.4	54.1	32.0	355.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.8	13.8	3D−in:	16.8	16.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
428	0.625	0.25	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	52.2	39.5	328.6	33.7	−20.5	0.375	0.375	b50r	m02o		1.0	0.0	0.976	0.625	0.25	0.616
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
428	0.625	0.25	0.625	330.0	56.9	108.7	326.6	90.7	−59.7	51.8	40.7	326.6	34.0	−22.3	0.375	0.375	b47r	m00o		0.965	0.0	1.0	0.612	0.25	0.625

3 Colours no. *j*=428

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.625	0.625	0.25	0.616	0.677	0.355	0.65
$rgb^*_{Fa,\ 8bit}$	159	64	159	159	64	157	173	90	166
L^*, C^*_{ab}, h_{ab}	46.3	49.1	325.9	52.2	39.5	328.6	55.3	42.5	337.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−it:	7.7	7.7	

3 Colours no. *j*=428

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.625	0.612	0.25	0.625	0.666	0.349	0.663
$olv^*_{Fa,\ 8bit}$	159	64	159	156	64	159	170	89	169
L^*, C^*_{ab}, h_{ab}	46.3	49.1	325.9	51.8	40.7	326.6	55.3	44.0	333.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	11.8	11.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
429	0.625	0.25	0.75	316.1	47.5	111.4	315.4	79.4	−78.0	52.0	55.7	315.4	39.7	−39.0	0.25	0.5	b38r	v70m		0.696	0.0	1.0	0.598	0.25	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
429	0.625	0.25	0.75	316.1	52.9	109.2	321.4	85.4	−68.0	54.7	54.6	321.4	42.7	−34.0	0.25	0.5	b43r	v77m		0.873	0.0	1.0	0.687	0.25	0.75

3 Colours no. *j*=429

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.75	0.598	0.25	0.75	0.643	0.34	0.83
$rgb^*_{Fa,\ 8bit}$	159	64	191	153	64	191	164	87	212
L^*, C^*_{ab}, h_{ab}	47.2	59.0	319.6	52.0	55.7	315.4	56.2	57.1	319.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−it:	6.2	6.2	

3 Colours no. *j*=429

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.75	0.687	0.25	0.75	0.729	0.358	0.826
$olv^*_{Fa,\ 8bit}$	159	64	191	175	64	191	186	91	211
L^*, C^*_{ab}, h_{ab}	47.2	59.0	319.6	54.7	54.6	321.4	56.2	53.8	324.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−in:	11.4	11.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
430	0.625	0.25	0.875	306.6	37.6	118.4	306.4	70.3	−95.1	49.5	74.0	306.4	43.9	−59.4	0.125	0.625	b30r	v26m		0.258	0.0	1.0	0.411	0.25	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
430	0.625	0.25	0.875	306.6	50.9	109.9	317.8	81.4	−73.7	57.9	68.7	317.8	50.9	−46.0	0.125	0.625	b40r	v61m		0.81	0.0	1.0	0.756	0.25	0.875

3 Colours no. *j*=430

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.875	0.411	0.25	0.875	0.514	0.302	0.928
$rgb^*_{Fa,\ 8bit}$	159	64	223	105	64	223	131	77	237
L^*, C^*_{ab}, h_{ab}	48.4	70.6	315.0	49.5	74.0	306.4	53.4	70.2	309.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−it:	6.3	6.3	

3 Colours no. *j*=430

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.875	0.756	0.25	0.875	0.784	0.367	0.931
$olv^*_{Fa,\ 8bit}$	159	64	223	193	64	223	200	94	237
L^*, C^*_{ab}, h_{ab}	48.4	70.6	315.0	57.9	68.7	317.8	66.2	70.3	320.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−in:	18.9	18.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
431	0.625	0.25	1.0	300.0	39.4	107.0	300.2	53.8	−92.4	53.4	80.3	300.2	40.4	−69.3	0.0	0.75	b25r	c83v		0.0	0.173	1.0	0.25	0.38	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
431	0.625	0.25	1.0	300.0	49.6	110.4	315.3	78.5	−77.5	61.0	82.8	315.3	58.9	−58.1	0.0	0.75	b38r	v50m		0.767	0.0	1.0	0.825	0.25	1.0

3 Colours no. *j*=431

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.25	1.0	0.25	0.38	1.0	0.452	0.376	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	64	255	64	97	255	115	96	255
L^*, C^*_{ab}, h_{ab}	51.4	93.6	310.0	53.4	80.3	300.2	54.0	79.6	301.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.0	20.0	3D−it:	2.6	2.6	

linear interpolation (it):			3D interpolation (3D):		
0.25	0.38	1.0	0.452	0.376	1.0
64	97	255	115	96	255
53.4	80.3	300.2	54.0	79.6	301.9
		it−in:	2.6	2.6	

3 Colours no. *j*=431

output of the device colour *d*:

rgb input (in):									
	0.625	0.25	1.0	0.825	0.25	1.0	0.839	0.374	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	64	255	210	64	255	214	95	255
L^*, C^*_{ab}, h_{ab}	51.4	93.6	310.0	61.0	82.8	315.3	61.7	80.7	317.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.7	16.7	3D−in:	20.2	20.2	

linear interpolation (it):			3D interpolation (3D):		
0.825	0.25	1.0	0.839	0.374	1.0
210	64	255	214	95	255
61.0	82.8	315.3	61.7	80.7	317.6
		it−in:	16.7	16.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
432	0.625	0.375	0.0	66.6	67.3	78.9	66.2	31.8	72.2	48.7	49.3	66.2	19.9	45.1	0.375	0.625	r60j	o54y		1.0	0.537	0.0	0.625	0.335	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
432	0.625	0.375	0.0	66.6	77.3	83.3	77.0	18.8	81.2	55.0	52.1	77.0	11.7	50.7	0.375	0.625	r76j	o61y		1.0	0.771	0.0	0.625	0.482	0.0

3 Colours no. *j*=432

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.0	0.625	0.335	0.0	0.672	0.331	0.014
$rgb^*_{Fa,\ 8bit}$	159	96	0	159	86	0	171	84	4
L^*, C^*_{ab}, h_{ab}	49.5	48.0	77.5	48.7	49.3	66.2	52.8	53.7	64.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	6.2	6.2	

3 Colours no. *j*=432

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.0	0.625	0.482	0.0	0.714	0.446	0.043
$olv^*_{Fa,\ 8bit}$	159	96	0	159	123	0	182	114	11
L^*, C^*_{ab}, h_{ab}	49.5	48.0	77.5	55.0	52.1	77.0	58.3	54.5	75.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	11.0	11.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
433	0.625	0.375	0.125	60.0	63.5	79.7	58.9	41.2	68.2	50.3	39.8	58.9	20.6	34.1	0.375	0.5	r49j	o43y		1.0	0.434	0.0	0.625	0.342	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
433	0.625	0.375	0.125	60.0	72.5	80.1	70.0	27.4	75.3	54.8	40.1	70.0	13.7	37.7	0.375	0.5	r66j	o50y		1.0	0.666	0.0	0.625	0.458	0.125

3 Colours no. *j*=433

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.125	0.625	0.342	0.125	0.686	0.353	0.151
$rgb^*_{Fa,\ 8bit}$	159	96	32	159	87	32	175	90	39
L^*, C^*_{ab}, h_{ab}	49.7	38.5	71.9	50.3	39.8	58.9	52.8	47.4	61.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−it:	8.2	8.2	

3 Colours no. *j*=433

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.125	0.625	0.458	0.125	0.708	0.44	0.169
$olv^*_{Fa,\ 8bit}$	159	96	32	159	117	32	181	112	43
L^*, C^*_{ab}, h_{ab}	49.7	38.5	71.9	54.8	40.1	70.0	59.9	41.7	68.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−in:	10.9	10.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
434	0.625	0.375	0.25	49.1	57.2	84.2	46.7	57.7	61.3	51.9	31.6	46.7	21.6	23.0	0.375	0.375	r32j	o25y		1.0	0.246	0.0	0.625	0.342	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
434	0.625	0.375	0.25	49.1	65.7	78.9	58.4	41.3	67.2	55.1	29.6	58.4	15.5	25.2	0.375	0.375	r49j	o32y		1.0	0.493	0.0	0.625	0.435	0.25

3 Colours no. *j*=434

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.25	0.625	0.342	0.25	0.7	0.374	0.242
$rgb^*_{Fa,\ 8bit}$	159	96	64	159	87	64	179	95	62
L^*, C^*_{ab}, h_{ab}	50.1	24.3	50.7	51.9	31.6	46.7	53.2	35.0	42.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	4.2	4.2	

3 Colours no. *j*=434

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.25	0.625	0.435	0.25	0.706	0.442	0.262
$olv^*_{Fa,\ 8bit}$	159	96	64	159	111	64	180	113	67
L^*, C^*_{ab}, h_{ab}	50.1	24.3	50.7	55.1	29.6	58.4	59.0	35.8	64.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−in:	16.1	16.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
435	0.625	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	55.6	20.3	25.5	18.3	8.7	0.375	0.25	b99r	m81o		1.0	0.0	0.189	0.625	0.375	0.422
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
435	0.625	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	56.3	21.6	38.2	16.9	13.3	0.375	0.25	r19j	m100o		1.0	0.19	0.0	0.625	0.423	0.375

3 Colours no. *j*=435

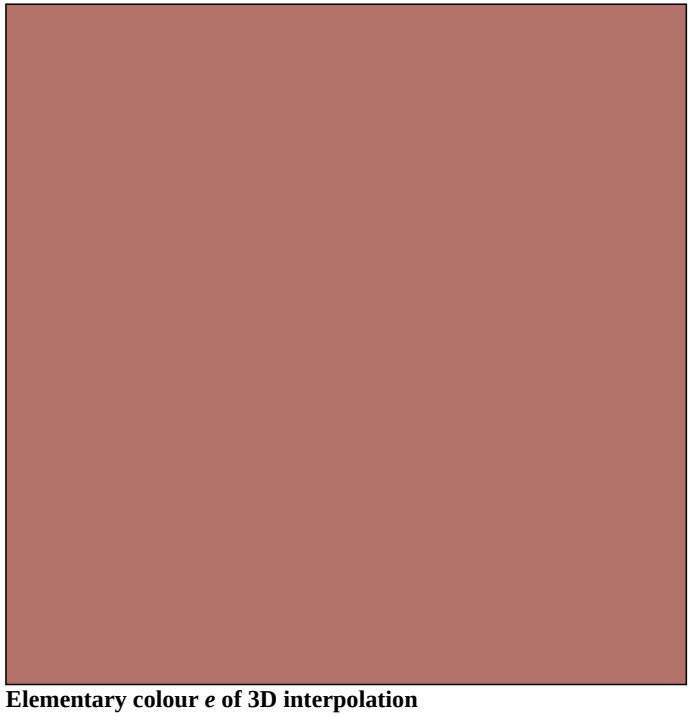
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.375	0.625	0.375	0.422	0.697	0.446	0.415
$rgb^*_{Fa,\ 8bit}$	159	96	96	159	96	108	178	114	106
L^*, C^*_{ab}, h_{ab}	50.6	19.4	14.8	55.6	20.3	25.5	59.4	22.4	32.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.3	6.3	3D−it:	5.0	5.0

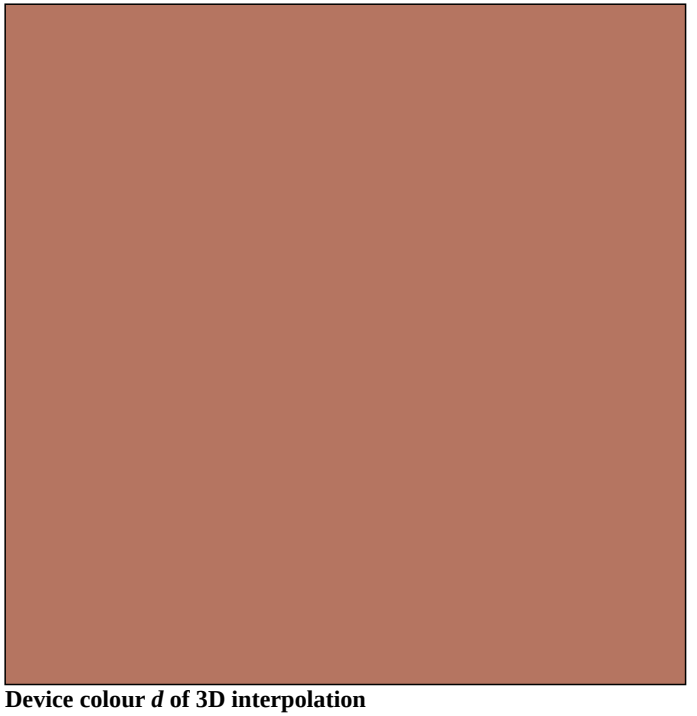
3 Colours no. *j*=435

output of the device colour *d*:

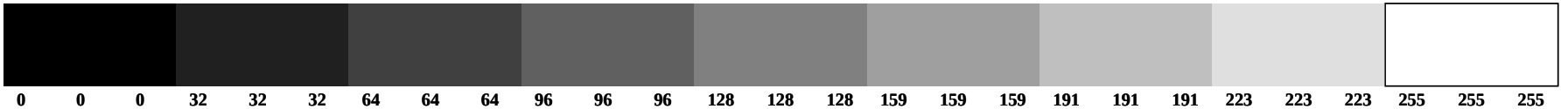
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.375	0.625	0.423	0.375	0.708	0.459	0.382
$olv^*_{Fa,\ 8bit}$	159	96	96	159	108	96	181	117	98
L^*, C^*_{ab}, h_{ab}	50.6	19.4	14.8	56.3	21.6	38.2	59.0	25.7	44.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.3	10.3	3D−in:	15.6	15.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
436	0.625	0.375	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	55.9	19.5	357.0	19.5	−0.9	0.375	0.25	b75r	m47o		1.0	0.0	0.529	0.625	0.375	0.507
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
436	0.625	0.375	0.5	0.0	53.4	76.6	2.4	76.5	3.2	55.7	19.1	2.4	19.1	0.8	0.375	0.25	b79r	m50o		1.0	0.0	0.406	0.625	0.375	0.476

3 Colours no. j=436

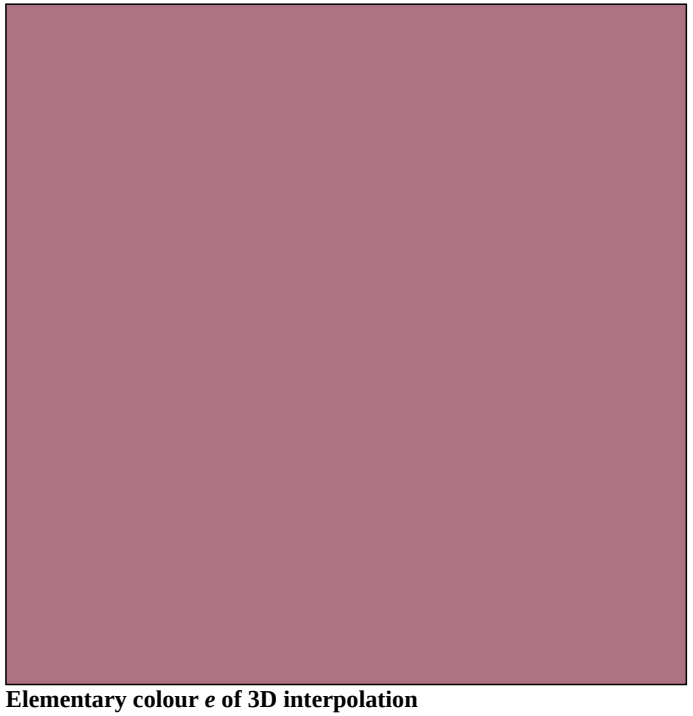
output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.5	0.625	0.375	0.507	0.683	0.451	0.511
$rgb^*_{Fa,\ 8bit}$	159	96	128	159	96	129	174	115	130
L^*, C^*_{ab}, h_{ab}	51.1	24.1	341.3	55.9	19.5	357.0	59.9	22.7	9.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−it:	6.7	6.7	

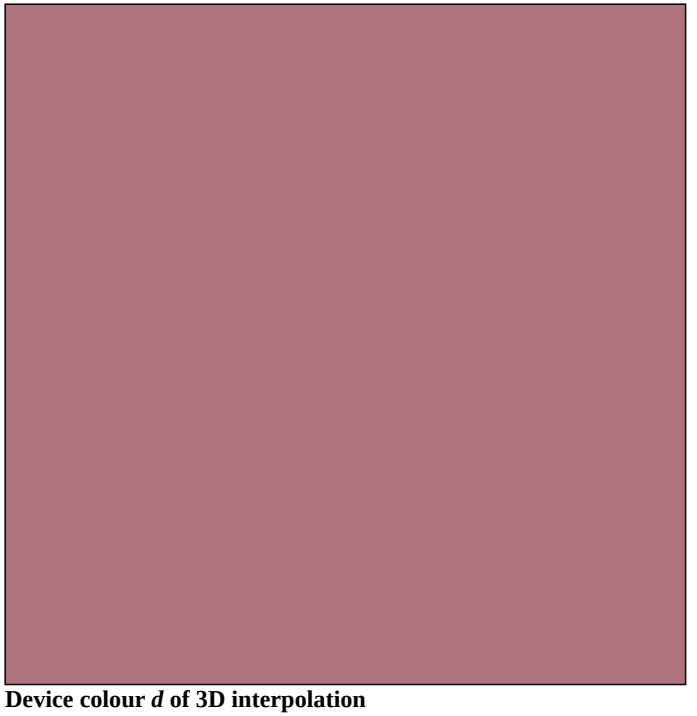
3 Colours no. j=436

output of the device colour d:

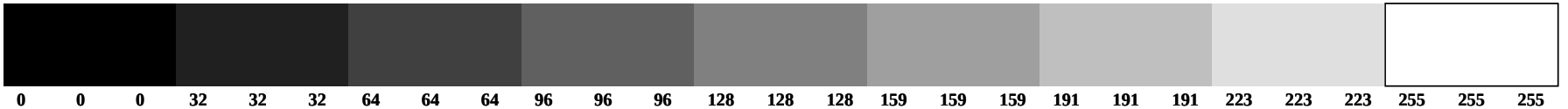
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.5	0.625	0.375	0.476	0.683	0.45	0.491
$olv^*_{Fa,\ 8bit}$	159	96	128	159	96	121	174	115	125
L^*, C^*_{ab}, h_{ab}	51.1	24.1	341.3	55.7	19.1	2.4	59.4	20.1	16.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	16.1	16.1	



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
437	0.625	0.375	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	56.9	26.3	328.6	22.5	−13.6	0.375	0.25	b50r	m02o		1.0	0.0	0.976	0.625	0.375	0.619
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
437	0.625	0.375	0.625	330.0	56.9	108.7	326.6	90.8	−59.7	56.6	27.2	326.6	22.7	−14.8	0.375	0.25	b47r	m00o		0.965	0.0	1.0	0.616	0.375	0.625

3 Colours no. *j*=437

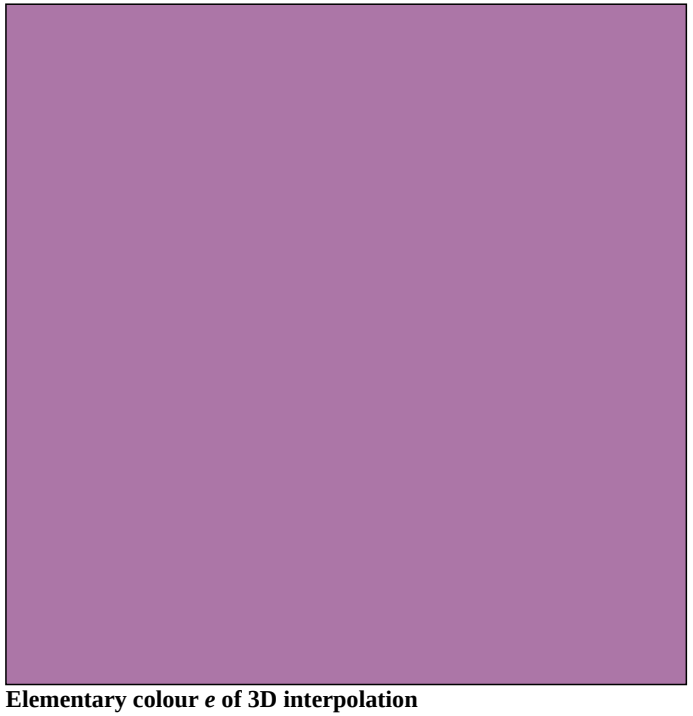
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.625	0.625	0.375	0.619	0.676	0.462	0.656
$rgb^*_{Fa,\ 8bit}$	159	96	159	159	96	158	172	118	167
L^*, C^*_{ab}, h_{ab}	51.7	32.8	324.8	56.9	26.3	328.6	60.5	28.3	337.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.5	8.5	3D−it:	5.9	5.9

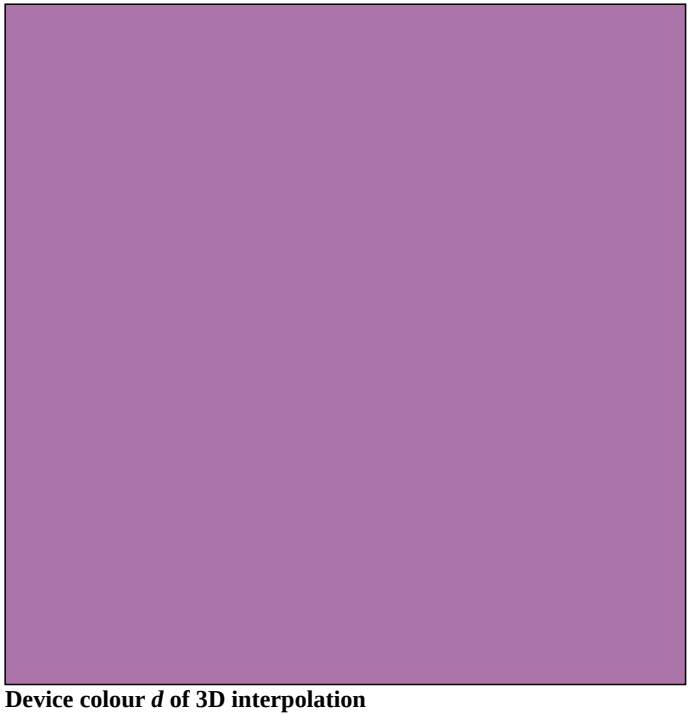
3 Colours no. *j*=437

output of the device colour *d*:

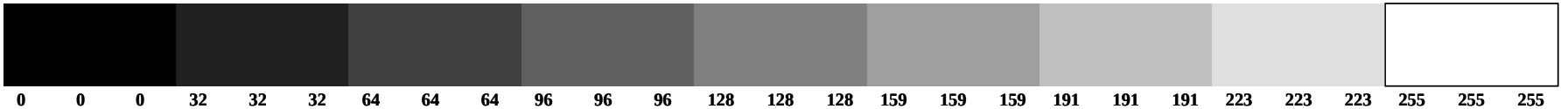
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.625	0.616	0.375	0.625	0.67	0.458	0.665
$olv^*_{Fa,\ 8bit}$	159	96	159	157	96	159	171	117	170
L^*, C^*_{ab}, h_{ab}	51.7	32.8	324.8	56.6	27.2	326.6	60.5	29.3	333.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.5	7.5	3D−in:	10.5	10.5



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$	n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$	$olv^*_{3Fae,it}$
438	0.625 0.375 0.75	310.9	42.3 114.4 310.5 74.3 −86.8	56.1 42.9 310.5 27.9 −32.5	0.25	0.375	b33r	v49m		0.493 0.0 1.0	0.56 0.375 0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$	n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$	$rgb^*_{3Fad,it}$
438	0.625 0.375 0.75	310.9	51.8 109.6 319.4 83.3 −71.2	59.6 41.1 319.4 31.2 −26.6	0.25	0.375	b41r	v68m		0.839 0.0 1.0	0.69 0.375 0.75

3 Colours no. *j*=438

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.75	0.56	0.375	0.75	0.629	0.442	0.83
$rgb^*_{Fa,\ 8bit}$	159	96	191	143	96	191	160	113	212
L^*, C^*_{ab}, h_{ab}	52.5	43.2	316.4	56.1	42.9	310.5	61.3	42.1	317.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−it:	7.2	7.2	

3 Colours no. *j*=438

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.75	0.69	0.375	0.75	0.736	0.474	0.831
$olv^*_{Fa,\ 8bit}$	159	96	191	176	96	191	188	121	212
L^*, C^*_{ab}, h_{ab}	52.5	43.2	316.4	59.6	41.1	319.4	61.3	40.2	321.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−in:	10.1	10.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
439	0.625	0.375	0.875	300.0	39.4	107.0	300.2	53.8	−92.4	57.7	53.5	300.2	26.9	−46.2	0.125	0.5	b25r	c83v		0.0	0.173	1.0	0.375	0.462	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
439	0.625	0.375	0.875	300.0	49.6	110.4	315.3	78.5	−77.5	62.8	55.2	315.3	39.3	−38.7	0.125	0.5	b38r	v50m		0.767	0.0	1.0	0.758	0.375	0.875

3 Colours no. *j*=439

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.875	0.375	0.462	0.875	0.553	0.476	0.928
$rgb^*_{Fa,\ 8bit}$	159	96	223	96	118	223	141	121	237
L^*, C^*_{ab}, h_{ab}	53.4	55.2	311.2	57.7	53.5	300.2	64.2	54.3	303.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−it:	7.2	7.2	

3 Colours no. *j*=439

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.875	0.758	0.375	0.875	0.79	0.49	0.934
$olv^*_{Fa,\ 8bit}$	159	96	223	193	96	223	201	125	238
L^*, C^*_{ab}, h_{ab}	53.4	55.2	311.2	62.8	55.2	315.3	70.8	57.0	318.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	18.8	18.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
440	0.625	0.375	1.0	293.4	45.7	89.7	293.9	36.4	−81.9	64.3	56.1	293.9	22.8	−51.2	0.0	0.625	b19r	c69v			0.0	0.309	1.0	0.375	0.568	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
440	0.625	0.375	1.0	293.4	48.3	111.0	312.9	75.5	−81.2	66.0	69.3	312.9	47.2	−50.7	0.0	0.625	b35r	v39m			0.723	0.0	1.0	0.827	0.375	1.0

3 Colours no. *j*=440

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.375	1.0	0.375	0.568	1.0	0.568	0.59	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	96	255	96	145	255	145	151	255
L^*, C^*_{ab}, h_{ab}	56.1	79.6	306.5	64.3	56.1	293.9	66.4	52.8	296.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	28.9	28.9	3D−it:	4.8	4.8	

3 Colours no. *j*=440

output of the device colour *d*:

rgb input (in):									
	0.625	0.375	1.0	0.827	0.375	1.0	0.848	0.502	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	96	255	211	96	255	216	128	255
L^*, C^*_{ab}, h_{ab}	56.1	79.6	306.5	66.0	69.3	312.9	66.2	67.2	315.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.5	16.5	3D−in:	19.6	19.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
441	0.625	0.5	0.0	79.1	75.1	81.6	80.2	13.9	80.4	53.6	51.0	80.2	8.7	50.2	0.375	0.625	r81j	o72y		1.0	0.725	0.0	0.625	0.453	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
441	0.625	0.5	0.0	79.1	90.5	98.7	90.2	−0.3	98.7	63.2	61.7	90.2	−0.2	61.7	0.375	0.625	r96j	o82y		1.0	0.969	0.0	0.625	0.606	0.0

3 Colours no. *j*=441

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	0.0	0.625	0.453	0.0	0.672	0.437	0.023
$rgb^*_{Fa,\ 8bit}$	159	128	0	159	116	0	171	111	6
L^*, C^*_{ab}, h_{ab}	55.6	54.3	92.8	53.6	51.0	80.2	58.3	52.8	79.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.2	12.2	3D−it:	5.2	5.2

3 Colours no. *j*=441

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	0.0	0.625	0.606	0.0	0.758	0.606	0.032
$olv^*_{Fa,\ 8bit}$	159	128	0	159	154	0	193	155	8
L^*, C^*_{ab}, h_{ab}	55.6	54.3	92.8	63.2	61.7	90.2	63.8	64.7	87.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.9	10.9	3D−in:	14.3	14.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
442	0.625	0.5	0.125	76.1	73.2	80.5	76.8	18.4	78.4	55.1	40.3	76.8	9.2	39.2	0.375	0.5	r76j	o68y		1.0	0.681	0.0	0.625	0.465	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
442	0.625	0.5	0.125	76.1	86.7	93.7	87.1	4.8	93.6	61.9	46.9	87.1	2.4	46.8	0.375	0.5	r91j	o77y		1.0	0.921	0.0	0.625	0.586	0.125

3 Colours no. *j*=442

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.5	0.125	0.625	0.465	0.125	0.682	0.461	0.161
$rgb^*_{Fa,\ 8bit}$	159	128	32	159	119	32	174	117	41
L^*, C^*_{ab}, h_{ab}	55.7	44.6	91.5	55.1	40.3	76.8	60.5	43.5	74.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−it:	6.6	6.6	

3 Colours no. *j*=442

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.5	0.125	0.625	0.586	0.125	0.739	0.58	0.174
$olv^*_{Fa,\ 8bit}$	159	128	32	159	149	32	188	148	44
L^*, C^*_{ab}, h_{ab}	55.7	44.6	91.5	61.9	46.9	87.1	64.2	54.1	85.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−in:	13.7	13.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
443	0.625	0.5	0.25	70.9	69.9	79.1	71.0	25.7	74.8	56.7	29.7	71.0	9.6	28.0	0.375	0.375	r67j	o60y		1.0	0.603	0.0	0.625	0.476	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
443	0.625	0.5	0.25	70.9	81.0	86.9	81.5	12.8	86.0	60.9	32.6	81.5	4.8	32.2	0.375	0.375	r83j	o68y		1.0	0.839	0.0	0.625	0.565	0.25

3 Colours no. *j*=443

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.5	0.25	0.625	0.476	0.25	0.69	0.485	0.257
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	128	64	159	121	64	176	124	66
L^*, C^*_{ab}, h_{ab}	56.1	27.5	85.8	56.7	29.7	71.0	58.6	34.3	68.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.7	7.7	3D−it:	5.3	5.3

linear interpolation (it): | **3D interpolation (3D):**

3 Colours no. *j*=443

output of the device colour *d*:

rgb input (in):									
	0.625	0.5	0.25	0.625	0.565	0.25	0.719	0.561	0.274
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	128	64	159	144	64	183	143	70
L^*, C^*_{ab}, h_{ab}	56.1	27.5	85.8	60.9	32.6	81.5	64.5	38.6	81.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.3	7.3	3D−in:	14.2	14.2

linear interpolation (it): | **3D interpolation (3D):**

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
444	0.625	0.5	0.375	60.0	63.5	79.7	58.9	41.2	68.2	58.3	19.9	58.9	10.3	17.1	0.375	0.25	r49j	o43y		1.0	0.434	0.0	0.625	0.483	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
444	0.625	0.5	0.375	60.0	72.5	80.1	70.0	27.4	75.3	60.5	20.0	70.0	6.9	18.8	0.375	0.25	r66j	o50y		1.0	0.666	0.0	0.625	0.541	0.375

3 Colours no. *j*=444

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	0.375	0.625	0.483	0.375	0.694	0.511	0.375
$rgb^*_{Fa,\ 8bit}$	159	128	96	159	123	96	177	130	96
L^*, C^*_{ab}, h_{ab}	56.4	14.9	68.0	58.3	19.9	58.9	59.0	23.9	49.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	5.5	5.5	

3 Colours no. *j*=444

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	0.375	0.625	0.541	0.375	0.701	0.555	0.39
$olv^*_{Fa,\ 8bit}$	159	128	96	159	138	96	179	142	99
L^*, C^*_{ab}, h_{ab}	56.4	14.9	68.0	60.5	20.0	70.0	64.9	24.7	73.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−in:	13.0	13.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
445	0.625	0.5	0.5	30.0	52.7	81.3	25.5	73.4	34.9	60.9	10.2	25.5	9.2	4.4	0.375	0.125	b99r	m81o		1.0	0.0	0.189	0.625	0.5	0.524
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
445	0.625	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	61.3	10.8	38.2	8.5	6.7	0.375	0.125	r19j	m100o		1.0	0.19	0.0	0.625	0.524	0.5

3 Colours no. *j*=445

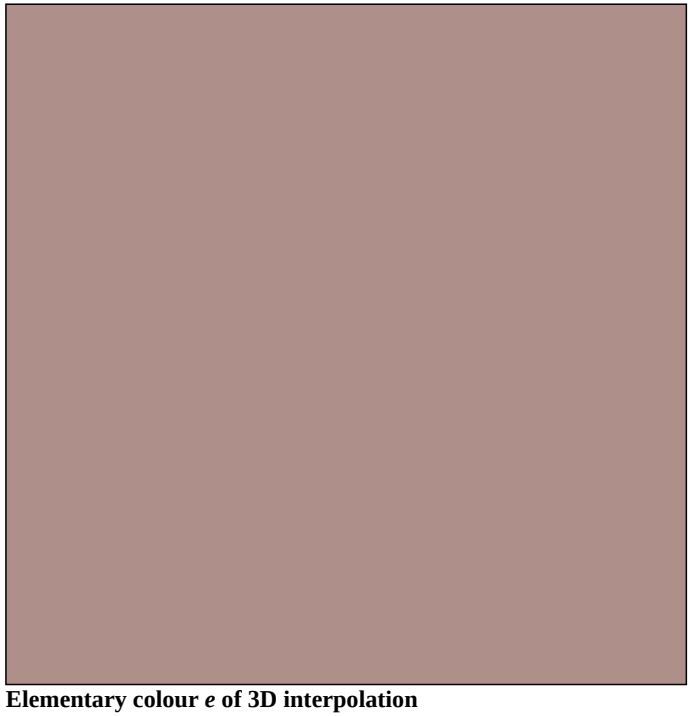
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	0.5	0.625	0.5	0.524	0.683	0.559	0.536
$rgb^*_{Fa,\ 8bit}$	159	128	128	159	128	134	174	143	137
L^*, C^*_{ab}, h_{ab}	56.9	9.4	8.1	60.9	10.2	25.5	65.3	11.8	30.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−it:	4.8	4.8	

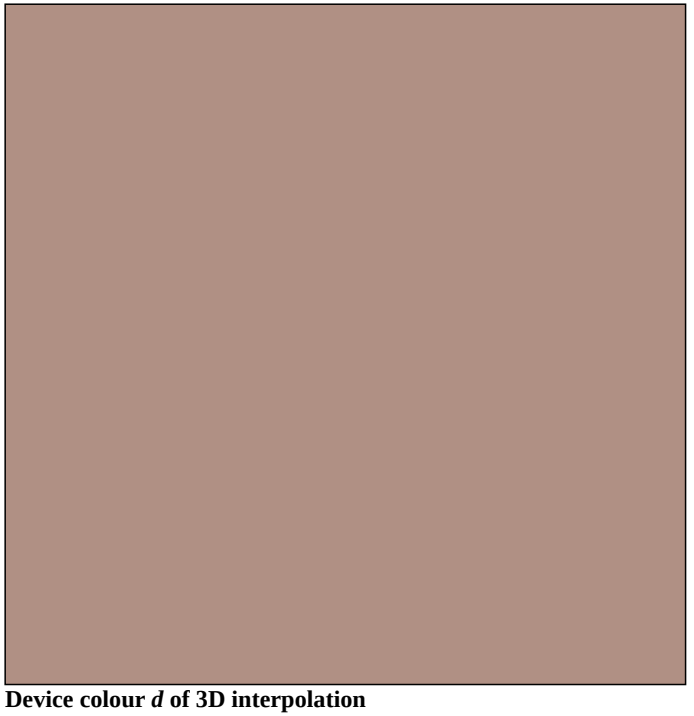
3 Colours no. *j*=445

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	0.5	0.625	0.524	0.5	0.69	0.566	0.518
$olv^*_{Fa,\ 8bit}$	159	128	128	159	134	128	176	144	132
L^*, C^*_{ab}, h_{ab}	56.9	9.4	8.1	61.3	10.8	38.2	65.3	14.6	46.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	12.5	12.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
446	0.625	0.5	0.625	330.0	57.9	105.2	328.6	89.9	−54.7	61.6	13.2	328.6	11.2	−6.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
446	0.625	0.5	0.625	330.0	56.9	108.7	326.7	90.8	−59.6	61.4	13.6	326.7	11.3	−7.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.125	b50r	m02o		1.0	0.0	0.975	0.625	0.5	0.622
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.125	b47r	m00o		0.966	0.0	1.0	0.621	0.5	0.625

3 Colours no. *j*=446

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	0.625	0.625	0.5	0.622	0.67	0.568	0.662
$rgb^*_{Fa,\ 8bit}$	159	128	159	159	128	159	171	145	169
L^*, C^*_{ab}, h_{ab}	57.4	16.6	323.7	61.6	13.2	328.6	65.8	14.9	338.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−it:	5.2	5.2	

3 Colours no. *j*=446

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	0.625	0.621	0.5	0.625	0.667	0.566	0.666
$olv^*_{Fa,\ 8bit}$	159	128	159	158	128	159	170	144	170
L^*, C^*_{ab}, h_{ab}	57.4	16.6	323.7	61.4	13.6	326.7	65.8	15.4	334.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−in:	9.0	9.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
447	0.625	0.5	0.75	300.0	39.4	107.1	300.2	53.9	−92.5	62.0	26.8	300.2	13.5	−23.0	0.25	0.25	b25r	c83v		0.0	0.173	1.0	0.5	0.543	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
447	0.625	0.5	0.75	300.0	49.6	110.3	315.4	78.5	−77.4	64.5	27.6	315.4	19.6	−19.3	0.25	0.25	b38r	v50m		0.767	0.0	1.0	0.692	0.5	0.75

3 Colours no. *j*=447

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.5	0.75	0.5	0.543	0.75	0.622	0.576	0.83
$rgb^*_{Fa,\ 8bit}$	159	128	191	128	139	191	159	147	212
L^*, C^*_{ab}, h_{ab}	58.0	27.3	310.3	62.0	26.8	300.2	64.4	27.8	306.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−it:	3.9	3.9	

3 Colours no. *j*=447

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.5	0.75	0.692	0.5	0.75	0.732	0.588	0.835
$olv^*_{Fa,\ 8bit}$	159	128	191	176	128	191	187	150	213
L^*, C^*_{ab}, h_{ab}	58.0	27.3	310.3	64.5	27.6	315.4	66.5	27.8	318.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	9.3	9.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
448	0.625	0.5	0.875	289.1	49.2	80.6	289.9	27.4	−75.7	68.4	30.2	289.9	10.3	−28.3	0.125	0.375	b16r	c62v		0.0	0.383	1.0	0.5	0.644	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
448	0.625	0.5	0.875	289.1	47.5	111.4	311.3	73.5	−83.7	67.7	41.8	311.3	27.5	−31.3	0.125	0.375	b34r	v32m		0.695	0.0	1.0	0.761	0.5	0.875

3 Colours no. *j*=448

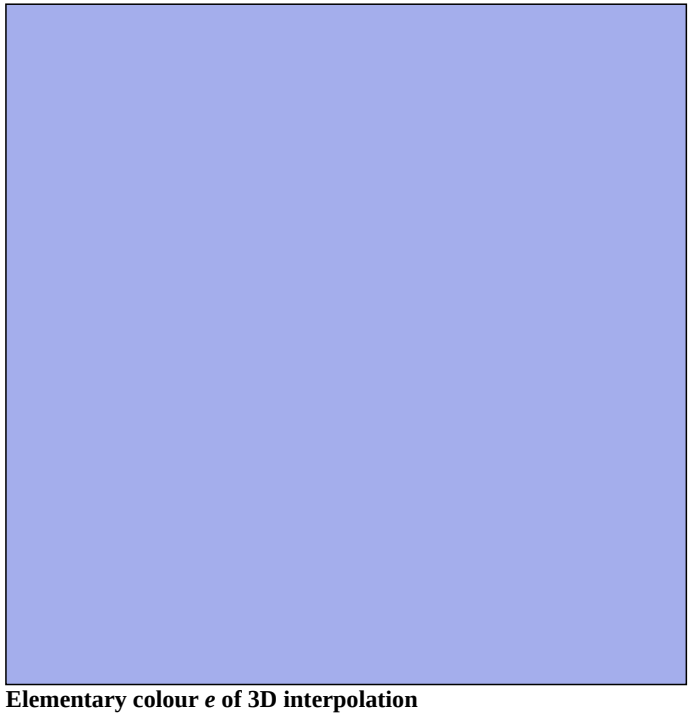
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	0.875	0.5	0.644	0.875	0.643	0.681	0.927
$rgb^*_{Fa,\ 8bit}$	159	128	223	128	164	223	164	174	236
L^*, C^*_{ab}, h_{ab}	58.9	40.0	305.1	68.4	30.2	289.9	74.2	27.3	304.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.4	16.4	3D−it:	9.8	9.8	

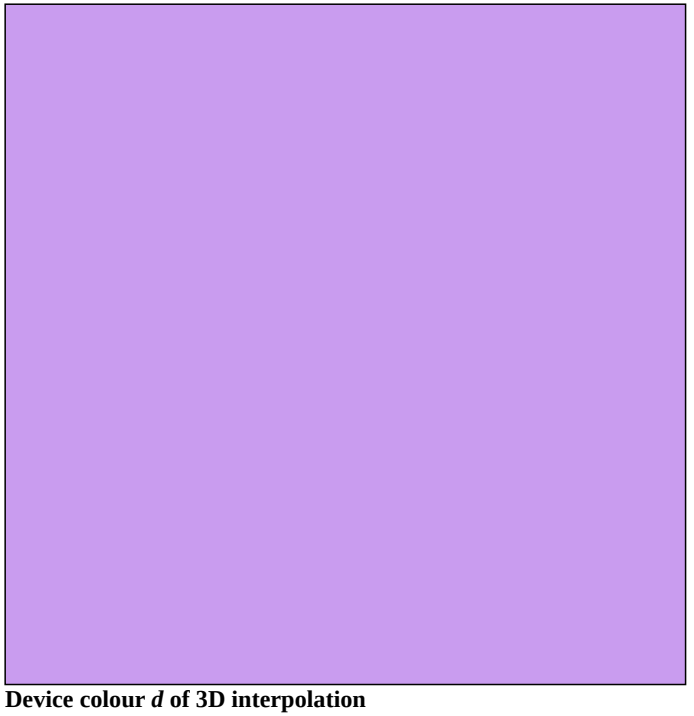
3 Colours no. *j*=448

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	0.875	0.761	0.5	0.875	0.79	0.61	0.937
$olv^*_{Fa,\ 8bit}$	159	128	223	194	128	223	202	156	239
L^*, C^*_{ab}, h_{ab}	58.9	40.0	305.1	67.7	41.8	311.3	74.1	42.1	317.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	17.6	17.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
449	0.625	0.5	1.0	283.9	52.8	72.7	284.9	18.7	−70.1	74.1	36.3	284.9	9.4	−35.0	0.0	0.5	b11r	c55v		0.0	0.455	1.0	0.5	0.727	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
449	0.625	0.5	1.0	283.9	46.5	112.0	309.3	70.9	−86.5	71.0	56.0	309.3	35.5	−43.2	0.0	0.5	b32r	v23m		0.66	0.0	1.0	0.83	0.5	1.0

3 Colours no. *j*=449

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	1.0	0.5	0.727	1.0	0.672	0.766	1.0
$rgb^*_{Fa,\ 8bit}$	159	128	255	128	185	255	171	195	255
L^*, C^*_{ab}, h_{ab}	61.2	65.3	301.6	74.1	36.3	284.9	75.8	34.6	287.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	34.7	34.7	3D−it:	2.9	2.9	

3 Colours no. *j*=449

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	1.0	0.83	0.5	1.0	0.853	0.624	1.0
$olv^*_{Fa,\ 8bit}$	159	128	255	212	128	255	218	159	255
L^*, C^*_{ab}, h_{ab}	61.2	65.3	301.6	71.0	56.0	309.3	71.1	53.5	312.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.7	15.7	3D−in:	19.0	19.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
450	0.625	0.625	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	58.9	56.1	92.3	−2.2	56.1	0.375	0.625	r99j	o88y		1.0	0.884	0.0	0.625	0.553	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
450	0.625	0.625	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	62.9	63.9	101.8	−13.0	62.5	0.375	0.625	j13g	o100y		0.864	1.0	0.0	0.54	0.625	0.0

3 Colours no. *j*=450

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.0	0.625	0.553	0.0	0.675	0.549	0.032
$rgb^*_{Fa,\ 8bit}$	159	159	0	159	141	0	172	140	8
L^*, C^*_{ab}, h_{ab}	61.6	62.9	103.4	58.9	56.1	92.3	62.3	58.0	91.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−it:	3.9	3.9	

3 Colours no. *j*=450

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.0	0.54	0.625	0.0	0.655	0.639	0.007
$olv^*_{Fa,\ 8bit}$	159	159	0	138	159	0	167	163	2
L^*, C^*_{ab}, h_{ab}	61.6	62.9	103.4	62.9	63.9	101.8	64.3	64.9	100.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.4	2.4	3D−in:	4.9	4.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
451	0.625	0.625	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	60.4	44.9	92.3	−1.7	44.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
451	0.625	0.625	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	63.6	51.1	101.8	−10.3	50.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.5	r99j	o88y		1.0	0.884	0.0	0.625	0.567	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.5	j13g	o100y		0.864	1.0	0.0	0.557	0.625	0.125

3 Colours no. *j*=451

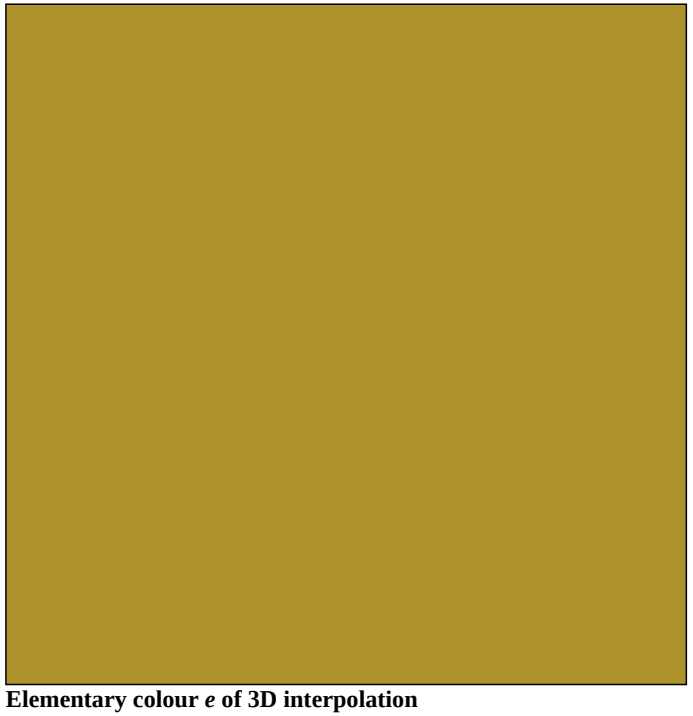
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.125	0.625	0.567	0.125	0.682	0.572	0.171
$rgb^*_{Fa,\ 8bit}$	159	159	32	159	145	32	174	146	44
L^*, C^*_{ab}, h_{ab}	61.7	54.0	104.1	60.4	44.9	92.3	65.1	45.1	91.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.7	13.7	3D−it:	4.7	4.7

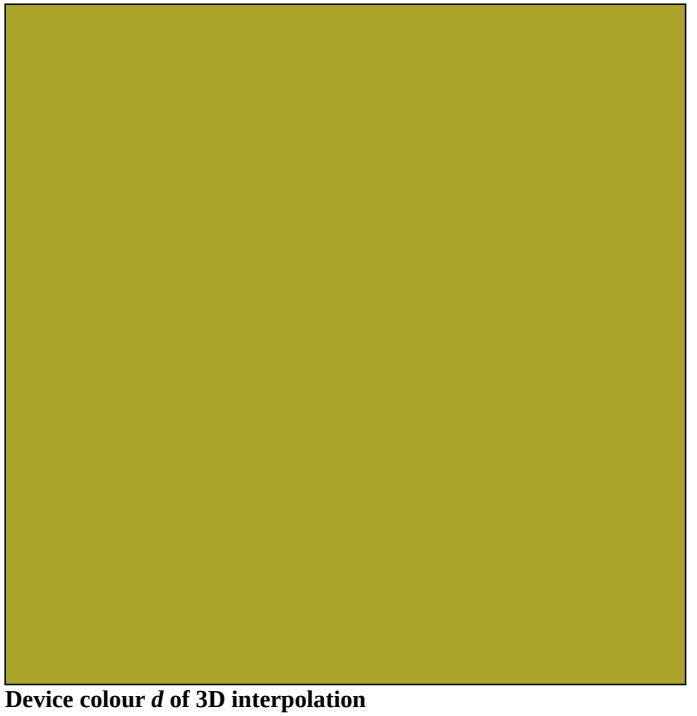
3 Colours no. *j*=451

output of the device colour *d*:

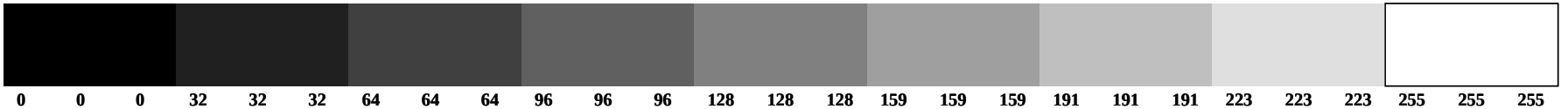
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.125	0.557	0.625	0.125	0.665	0.644	0.163
$olv^*_{Fa,\ 8bit}$	159	159	32	142	159	32	170	164	42
L^*, C^*_{ab}, h_{ab}	61.7	54.0	104.1	63.6	51.1	101.8	65.5	52.9	98.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.1	4.1	3D−in:	6.7	6.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
452	0.625	0.625	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	61.9	33.7	92.3	−1.2	33.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
452	0.625	0.625	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	64.3	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.375	r99j	o88y		1.0	0.884	0.0	0.625	0.582	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.375	j13g	o100y		0.864	1.0	0.0	0.574	0.625	0.25

3 Colours no. *j*=452

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.25	0.625	0.582	0.25	0.687	0.596	0.273
$rgb^*_{Fa,\ 8bit}$	159	159	64	159	148	64	175	152	70
L^*, C^*_{ab}, h_{ab}	62.0	37.4	105.4	61.9	33.7	92.3	64.2	39.6	89.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.9	8.9	3D−it:	6.7	6.7

3 Colours no. *j*=452

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.25	0.574	0.625	0.25	0.673	0.65	0.268
$olv^*_{Fa,\ 8bit}$	159	159	64	146	159	64	172	166	68
L^*, C^*_{ab}, h_{ab}	62.0	37.4	105.4	64.3	38.3	101.8	66.6	39.4	98.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.5	3.5	3D−in:	6.9	6.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
453	0.625	0.625	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	63.3	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
453	0.625	0.625	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	64.9	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.25	r99j	o88y		1.0	0.884	0.0	0.625	0.596	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.25	j13g	o100y		0.865	1.0	0.0	0.591	0.625	0.375

3 Colours no. *j*=453

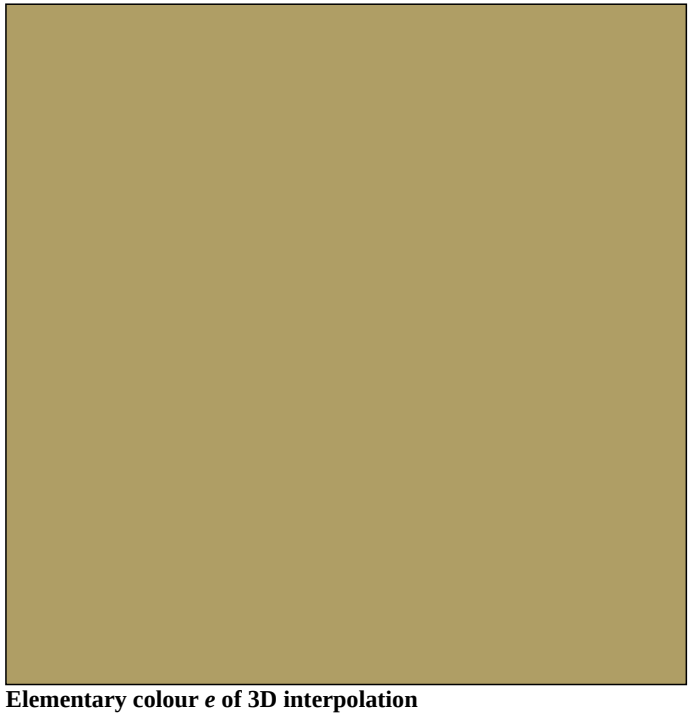
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.375	0.625	0.596	0.375	0.685	0.621	0.395
$rgb^*_{Fa,\ 8bit}$	159	159	96	159	152	96	175	158	101
L^*, C^*_{ab}, h_{ab}	62.3	23.5	106.3	63.3	22.4	92.3	64.5	26.5	82.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.8	5.8	3D−it:	6.0	6.0

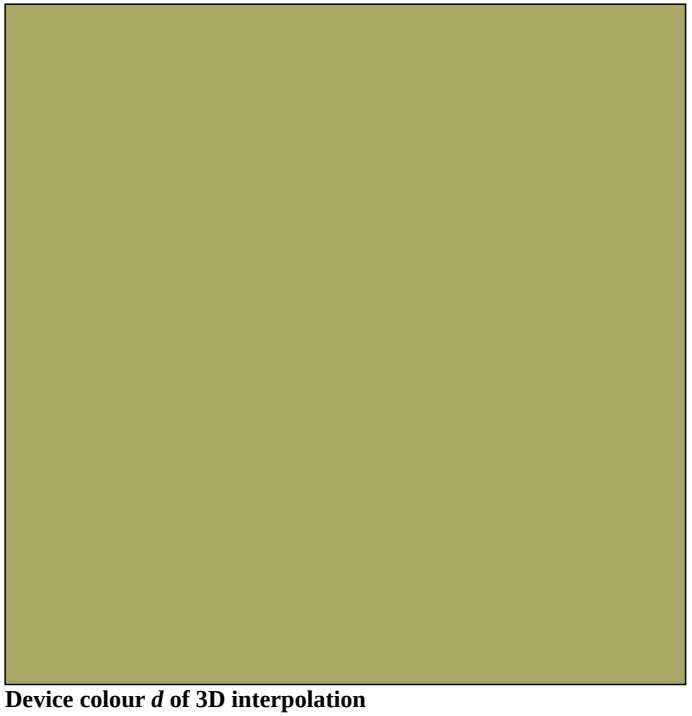
3 Colours no. *j*=453

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.375	0.591	0.625	0.375	0.666	0.659	0.399
$olv^*_{Fa,\ 8bit}$	159	159	96	151	159	96	170	168	102
L^*, C^*_{ab}, h_{ab}	62.3	23.5	106.3	64.9	25.6	101.8	67.6	27.7	97.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.8	3.8	3D−in:	7.7	7.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
454	0.625	0.625	0.5	90.0	83.7	89.7	92.3	−3.4	89.7	64.8	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
454	0.625	0.625	0.5	90.0	90.1	102.2	101.8	−20.7	100.1	65.6	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.125	r99j	o88y		1.0	0.884	0.0	0.625	0.61	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.125	j13g	o100y		0.865	1.0	0.0	0.608	0.625	0.5

3 Colours no. *j*=454

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.5	0.625	0.61	0.5	0.653	0.651	0.54
$rgb^*_{Fa,\ 8bit}$	159	159	128	159	156	128	166	166	138
L^*, C^*_{ab}, h_{ab}	62.7	10.7	106.1	64.8	11.2	92.3	66.9	12.3	80.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.4	3.4	

3 Colours no. *j*=454

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.5	0.608	0.625	0.5	0.644	0.67	0.542
$olv^*_{Fa,\ 8bit}$	159	159	128	155	159	128	164	171	138
L^*, C^*_{ab}, h_{ab}	62.7	10.7	106.1	65.6	12.8	101.8	68.5	14.9	98.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	7.3	7.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
455	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
455	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=455

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.1	1.3	318.2	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.4	3.4	

3 Colours no. *j*=455

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.1	1.3	318.2	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	6.5	6.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
456	0.625	0.625	0.75	270.0	60.4	57.4	271.8	1.8	−57.2	71.6	7.2	271.8	0.2	−7.1	0.25	0.125	b00r	c39v		0.0	0.613	1.0	0.625	0.702	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
456	0.625	0.625	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	69.6	14.2	304.1	7.9	−11.6	0.25	0.125	b28r	v00m		0.569	0.0	1.0	0.696	0.625	0.75

3 Colours no. *j*=456

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.75	0.625	0.702	0.75	0.7	0.751	0.826
$rgb^*_{Fa,\ 8bit}$	159	159	191	159	179	191	178	191	211
L^*, C^*_{ab}, h_{ab}	63.7	13.0	293.8	71.6	7.2	271.8	72.5	6.5	326.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−it:	6.4	6.4	

3 Colours no. *j*=456

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.75	0.696	0.625	0.75	0.726	0.699	0.839
$olv^*_{Fa,\ 8bit}$	159	159	191	178	159	191	185	178	214
L^*, C^*_{ab}, h_{ab}	63.7	13.0	293.8	69.6	14.2	304.1	72.5	15.0	314.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−in:	10.3	10.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
457	0.625	0.625	0.875	270.0	60.4	57.3	271.8	1.8	−57.2	76.9	14.3	271.8	0.4	−14.2	0.125	0.25	b00r	c39v		0.0	0.613	1.0	0.625	0.778	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
457	0.625	0.625	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	72.9	28.3	304.1	15.9	−23.4	0.125	0.25	b28r	v00m		0.569	0.0	1.0	0.767	0.625	0.875

3 Colours no. *j*=457

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.875	0.625	0.778	0.875	0.734	0.82	0.926
$rgb^*_{Fa,\ 8bit}$	159	159	223	159	198	223	187	209	236
L^*, C^*_{ab}, h_{ab}	64.4	26.1	293.7	76.9	14.3	271.8	81.4	12.1	296.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.7	18.7	3D−it:	7.6	7.6	

3 Colours no. *j*=457

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.875	0.767	0.625	0.875	0.79	0.724	0.938
$olv^*_{Fa,\ 8bit}$	159	159	223	196	159	223	201	185	239
L^*, C^*_{ab}, h_{ab}	64.4	26.1	293.7	72.9	28.3	304.1	76.3	28.3	325.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	19.1	19.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
458	0.625	0.625	1.0	270.0	60.4	57.3	271.8	1.8	−57.2	82.3	21.5	271.8	0.7	−21.4	0.0	0.375	b00r	c39v		0.0	0.613	1.0	0.625	0.855	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
458	0.625	0.625	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	76.2	42.5	304.1	23.8	−35.1	0.0	0.375	b28r	v00m		0.569	0.0	1.0	0.838	0.625	1.0

3 Colours no. *j*=458

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.625	1.0	0.625	0.855	1.0	0.77	0.885	1.0
$rgb^*_{Fa,\ 8bit}$	159	159	255	159	218	255	196	226	255
L^*, C^*_{ab}, h_{ab}	66.4	51.9	294.8	82.3	21.5	271.8	83.5	19.9	272.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.8	36.8	3D−it:	2.0	2.0	

3 Colours no. *j*=458

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.625	1.0	0.838	0.625	1.0	0.857	0.747	1.0
$olv^*_{Fa,\ 8bit}$	159	159	255	214	159	255	219	191	255
L^*, C^*_{ab}, h_{ab}	66.4	51.9	294.8	76.2	42.5	304.1	76.3	39.2	308.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.5	15.5	3D−in:	19.3	19.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
459	0.625	0.75	0.0	98.9	92.7	102.0	102.7	−22.4	99.5	73.9	76.5	102.7	−16.8	74.6	0.25	0.75	j15g	y01l		0.986	1.0	0.0	0.74	0.75	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
459	0.625	0.75	0.0	98.9	89.3	103.1	106.4	−29.0	98.9	71.4	77.3	106.4	−21.7	74.2	0.25	0.75	j20g	y15l		0.799	1.0	0.0	0.599	0.75	0.0

3 Colours no. *j*=459

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.0	0.74	0.75	0.0	0.789	0.8	0.03
$rgb^*_{Fa,\ 8bit}$	159	191	0	189	191	0	201	204	8
L^*, C^*_{ab}, h_{ab}	68.2	73.8	110.8	73.9	76.5	102.7	77.7	78.8	101.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−it:	4.9	4.9	

3 Colours no. *j*=459

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.0	0.599	0.75	0.0	0.712	0.779	0.0
$olv^*_{Fa,\ 8bit}$	159	191	0	153	191	0	182	199	0
L^*, C^*_{ab}, h_{ab}	68.2	73.8	110.8	71.4	77.3	106.4	77.8	76.8	102.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−in:	15.1	15.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
460	0.625	0.75	0.125	100.9	91.9	102.0	105.0	−26.3	98.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
460	0.625	0.75	0.125	100.9	89.1	103.3	107.4	−30.7	98.6

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$									
73.8	63.8	105.0	−16.4	61.6					
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$									
72.0	64.5	107.4	−19.2	61.6					

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.625	j18g	y05l		0.953	1.0	0.0	0.72	0.75	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.625	j21g	y18l		0.785	1.0	0.0	0.615	0.75	0.125

3 Colours no. *j*=460

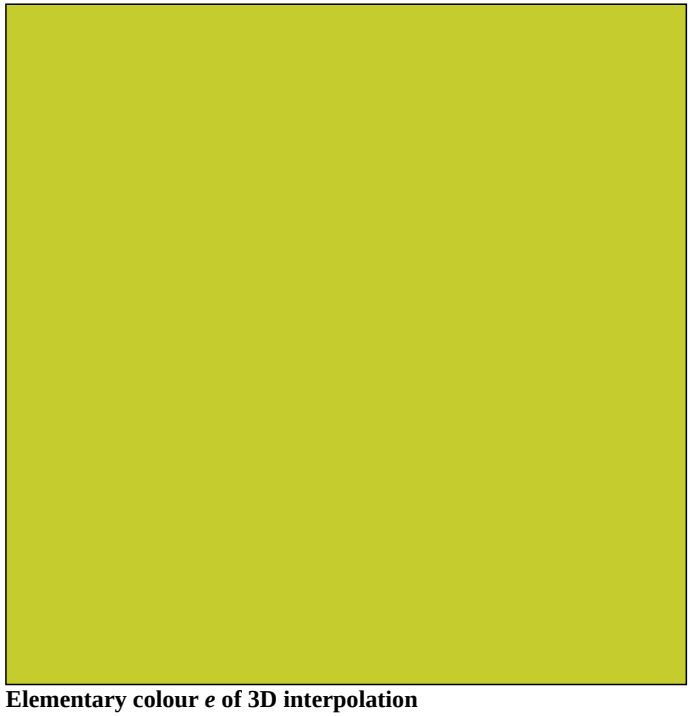
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.125	0.72	0.75	0.125	0.772	0.8	0.181
$rgb^*_{Fa,\ 8bit}$	159	191	32	184	191	32	197	204	46
L^*, C^*_{ab}, h_{ab}	68.3	65.8	112.3	73.8	63.8	105.0	77.4	65.4	102.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−it:	4.8	4.8	

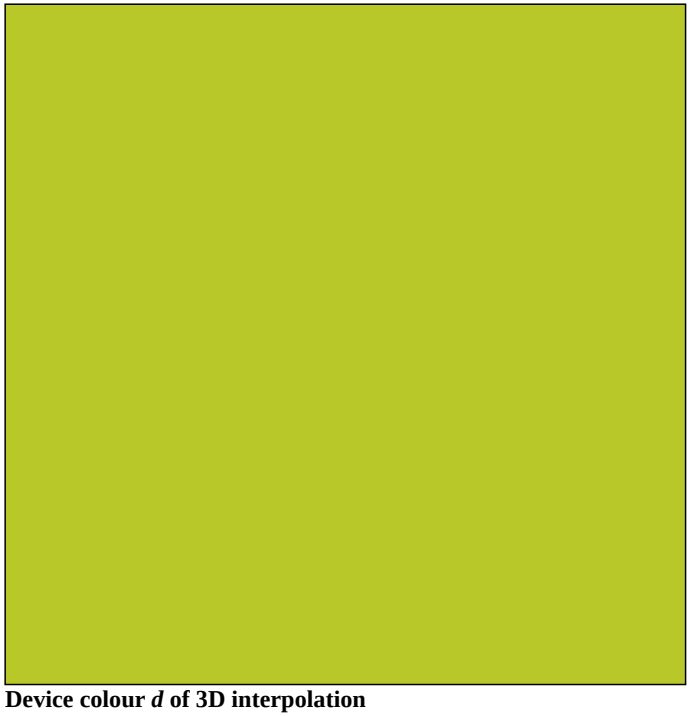
3 Colours no. *j*=460

output of the device colour *d*:

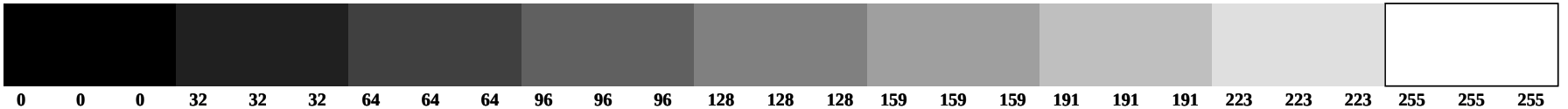
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.125	0.615	0.75	0.125	0.725	0.784	0.161
$olv^*_{Fa,\ 8bit}$	159	191	32	157	191	32	185	200	41
L^*, C^*_{ab}, h_{ab}	68.3	65.8	112.3	72.0	64.5	107.4	73.8	65.4	102.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	12.4	12.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
461	0.625	0.75	0.25	103.9	90.8	102.1	108.5	−32.3	96.8	73.7	51.0	108.5	−16.1	48.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
461	0.625	0.75	0.25	103.9	88.8	103.6	108.9	−33.5	98.0	72.7	51.8	108.9	−16.7	49.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.5	j23g	y10l		0.9	1.0	0.0	0.7	0.75	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.5	j24g	y23l		0.763	1.0	0.0	0.631	0.75	0.25

3 Colours no. *j*=461

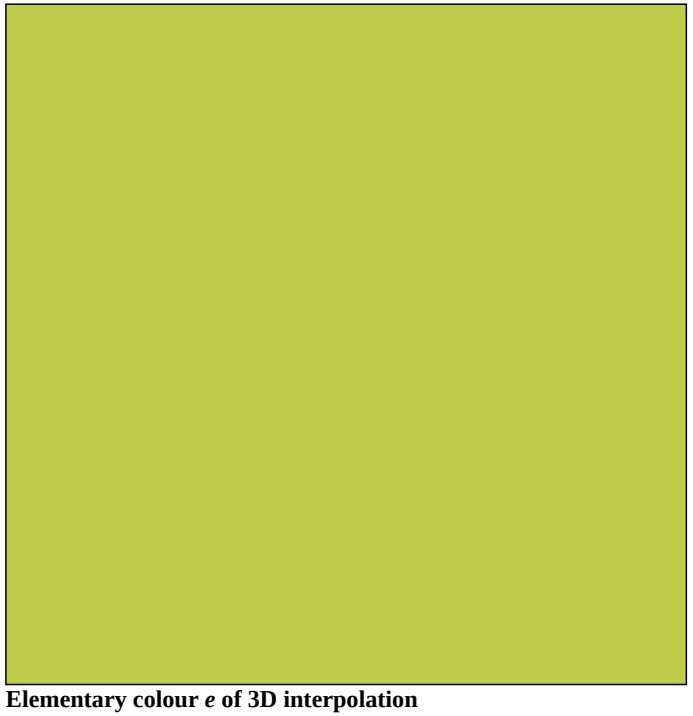
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.25	0.7	0.75	0.25	0.752	0.8	0.293
$rgb^*_{Fa,\ 8bit}$	159	191	64	179	191	64	192	204	75
L^*, C^*_{ab}, h_{ab}	68.6	50.3	115.9	73.7	51.0	108.5	76.9	49.8	103.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−it:	5.5	5.5	

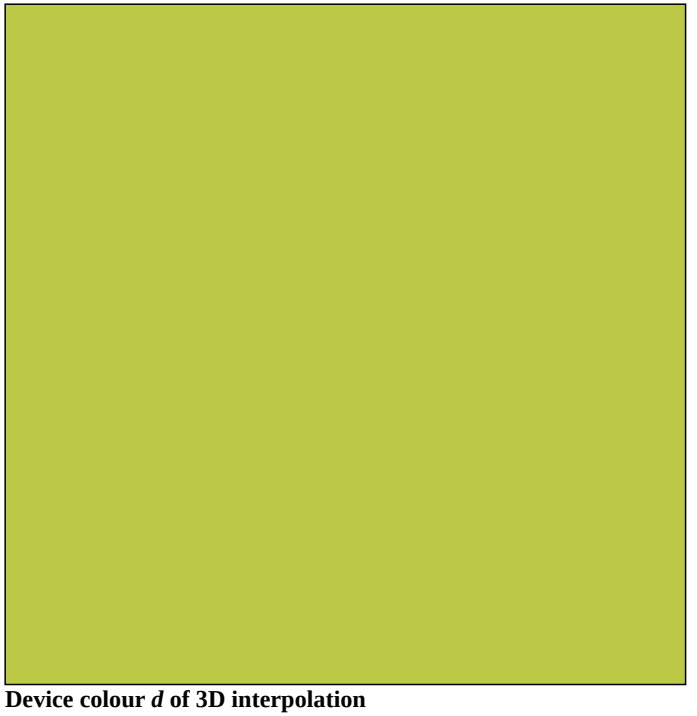
3 Colours no. *j*=461

output of the device colour *d*:

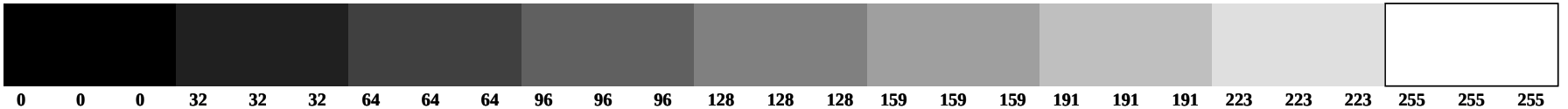
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.25	0.631	0.75	0.25	0.734	0.789	0.274
$olv^*_{Fa,\ 8bit}$	159	191	64	161	191	64	187	201	70
L^*, C^*_{ab}, h_{ab}	68.6	50.3	115.9	72.7	51.8	108.9	74.9	50.9	103.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−in:	12.8	12.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
462	0.625	0.75	0.375	109.1	89.1	103.3	114.6	−42.8	94.0	73.6	38.7	114.6	−16.0	35.2	0.25	0.375	j31g	y22l		0.78	1.0	0.0	0.667	0.75	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
462	0.625	0.75	0.375	109.1	88.4	104.2	111.6	−38.2	96.9	73.4	39.1	111.6	−14.3	36.4	0.25	0.375	j27g	y32l		0.725	1.0	0.0	0.647	0.75	0.375

3 Colours no. *j*=462

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.375	0.667	0.75	0.375	0.662	0.814	0.453
$rgb^*_{Fa,\ 8bit}$	159	191	96	170	191	96	169	208	115
L^*, C^*_{ab}, h_{ab}	68.9	37.5	120.5	73.6	38.7	114.6	78.4	38.3	109.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	6.0	6.0	

3 Colours no. *j*=462

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.375	0.647	0.75	0.375	0.67	0.809	0.444
$olv^*_{Fa,\ 8bit}$	159	191	96	165	191	96	171	206	113
L^*, C^*_{ab}, h_{ab}	68.9	37.5	120.5	73.4	39.1	111.6	78.4	39.4	103.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−in:	15.0	15.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
463	0.625	0.75	0.5	120.0	85.7	111.8	127.2	−67.5	89.0	73.6	27.9	127.2	−16.8	22.2	0.25	0.25	j49g	y61l		0.386	1.0	0.0	0.596	0.75	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
463	0.625	0.75	0.5	120.0	87.6	105.9	117.1	−48.2	94.2	74.0	26.5	117.1	−12.0	23.5	0.25	0.25	j35g	y50l		0.645	1.0	0.0	0.661	0.75	0.5

3 Colours no. *j*=463

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.5	0.596	0.75	0.5	0.644	0.813	0.566
$rgb^*_{Fa,\ 8bit}$	159	191	128	152	191	128	164	207	144
L^*, C^*_{ab}, h_{ab}	69.2	25.4	127.4	73.6	27.9	127.2	78.6	28.7	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−it:	5.2	5.2	

3 Colours no. *j*=463

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.5	0.661	0.75	0.5	0.677	0.813	0.577
$olv^*_{Fa,\ 8bit}$	159	191	128	169	191	128	173	207	147
L^*, C^*_{ab}, h_{ab}	69.2	25.4	127.4	74.0	26.5	117.1	78.6	24.9	107.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	12.7	12.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
464	0.625	0.75	0.625	150.0	85.7	63.5	162.2	−60.4	19.4	74.8	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
464	0.625	0.75	0.625	150.0	86.0	110.8	132.5	−74.7	81.7	74.8	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.125	j99g	l77c		0.0	1.0	0.774	0.625	0.75	0.722
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.125	j57g	y100l		0.425	1.0	0.0	0.678	0.75	0.625

3 Colours no. *j*=464

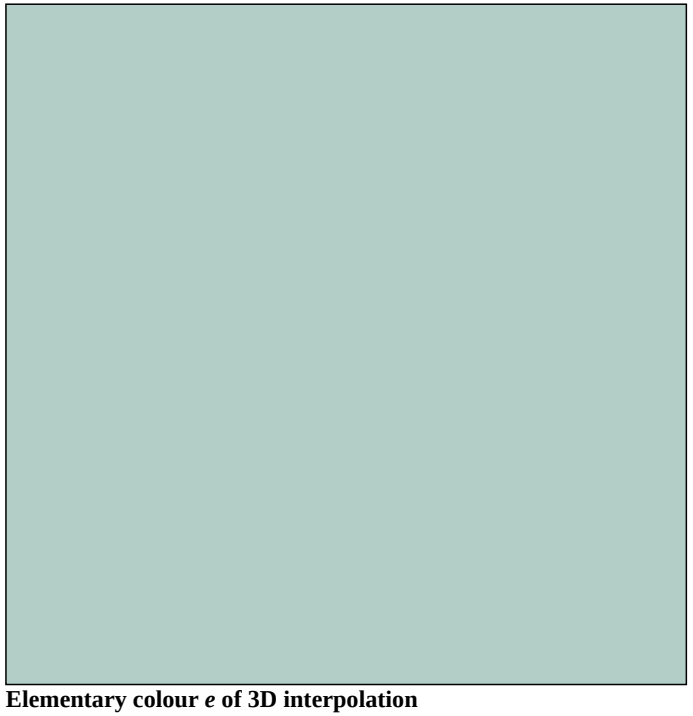
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.625	0.625	0.75	0.722	0.703	0.807	0.781
$rgb^*_{Fa,\ 8bit}$	159	191	159	159	191	184	179	206	199
L^*, C^*_{ab}, h_{ab}	69.6	14.9	142.5	74.8	7.9	162.2	79.7	7.6	145.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.5	9.5	3D−it:	5.4	5.4

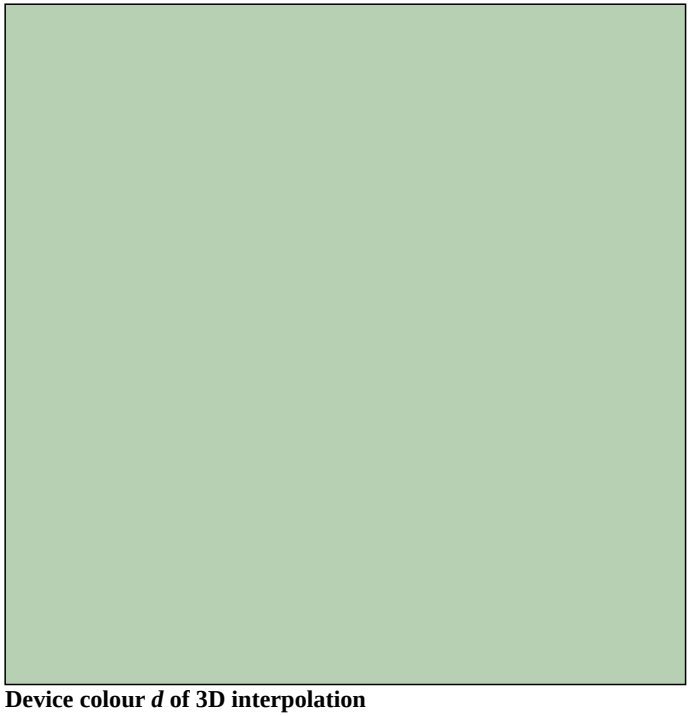
3 Colours no. *j*=464

output of the device colour *d*:

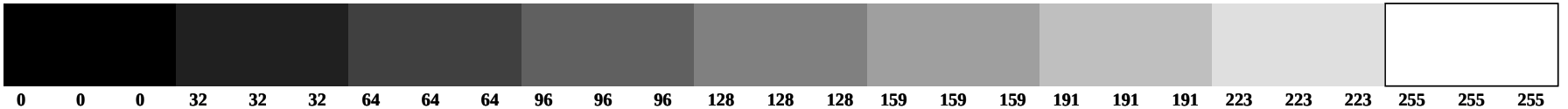
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.625	0.678	0.75	0.625	0.718	0.81	0.702
$olv^*_{Fa,\ 8bit}$	159	191	159	173	191	159	183	207	179
L^*, C^*_{ab}, h_{ab}	69.6	14.9	142.5	74.8	13.8	132.5	79.1	13.8	113.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.9	5.9	3D−in:	12.0	12.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
465	0.625	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	74.1	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
465	0.625	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.9	74.7	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.125	g50b	c08v		0.0	0.925	1.0	0.625	0.741	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.125	g31b	c00v		0.0	1.0	0.63	0.625	0.75	0.704

3 Colours no. *j*=465

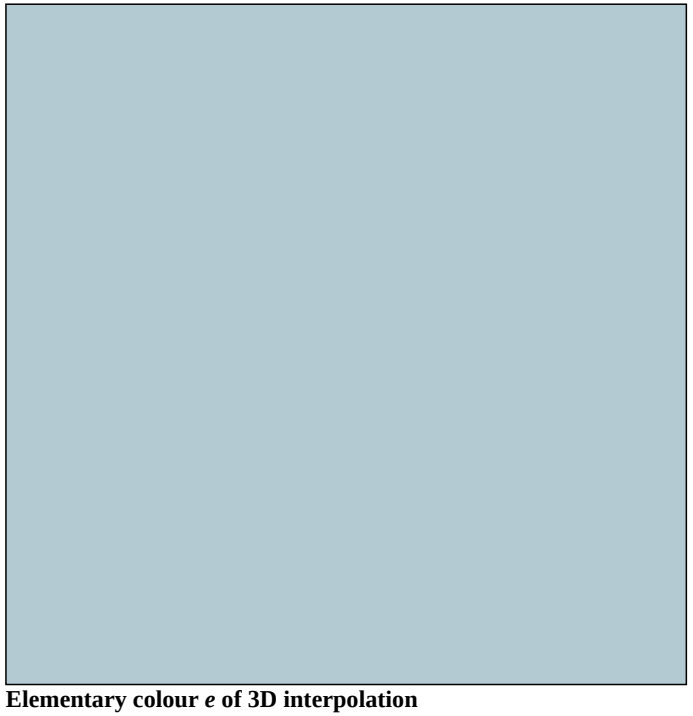
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.75	0.625	0.741	0.75	0.701	0.793	0.826
$rgb^*_{Fa,\ 8bit}$	159	191	191	159	189	191	179	202	211
L^*, C^*_{ab}, h_{ab}	70.0	7.9	192.9	74.1	5.5	217.0	76.3	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−it:	7.3	7.3	

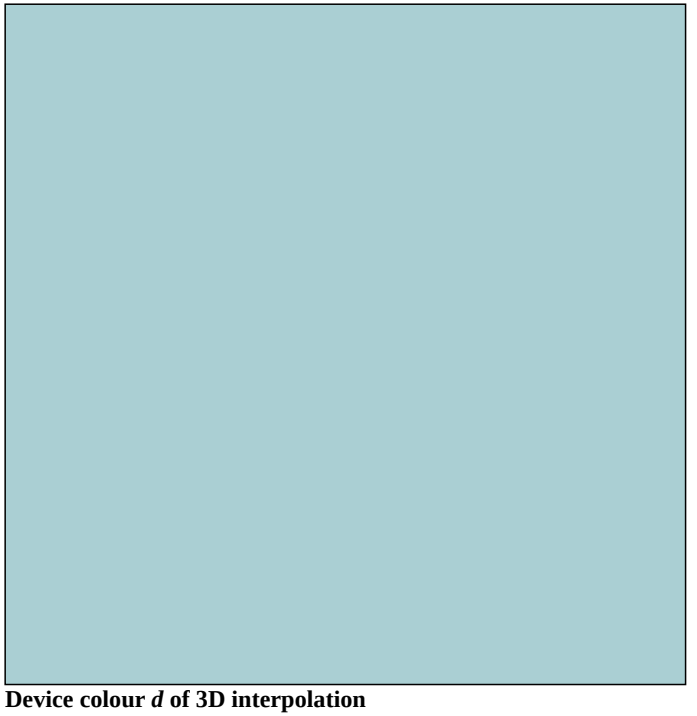
3 Colours no. *j*=465

output of the device colour *d*:

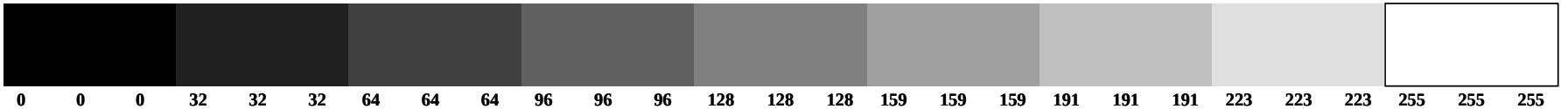
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.75	0.625	0.75	0.704	0.666	0.811	0.828
$olv^*_{Fa,\ 8bit}$	159	191	191	159	191	179	170	207	211
L^*, C^*_{ab}, h_{ab}	70.0	7.9	192.9	74.7	9.1	196.7	79.4	7.9	192.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−in:	9.4	9.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
466	0.625	0.75	0.875	240.0	71.1	44.7	244.4	−19.2	−40.3	79.6	11.2	244.4	−4.7	−10.0	0.125	0.25	g75b	c20v		0.0	0.802	1.0	0.625	0.826	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
466	0.625	0.75	0.875	240.0	49.5	79.9	250.4	−26.7	−75.2	74.2	20.0	250.4	−6.6	−18.7	0.125	0.25	g80b	c50v		0.0	0.389	1.0	0.625	0.722	0.875

3 Colours no. *j*=466

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.875	0.625	0.826	0.875	0.734	0.866	0.926
$rgb^*_{Fa,\ 8bit}$	159	191	223	159	211	223	187	221	236
L^*, C^*_{ab}, h_{ab}	70.7	14.1	259.2	79.6	11.2	244.4	88.5	6.8	247.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.9	9.9	3D−it:	9.9	9.9

3 Colours no. *j*=466

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.875	0.625	0.722	0.875	0.584	0.805	0.925
$olv^*_{Fa,\ 8bit}$	159	191	223	159	184	223	149	205	236
L^*, C^*_{ab}, h_{ab}	70.7	14.1	259.2	74.2	20.0	250.4	77.8	14.1	259.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.3	7.3	3D−in:	7.1	7.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
467	0.625	0.75	1.0	250.9	67.8	46.9	254.3	−12.6	−45.0	85.0	17.6	254.3	−4.7	−16.8	0.0	0.375	g83b	c25v		0.0	0.75	1.0	0.625	0.906	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
467	0.625	0.75	1.0	250.9	35.4	119.0	269.9	−0.1	−118.9	72.9	44.6	269.9	0.0	−44.5	0.0	0.375	g97b	c68v		0.0	0.033	1.0	0.625	0.638	1.0

3 Colours no. *j*=467

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.75	1.0	0.625	0.906	1.0	0.769	0.919	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	191	255	159	231	255	196	234	255
L^*, C^*_{ab}, h_{ab}	72.4	38.2	282.7	85.0	17.6	254.3	89.0	10.8	274.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	27.3	27.3	3D−it:	9.2	9.2

3 Colours no. *j*=467

output of the device colour *d*:

rgb input (in):									
	0.625	0.75	1.0	0.625	0.638	1.0	0.449	0.749	1.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	191	255	159	163	255	114	191	255
L^*, C^*_{ab}, h_{ab}	72.4	38.2	282.7	72.9	44.6	269.9	74.7	39.7	273.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.2	11.2	3D−in:	6.9	6.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 468/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
468	0.625	0.875	0.0	106.1	90.0	102.3	111.1	−36.7	95.5	81.0	89.5	111.1	−32.1	83.5	0.125	0.875	j27g	y14l		0.856	1.0	0.0	0.749	0.875	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
468	0.625	0.875	0.0	106.1	88.6	103.8	110.0	−35.5	97.5	79.8	90.8	110.0	−31.0	85.3	0.125	0.875	j25g	y27l		0.746	1.0	0.0	0.653	0.875	0.0

3 Colours no. *j*=468

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.875	0.0	0.749	0.875	0.0	0.761	0.91	0.016
$rgb^*_{Fa,\ 8bit}$	159	223	0	191	223	0	194	232	4
L^*, C^*_{ab}, h_{ab}	76.1	87.1	116.3	81.0	89.5	111.1	84.3	91.1	108.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	5.8	5.8	

3 Colours no. *j*=468

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.875	0.0	0.653	0.875	0.0	0.758	0.897	0.0
$olv^*_{Fa,\ 8bit}$	159	223	0	167	223	0	193	229	0
L^*, C^*_{ab}, h_{ab}	76.1	87.1	116.3	79.8	90.8	110.0	81.9	94.5	107.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−in:	16.7	16.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
469	0.625	0.875	0.125	109.1	89.1	103.3	114.6	−42.9	94.0	80.9	77.5	114.6	−32.1	70.5	0.125	0.75	j32g	y22l		0.78	1.0	0.0	0.71	0.875	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
469	0.625	0.875	0.125	109.1	88.4	104.2	111.6	−38.2	96.9	80.5	78.2	111.6	−28.7	72.7	0.125	0.75	j27g	y32l		0.724	1.0	0.0	0.668	0.875	0.125

3 Colours no. *j*=469

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.875	0.125	0.71	0.875	0.125	0.737	0.911	0.183
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	223	32	181	223	32	188	232	47
L^*, C^*_{ab}, h_{ab}	76.1	80.0	117.8	80.9	77.5	114.6	84.1	78.2	110.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.0	7.0	3D−it:	6.4	6.4

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
	0.625	0.875	0.125	0.668	0.875	0.125	0.769	0.901	0.16
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	223	32	170	223	32	196	230	41
L^*, C^*_{ab}, h_{ab}	76.1	80.0	117.8	80.5	78.2	111.6	83.1	78.2	110.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.8	9.8	3D−in:	12.4	12.4

3 Colours no. *j*=469

output of the device colour *d*:

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
470	0.625	0.875	0.25	113.4	87.7	105.7	119.6	−52.1	91.9	80.9	66.1	119.6	−32.5	57.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
470	0.625	0.875	0.25	113.4	88.1	104.9	113.8	−42.2	96.0	81.1	65.6	113.8	−26.3	60.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.625	j39g	y35l		0.653	1.0	0.0	0.658	0.875	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.625	j30g	y39l		0.693	1.0	0.0	0.683	0.875	0.25

3 Colours no. *j*=470

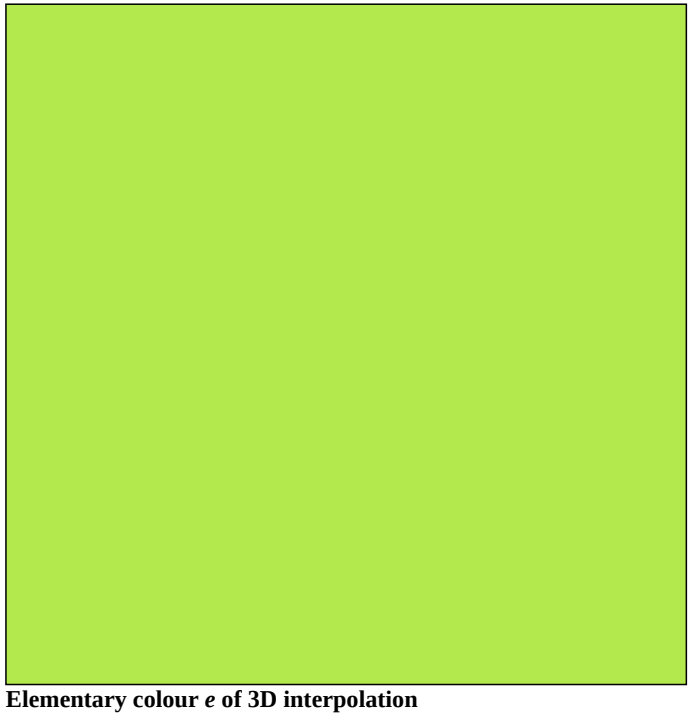
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.875	0.25	0.658	0.875	0.25	0.705	0.913	0.301
$rgb^*_{Fa,\ 8bit}$	159	223	64	168	223	64	180	233	77
L^*, C^*_{ab}, h_{ab}	76.3	65.9	121.8	80.9	66.1	119.6	85.4	66.3	117.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	5.2	5.2	

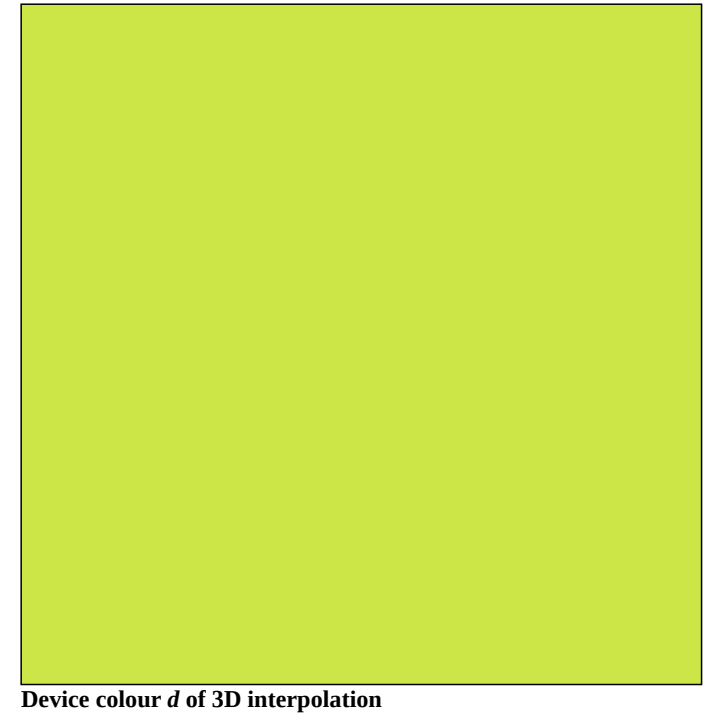
3 Colours no. *j*=470

output of the device colour *d*:

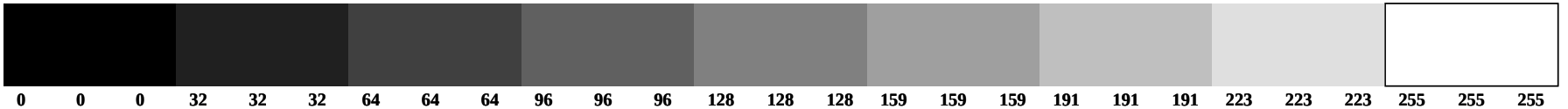
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.875	0.25	0.683	0.875	0.25	0.796	0.902	0.273
$olv^*_{Fa,\ 8bit}$	159	223	64	174	223	64	203	230	70
L^*, C^*_{ab}, h_{ab}	76.3	65.9	121.8	81.1	65.6	113.8	84.3	66.3	112.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−in:	13.6	13.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
471	0.625	0.875	0.375	120.0	85.7	111.8	127.3	−67.6	89.0	80.9	55.9	127.3	−33.7	44.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
471	0.625	0.875	0.375	120.0	87.6	105.9	117.1	−48.2	94.2	81.8	52.9	117.1	−24.0	47.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.5	j49g	y61l		0.385	1.0	0.0	0.568	0.875	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.5	j35g	y50l		0.645	1.0	0.0	0.697	0.875	0.375

3 Colours no. *j*=471

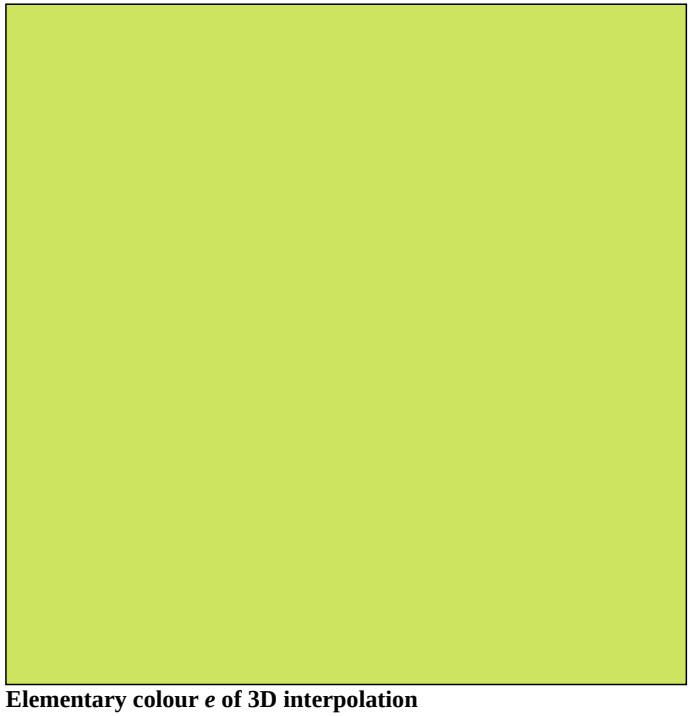
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.875	0.375	0.568	0.875	0.375	0.805	0.896	0.368
$rgb^*_{Fa,\ 8bit}$	159	223	96	145	223	96	205	228	94
L^*, C^*_{ab}, h_{ab}	76.6	54.0	126.2	80.9	55.9	127.3	85.1	55.5	125.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−it:	4.8	4.8	

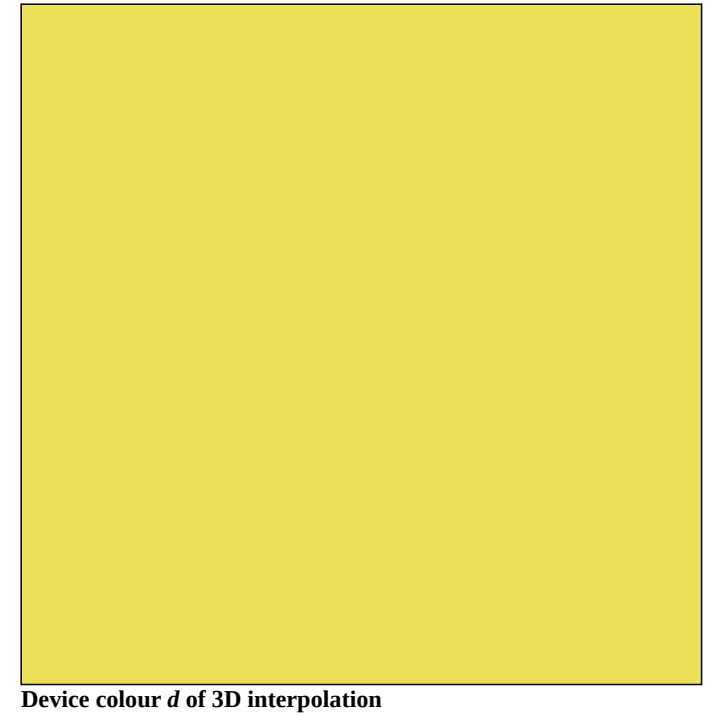
3 Colours no. *j*=471

output of the device colour *d*:

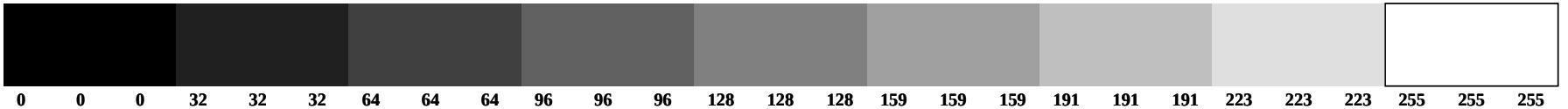
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.875	0.375	0.697	0.875	0.375	0.922	0.88	0.343
$olv^*_{Fa,\ 8bit}$	159	223	96	178	223	96	235	224	87
L^*, C^*_{ab}, h_{ab}	76.6	54.0	126.2	81.8	52.9	117.1	85.4	53.0	115.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	13.6	13.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 472/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
472	0.625	0.875	0.5	130.9	84.6	98.1	139.9	−75.0	63.1	81.7	36.8	139.9	−28.1	23.7	0.125	0.375	j67g	l29c		0.0	1.0	0.285	0.5	0.875	0.607
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
472	0.625	0.875	0.5	130.9	87.0	107.6	122.7	−58.0	90.5	82.5	40.3	122.7	−21.7	33.9	0.125	0.375	j43g	y68l		0.565	1.0	0.0	0.712	0.875	0.5

3 Colours no. *j*=472

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.875	0.5	0.5	0.875	0.607	0.654	0.92	0.668
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	223	128	128	223	155	167	234	170
L^*, C^*_{ab}, h_{ab}	76.9	42.6	132.1	81.7	36.8	139.9	86.1	36.6	133.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−it:	6.0	6.0	

3 Colours no. *j*=472

output of the device colour *d*:

rgb input (in):									
	0.625	0.875	0.5	0.712	0.875	0.5	0.774	0.916	0.573
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	223	128	182	223	128	197	234	146
L^*, C^*_{ab}, h_{ab}	76.9	42.6	132.1	82.5	40.3	122.7	86.6	39.6	119.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−in:	13.5	13.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
473	0.625	0.875	0.625	150.0	85.7	63.5	162.2	−60.4	19.4	83.3	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
473	0.625	0.875	0.625	150.0	86.0	110.8	132.5	−74.7	81.7	83.3	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.25	j99g	l77c		0.0	1.0	0.774	0.625	0.875	0.819
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.25	j57g	y100l		0.425	1.0	0.0	0.731	0.875	0.625

3 Colours no. *j*=473

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.875	0.625	0.625	0.875	0.819	0.743	0.917	0.881
$rgb^*_{Fa,\ 8bit}$	159	223	159	159	223	209	189	234	225
L^*, C^*_{ab}, h_{ab}	77.2	32.8	140.5	83.3	15.9	162.2	86.9	12.7	134.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	19.9	19.9	3D−it:	8.4	8.4

3 Colours no. *j*=473

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.875	0.625	0.731	0.875	0.625	0.77	0.921	0.735
$olv^*_{Fa,\ 8bit}$	159	223	159	186	223	159	196	235	187
L^*, C^*_{ab}, h_{ab}	77.2	32.8	140.5	83.3	27.7	132.5	88.1	28.7	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.0	9.0	3D−in:	14.2	14.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
474	0.625	0.875	0.75	180.0	87.0	49.2	189.6	−48.4	−8.1	83.6	12.3	189.6	−12.0	−2.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
474	0.625	0.875	0.75	180.0	84.4	116.1	164.6	−111.8	30.8	82.9	29.0	164.6	−27.9	7.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.25	g25b	l97c		0.0	1.0	0.967	0.625	0.875	0.867
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.25	g02b	l50c		0.0	1.0	0.043	0.625	0.875	0.636

3 Colours no. *j*=474

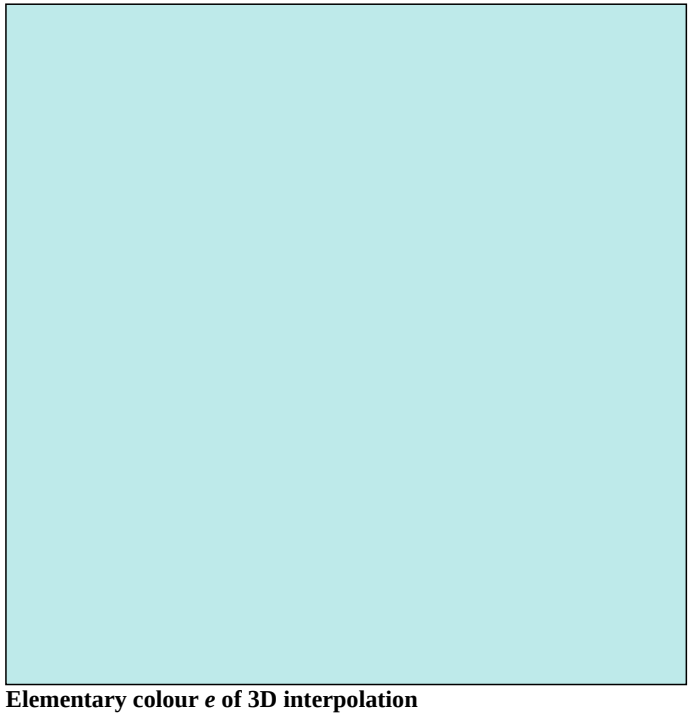
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.875	0.75	0.625	0.875	0.867	0.746	0.916	0.917
$rgb^*_{Fa,\ 8bit}$	159	223	191	159	223	221	190	234	234
L^*, C^*_{ab}, h_{ab}	77.6	23.7	155.0	83.6	12.3	189.6	87.5	8.9	176.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.4	16.4	3D−it:	5.7	5.7

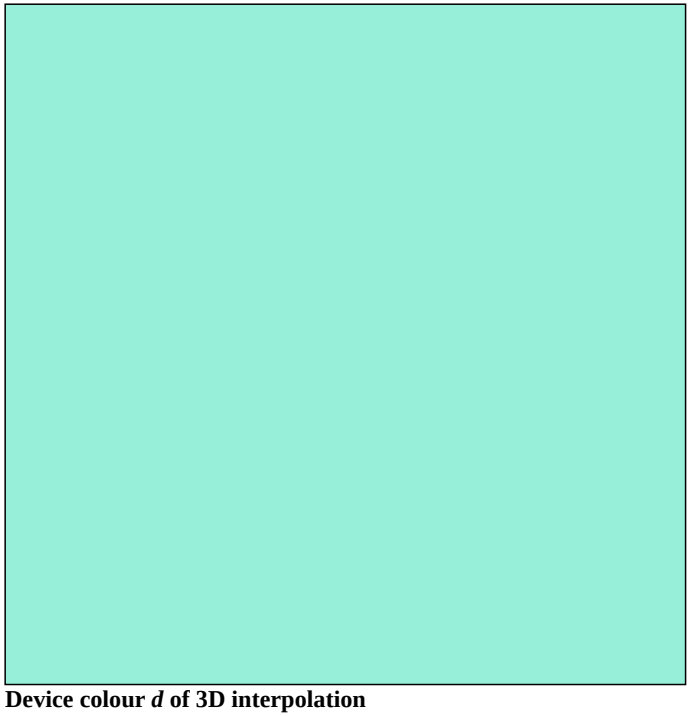
3 Colours no. *j*=474

output of the device colour *d*:

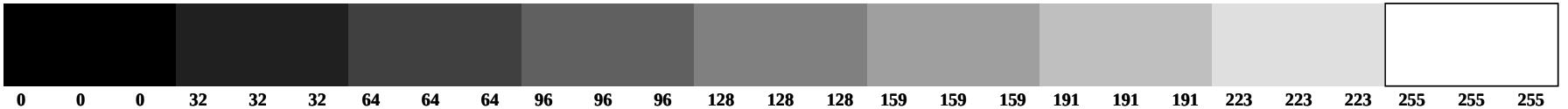
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.875	0.75	0.625	0.875	0.636	0.591	0.934	0.852
$olv^*_{Fa,\ 8bit}$	159	223	191	159	223	162	151	238	217
L^*, C^*_{ab}, h_{ab}	77.6	23.7	155.0	82.9	29.0	164.6	88.3	23.7	155.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.7	8.7	3D−in:	10.7	10.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
475	0.625	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	81.9	10.9	217.0	−8.6	−6.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
475	0.625	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	83.2	18.2	196.7	−17.3	−5.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.25	g50b	c08v		0.0	0.925	1.0	0.625	0.856	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.25	g31b	c00v		0.0	1.0	0.63	0.625	0.875	0.783

3 Colours no. *j*=475

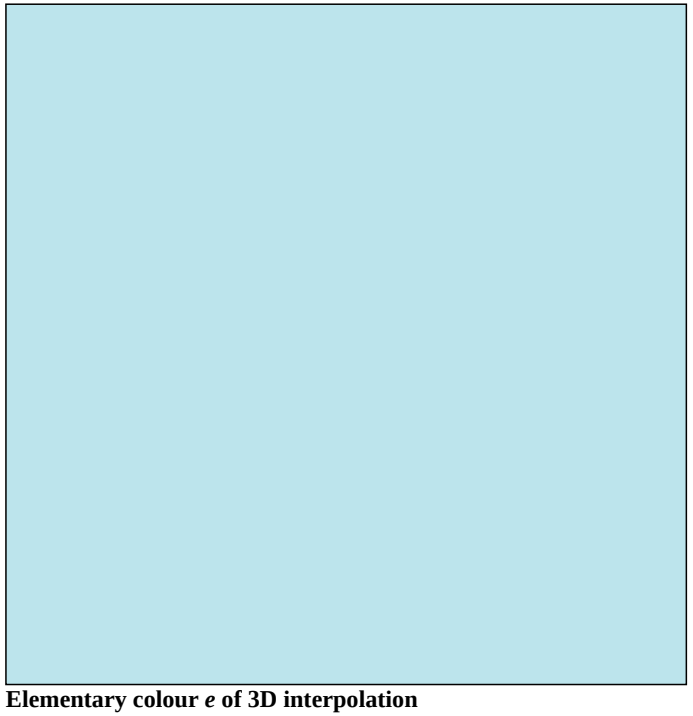
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.875	0.875	0.625	0.856	0.875	0.739	0.896	0.926
$rgb^*_{Fa,\ 8bit}$	159	223	223	159	218	223	188	228	236
L^*, C^*_{ab}, h_{ab}	78.1	16.9	186.9	81.9	10.9	217.0	84.2	8.6	176.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.0	10.0	3D−it:	7.5	7.5

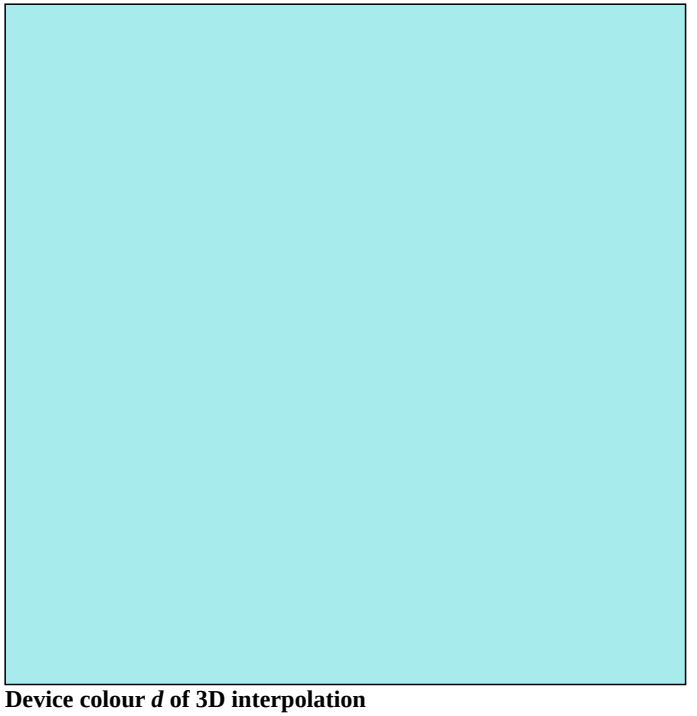
3 Colours no. *j*=475

output of the device colour *d*:

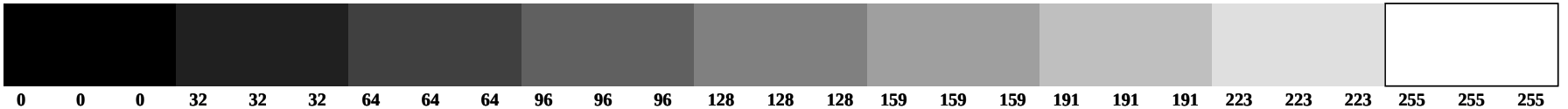
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.875	0.875	0.625	0.875	0.783	0.653	0.922	0.929
$olv^*_{Fa,\ 8bit}$	159	223	223	159	223	200	167	235	237
L^*, C^*_{ab}, h_{ab}	78.1	16.9	186.9	83.2	18.2	196.7	88.2	16.9	186.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.0	6.0	3D−in:	10.1	10.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
476	0.625	0.875	1.0	229.1	74.4	42.6	234.4	−24.7	−34.6	87.5	16.0	234.4	−9.2	−12.9	0.0	0.375	g66b	c15v		0.0	0.854	1.0	0.625	0.945	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
476	0.625	0.875	1.0	229.1	67.5	47.2	230.9	−29.7	−36.6	85.0	17.7	230.9	−11.1	−13.6	0.0	0.375	g62b	c32v		0.0	0.746	1.0	0.625	0.905	1.0

3 Colours no. *j*=476

output of the elementary colour *e*:

rgb input (in):									
	0.625	0.875	1.0	0.625	0.945	1.0	0.77	0.948	1.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	223	255	159	241	255	196	242	255
L^*, C^*_{ab}, h_{ab}	79.6	26.4	256.3	87.5	16.0	234.4	93.0	8.5	206.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.2	15.2	3D−it:	10.8	10.8

linear interpolation (it): **3D interpolation (3D):**

3 Colours no. *j*=476

output of the device colour *d*:

rgb input (in):									
	0.625	0.875	1.0	0.625	0.905	1.0	0.706	0.929	0.985
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	223	255	159	231	255	180	237	251
L^*, C^*_{ab}, h_{ab}	79.6	26.4	256.3	85.0	17.7	230.9	93.0	11.7	199.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.9	13.9	3D−in:	26.0	26.0

linear interpolation (it): **3D interpolation (3D):**

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
477	0.625	1.0	0.0	111.8	88.2	104.7	117.7	−48.5	92.7	88.2	104.7	117.7	−48.5	92.7	0.0	1.0	j36g	y30l		0.703	1.0	0.0	0.703	1.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
477	0.625	1.0	0.0	111.8	88.2	104.6	112.9	−40.7	96.4	88.2	104.6	112.9	−40.7	96.4	0.0	1.0	j29g	y36l		0.705	1.0	0.0	0.705	1.0	0.0

3 Colours no. *j*=477

output of the elementary colour *e*:

rgb input (in):									
	0.625	1.0	0.0	0.703	1.0	0.0	0.702	1.0	0.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	255	0	179	255	0	179	255	0
L^*, C^*_{ab}, h_{ab}	87.4	106.3	120.6	88.2	104.7	117.7	88.7	103.7	115.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.7	5.7	3D−it:	3.4	3.4

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
	0.625	1.0	0.0	0.705	1.0	0.0	0.793	0.989	0.0
$rgb^*_{Fa,\ 8bit}$	159	255	0	180	255	0	202	252	0
L^*, C^*_{ab}, h_{ab}	87.4	106.3	120.6	88.2	104.6	112.9	88.7	105.8	110.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.3	14.3	3D−in:	19.6	19.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
478	0.625	1.0	0.125	115.3	87.1	107.1	121.8	−56.3	91.0	88.2	93.7	121.8	−49.2	79.7	0.0	0.875	j42g	y41l		0.587	1.0	0.0	0.639	1.0	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
478	0.625	1.0	0.125	115.3	88.0	105.2	114.7	−43.9	95.5	88.9	92.0	114.7	−38.4	83.6	0.0	0.875	j32g	y42l		0.679	1.0	0.0	0.719	1.0	0.125

3 Colours no. *j*=478

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	1.0	0.125	0.639	1.0	0.125	0.667	1.0	0.183
$rgb^*_{Fa,\ 8bit}$	159	255	32	163	255	32	170	255	47
L^*, C^*_{ab}, h_{ab}	87.5	100.2	122.0	88.2	93.7	121.8	88.8	96.4	118.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−it:	6.5	6.5	

3 Colours no. *j*=478

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	1.0	0.125	0.719	1.0	0.125	0.804	0.993	0.159
$olv^*_{Fa,\ 8bit}$	159	255	32	183	255	32	205	253	41
L^*, C^*_{ab}, h_{ab}	87.5	100.2	122.0	88.9	92.0	114.7	90.3	95.6	111.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.8	14.8	3D−in:	19.4	19.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
479	0.625	1.0	0.25	120.0	85.7	111.8	127.3	−67.6	89.0	88.2	83.8	127.3	−50.7	66.7	0.0	0.75	j49g	y61l		0.385	1.0	0.0	0.539	1.0	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
479	0.625	1.0	0.25	120.0	87.6	105.9	117.1	−48.2	94.2	89.6	79.4	117.1	−36.1	70.6	0.0	0.75	j35g	y50l		0.645	1.0	0.0	0.734	1.0	0.25

3 Colours no. *j*=479

output of the elementary colour *e*:

rgb input (in):									
	0.625	1.0	0.25	0.539	1.0	0.25	0.618	1.0	0.308
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	159	255	64	137	255	64	158	255	78
L^*, C^*_{ab}, h_{ab}	87.7	87.7	125.4	88.2	83.8	127.3	88.7	87.6	125.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−it:	4.8	4.8	

3 Colours no. *j*=479

output of the device colour *d*:

rgb input (in):									
	0.625	1.0	0.25	0.734	1.0	0.25	0.815	0.997	0.292
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	159	255	64	187	255	64	208	254	74
L^*, C^*_{ab}, h_{ab}	87.7	87.7	125.4	89.6	79.4	117.1	90.7	82.8	111.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.8	14.8	3D−in:	21.2	21.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
480	0.625	1.0	0.375	126.6	84.4	111.1	134.9	−78.4	78.6	88.6	69.4	134.9	−48.9	49.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
480	0.625	1.0	0.375	126.6	87.2	106.9	120.5	−54.2	92.1	90.3	66.8	120.5	−33.8	57.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	j60g	l14c		0.0	1.0	0.139	0.375	1.0	0.462
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j40g	y61l		0.597	1.0	0.0	0.748	1.0	0.375

3 Colours no. *j*=480

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	1.0	0.375	0.375	1.0	0.462	0.585	1.0	0.5
$rgb^*_{Fa,\ 8bit}$	159	255	96	96	255	118	149	255	127
L^*, C^*_{ab}, h_{ab}	87.9	76.9	129.0	88.6	69.4	134.9	89.0	67.7	132.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.6	10.6	3D−it:	3.5	3.5

3 Colours no. *j*=480

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	1.0	0.375	0.748	1.0	0.375	0.815	1.0	0.443
$olv^*_{Fa,\ 8bit}$	159	255	96	191	255	96	208	255	113
L^*, C^*_{ab}, h_{ab}	87.9	76.9	129.0	90.3	66.8	120.5	90.9	68.3	114.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.9	14.9	3D−in:	20.6	20.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
481	0.625	1.0	0.5	136.1	84.9	85.4	146.0	−70.8	47.8	90.2	42.7	146.0	−35.3	23.9	0.0	0.5	j76g	l45c		0.0	1.0	0.449	0.5	1.0	0.724
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
481	0.625	1.0	0.5	136.1	86.7	108.4	125.4	−62.7	88.4	91.0	54.2	125.4	−31.3	44.2	0.0	0.5	j47g	y77l		0.527	1.0	0.0	0.763	1.0	0.5

3 Colours no. *j*=481

output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
rgb^*_{Fa}	0.625	1.0	0.5	0.5	1.0	0.724	0.678	1.0	0.805
$rgb^*_{Fa,\ 8bit}$	159	255	128	128	255	185	173	255	205
L^*, C^*_{ab}, h_{ab}	88.1	66.5	133.4	90.2	42.7	146.0	91.7	41.5	139.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	26.6	26.6	3D−it:	5.2	5.2

3 Colours no. *j*=481

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
olv^*_{Fa}	0.625	1.0	0.5	0.763	1.0	0.5	0.818	1.0	0.6
$olv^*_{Fa,\ 8bit}$	159	255	128	195	255	128	209	255	153
L^*, C^*_{ab}, h_{ab}	88.1	66.5	133.4	91.0	54.2	125.4	92.5	56.1	120.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.2	15.2	3D−in:	18.2	18.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
482	0.625	1.0	0.625	150.0	85.7	63.5	162.2	−60.4	19.4	91.8	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
482	0.625	1.0	0.625	150.0	86.0	110.8	132.5	−74.7	81.7	91.9	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.375	j99g	l77c		0.0	1.0	0.774	0.625	1.0	0.915
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.375	j57g	y100l		0.425	1.0	0.0	0.784	1.0	0.625

3 Colours no. *j*=482

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	1.0	0.625	0.625	1.0	0.915	0.775	1.0	0.935
$rgb^*_{Fa,\ 8bit}$	159	255	159	159	255	233	198	255	238
L^*, C^*_{ab}, h_{ab}	88.3	56.9	138.5	91.8	23.8	162.2	93.2	24.7	135.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	36.6	36.6	3D−it:	11.2	11.2

3 Colours no. *j*=482

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	1.0	0.625	0.784	1.0	0.625	0.82	1.0	0.749
$olv^*_{Fa,\ 8bit}$	159	255	159	200	255	159	209	255	191
L^*, C^*_{ab}, h_{ab}	88.3	56.9	138.5	91.9	41.5	132.5	93.9	40.5	127.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.6	16.6	3D−in:	19.7	19.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
483	0.625	1.0	0.75	169.1	86.5	53.1	179.7	−53.0	0.3	92.1	19.9	179.7	−19.8	0.1	0.0	0.375	g16b	l92c		0.0	1.0	0.921	0.625	1.0	0.97
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
483	0.625	1.0	0.75	169.1	84.6	116.8	152.9	−103.9	53.2	91.3	43.8	152.9	−38.9	19.9	0.0	0.375	j86g	l32c		0.133	1.0	0.0	0.675	1.0	0.625

3 Colours no. *j*=483

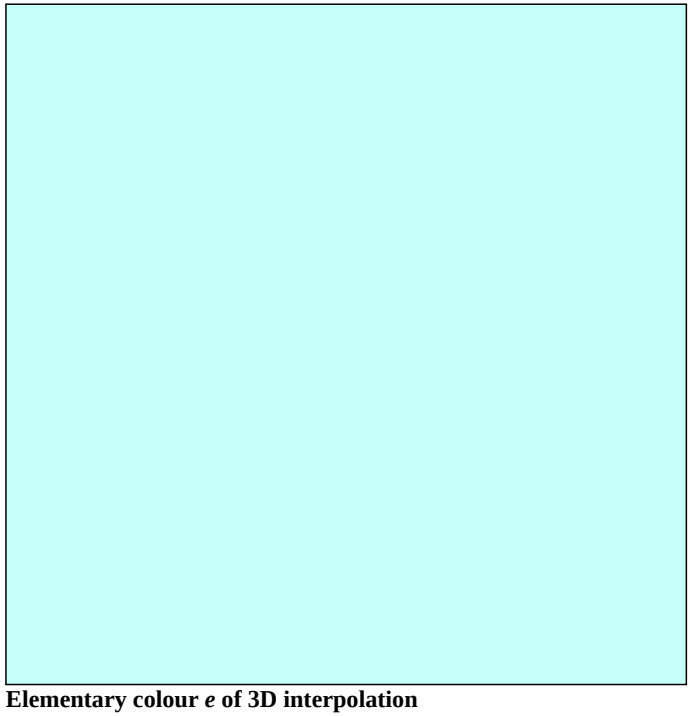
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	1.0	0.75	0.625	1.0	0.97	0.776	1.0	0.973
$rgb^*_{Fa,\ 8bit}$	159	255	191	159	255	247	198	255	248
L^*, C^*_{ab}, h_{ab}	88.6	47.7	145.5	92.1	19.9	179.7	92.7	19.8	160.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	33.3	33.3	3D−it:	6.6	6.6	

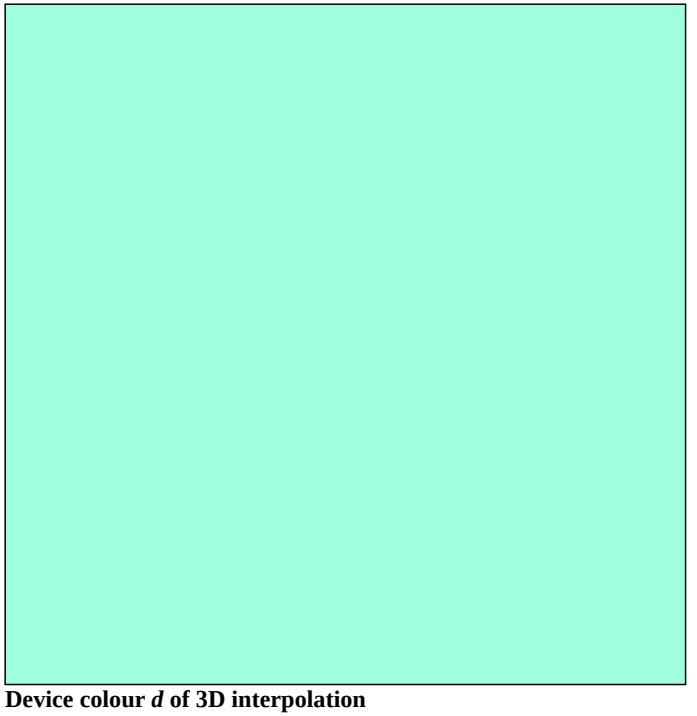
3 Colours no. *j*=483

output of the device colour *d*:

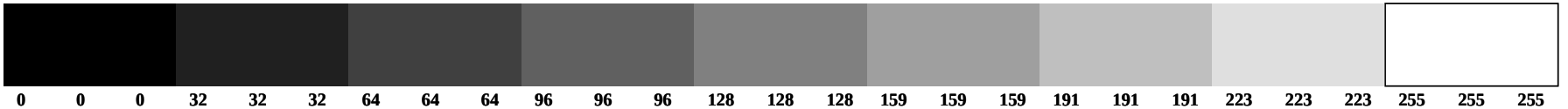
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	1.0	0.75	0.675	1.0	0.625	0.624	1.0	0.861
$olv^*_{Fa,\ 8bit}$	159	255	191	172	255	159	159	255	220
L^*, C^*_{ab}, h_{ab}	88.6	47.7	145.5	91.3	43.8	152.9	93.6	42.9	144.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−in:	6.9	6.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
484	0.625	1.0	0.875	190.9	86.3	46.0	199.5	−43.3	−15.3	92.0	17.3	199.5	−16.2	−5.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
484	0.625	1.0	0.875	190.9	84.6	100.4	176.3	−100.16.5		91.4	37.6	176.3	−37.5	2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.375	g33b	c01v		0.0	0.989	1.0	0.625	0.996	1.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.375	g13b	l68c		0.0	1.0	0.256	0.625	1.0	0.721

3 Colours no. *j*=484

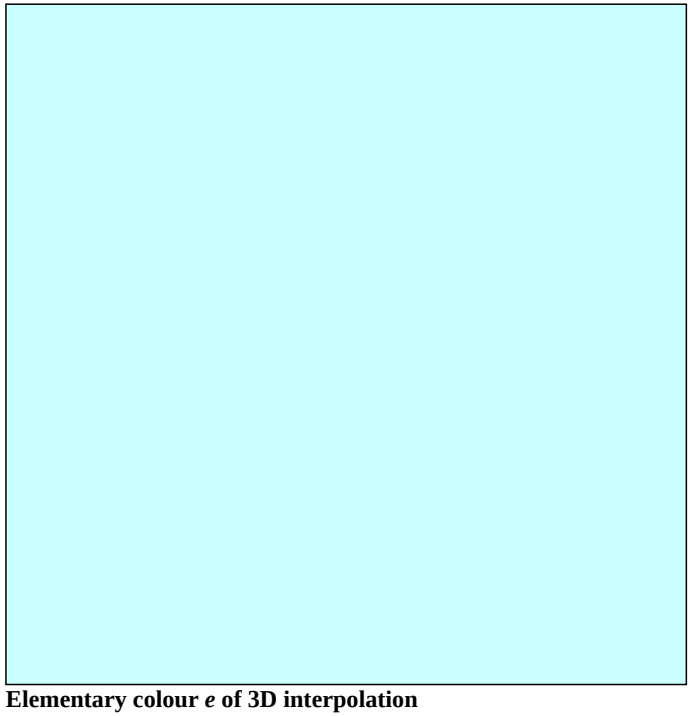
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	1.0	0.875	0.625	0.996	1.0	0.788	1.0	1.0
$rgb^*_{Fa,\ 8bit}$	159	255	223	159	254	255	201	255	255
L^*, C^*_{ab}, h_{ab}	89.1	38.2	156.7	92.0	17.3	199.5	92.5	14.8	200.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	28.2	28.2	3D−it:	2.5	2.5

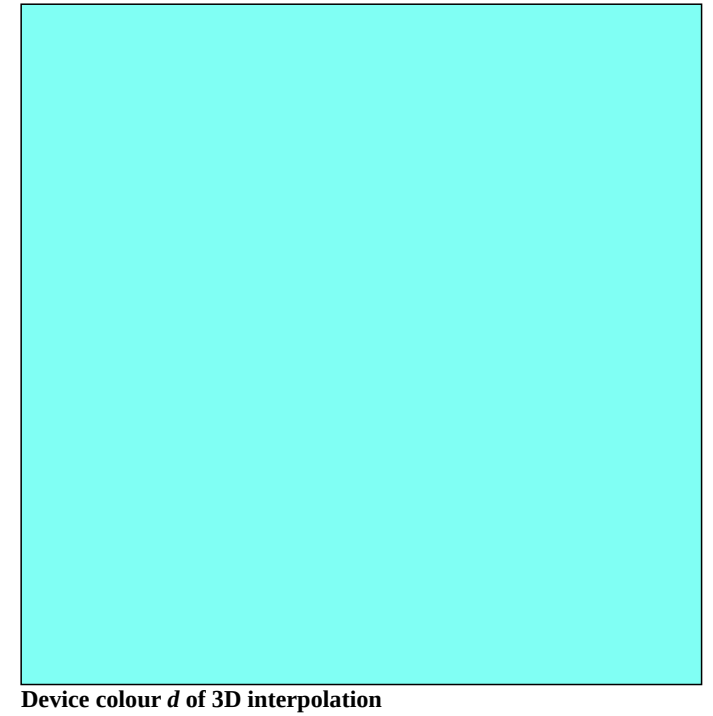
3 Colours no. *j*=484

output of the device colour *d*:

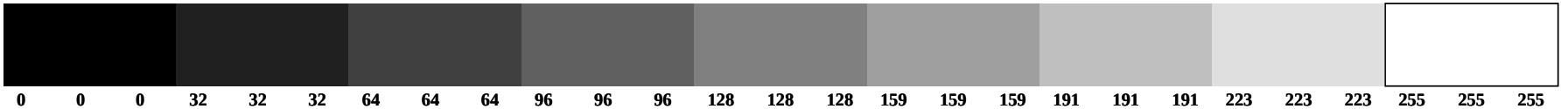
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	1.0	0.875	0.625	1.0	0.721	0.502	1.0	0.955
$olv^*_{Fa,\ 8bit}$	159	255	223	159	255	184	128	255	243
L^*, C^*_{ab}, h_{ab}	89.1	38.2	156.7	91.4	37.6	176.3	94.6	36.5	158.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.1	13.1	3D−in:	5.8	5.8



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
485	0.625	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	89.8	16.4	217.0	−13.0	−9.7	0.0	0.375	g50b	c08v		0.0	0.925	1.0	0.625	0.972	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
485	0.625	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	91.6	27.3	196.7	−26.0	−7.8	0.0	0.375	g31b	c00v		0.0	1.0	0.63	0.625	1.0	0.861

3 Colours no. *j*=485

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	1.0	1.0	0.625	0.972	1.0	0.773	0.975	1.0
$rgb^*_{Fa,\ 8bit}$	159	255	255	159	248	255	197	249	255
L^*, C^*_{ab}, h_{ab}	90.3	26.8	198.2	89.8	16.4	217.0	93.0	11.7	199.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.5	12.5	3D−it:	7.1	7.1

3 Colours no. *j*=485

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	1.0	1.0	0.625	1.0	0.861	0.625	1.0	1.0
$olv^*_{Fa,\ 8bit}$	159	255	255	159	255	220	159	255	255
L^*, C^*_{ab}, h_{ab}	90.3	26.8	198.2	91.6	27.3	196.7	93.0	26.5	196.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	1.6	1.6	3D−in:	2.9	2.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 486/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
486	0.75	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	43.9	61.0	25.5	55.0	26.2	0.25	0.75	b99r	m81o		1.0	0.0	0.189	0.75	0.0	0.142
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
486	0.75	0.0	0.0	30.0	55.6	86.2	38.2	67.7	53.3	46.1	64.6	38.2	50.8	40.0	0.25	0.75	r19j	m100o		1.0	0.19	0.0	0.75	0.143	0.0

3 Colours no. *j*=486

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	0.0	0.75	0.0	0.142	0.798	0.07	0.151
$rgb^*_{Fa,\ 8bit}$	191	0	0	191	0	36	203	18	39
L^*, C^*_{ab}, h_{ab}	40.5	64.9	34.7	43.9	61.0	25.5	47.0	61.7	25.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−it:	3.2	3.2	

3 Colours no. *j*=486

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	0.0	0.75	0.143	0.0	0.82	0.148	0.054
$olv^*_{Fa,\ 8bit}$	191	0	0	191	36	0	209	38	14
L^*, C^*_{ab}, h_{ab}	40.5	64.9	34.7	46.1	64.6	38.2	49.7	67.4	36.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	9.8	9.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
487	0.75	0.0	0.125	21.0	52.9	77.7	17.0	74.3	22.7	44.1	58.3	17.0	55.7	17.0	0.25	0.75	b92r	m72o		1.0	0.0	0.278	0.75	0.0	0.208
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
487	0.75	0.0	0.125	21.0	52.7	90.2	27.5	80.0	41.7	44.0	67.6	27.5	60.0	31.2	0.25	0.75	r03j	m85o		1.0	0.031	0.0	0.75	0.023	0.0

3 Colours no. *j*=487

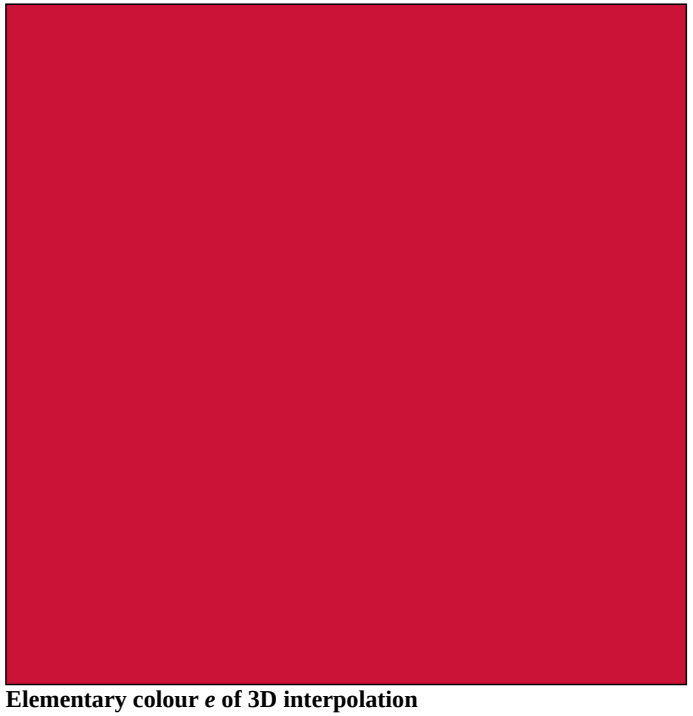
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	0.125	0.75	0.0	0.208	0.794	0.076	0.212
$rgb^*_{Fa,\ 8bit}$	191	0	32	191	0	53	203	19	54
L^*, C^*_{ab}, h_{ab}	40.9	60.3	25.0	44.1	58.3	17.0	48.0	61.8	16.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−it:	5.3	5.3	

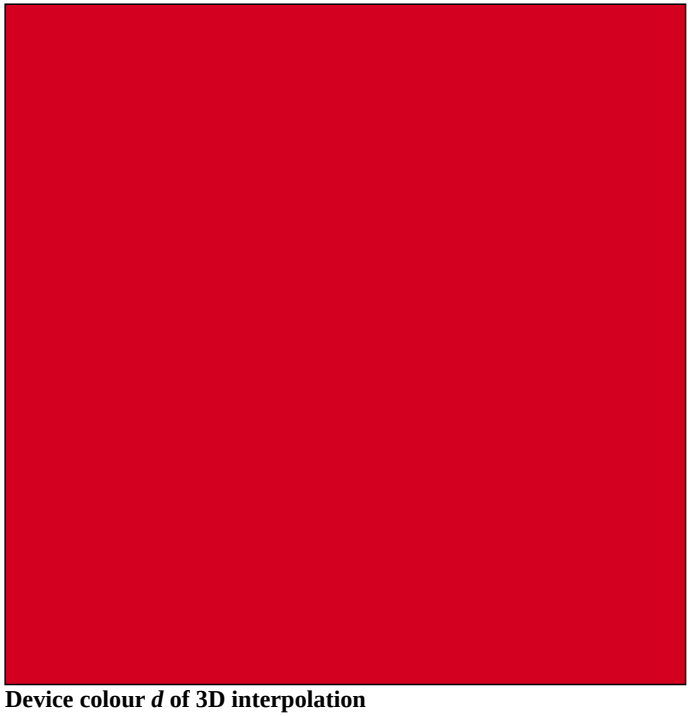
3 Colours no. *j*=487

output of the device colour *d*:

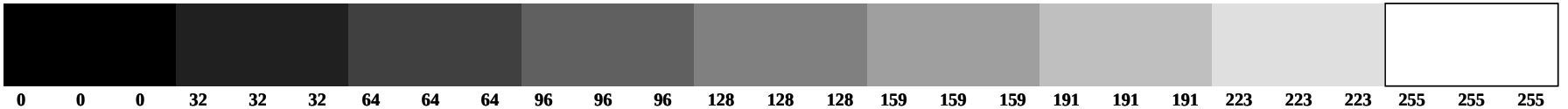
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	0.125	0.75	0.023	0.0	0.833	0.0	0.125
$olv^*_{Fa,\ 8bit}$	191	0	32	191	6	0	212	0	32
L^*, C^*_{ab}, h_{ab}	40.9	60.3	25.0	44.0	67.6	27.5	45.8	70.6	28.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−in:	12.1	12.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
488	0.75	0.0	0.25	10.9	53.3	76.5	7.4	75.8	9.8	44.4	57.3	7.4	56.9	7.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
488	0.75	0.0	0.25	10.9	52.7	81.9	15.4	79.0	21.8	43.9	61.4	15.4	59.2	16.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.75	b83r	m61o		1.0	0.0	0.391	0.75	0.0	0.293
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.75	b90r	m68o		1.0	0.0	0.177	0.75	0.0	0.133

3 Colours no. *j*=488

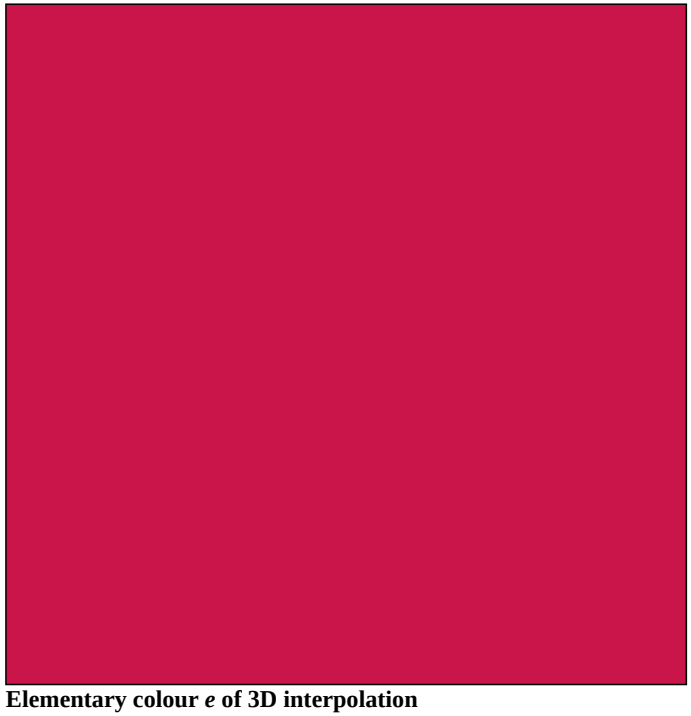
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	0.25	0.75	0.0	0.293	0.79	0.084	0.285
$rgb^*_{Fa,\ 8bit}$	191	0	64	191	0	75	202	21	73
L^*, C^*_{ab}, h_{ab}	41.4	57.5	6.4	44.4	57.3	7.4	47.4	57.8	8.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.1	3.1	3D−it:	3.1	3.1	

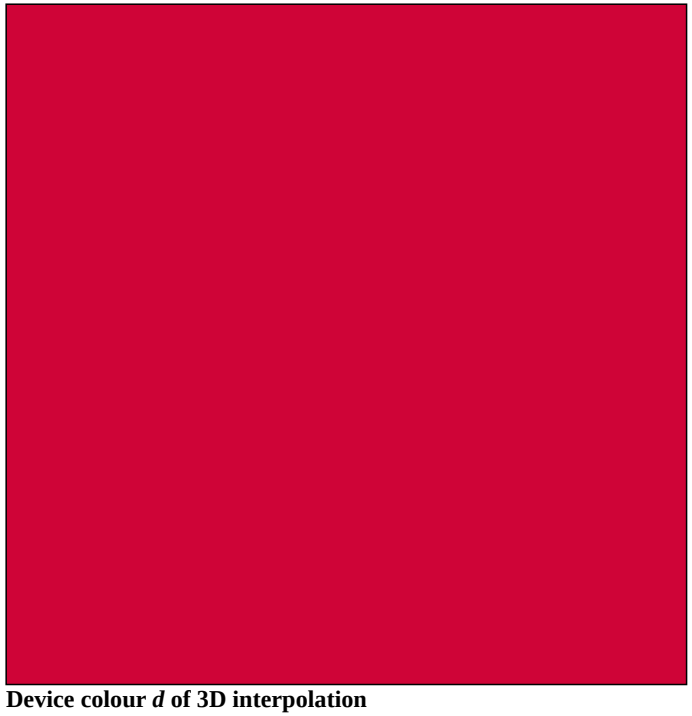
3 Colours no. *j*=488

output of the device colour *d*:

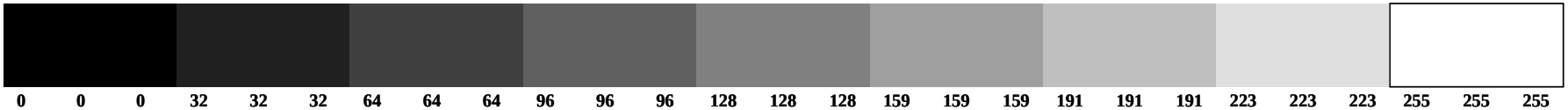
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	0.25	0.75	0.0	0.133	0.81	0.017	0.215
$olv^*_{Fa,\ 8bit}$	191	0	64	191	0	34	207	4	55
L^*, C^*_{ab}, h_{ab}	41.4	57.5	6.4	43.9	61.4	15.4	48.0	61.8	16.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	12.7	12.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
489	0.75	0.0	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	44.8	58.6	357.0	58.5	−2.9	0.25	0.75	b75r	m47o		1.0	0.0	0.529	0.75	0.0	0.397
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
489	0.75	0.0	0.375	0.0	53.4	76.6	2.4	76.5	3.2	44.4	57.4	2.4	57.4	2.4	0.25	0.75	b79r	m50o		1.0	0.0	0.406	0.75	0.0	0.304

3 Colours no. *j*=489

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	0.375	0.75	0.0	0.397	0.782	0.106	0.381
$rgb^*_{Fa,\ 8bit}$	191	0	96	191	0	101	199	27	97
L^*, C^*_{ab}, h_{ab}	42.0	60.3	352.7	44.8	58.6	357.0	45.8	60.6	357.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−it:	2.4	2.4	

3 Colours no. *j*=489

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	0.375	0.75	0.0	0.304	0.783	0.093	0.328
$olv^*_{Fa,\ 8bit}$	191	0	96	191	0	78	200	24	84
L^*, C^*_{ab}, h_{ab}	42.0	60.3	352.7	44.4	57.4	2.4	48.5	61.9	2.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	12.6	12.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
490	0.75	0.0	0.5	349.1	54.7	83.4	346.7	81.1	−19.0	45.4	62.5	346.7	60.8	−14.3	0.25	0.75	b66r	m30o		1.0	0.0	0.696	0.75	0.0	0.522
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
490	0.75	0.0	0.5	349.1	54.4	81.0	349.4	79.7	−14.8	45.2	60.8	349.4	59.7	−11.1	0.25	0.75	b68r	m32o		1.0	0.0	0.634	0.75	0.0	0.476

3 Colours no. *j*=490

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	0.5	0.75	0.0	0.522	0.789	0.093	0.488
$rgb^*_{Fa,\ 8bit}$	191	0	128	191	0	133	201	24	125
L^*, C^*_{ab}, h_{ab}	42.7	66.1	342.0	45.4	62.5	346.7	49.0	65.1	351.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	6.7	6.7	

3 Colours no. *j*=490

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	0.5	0.75	0.0	0.476	0.783	0.103	0.457
$olv^*_{Fa,\ 8bit}$	191	0	128	191	0	121	200	26	117
L^*, C^*_{ab}, h_{ab}	42.7	66.1	342.0	45.2	60.8	349.4	49.0	65.1	351.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	12.3	12.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
491	0.75	0.0	0.625	339.0	55.9	91.9	337.1	84.7	−35.7	46.3	68.9	337.1	63.5	−26.7	0.25	0.75	b57r	m13o		1.0	0.0	0.87	0.75	0.0	0.653
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
491	0.75	0.0	0.625	339.0	55.7	90.7	337.3	83.6	−34.9	46.2	68.0	337.3	62.7	−26.1	0.25	0.75	b57r	m15o		1.0	0.0	0.847	0.75	0.0	0.635

3 Colours no. *j*=491

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	0.625	0.75	0.0	0.653	0.788	0.104	0.623
$rgb^*_{Fa,\ 8bit}$	191	0	159	191	0	166	201	26	159
L^*, C^*_{ab}, h_{ab}	43.5	73.0	334.5	46.3	68.9	337.1	47.3	70.8	339.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−it:	3.5	3.5	

3 Colours no. *j*=491

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	0.625	0.75	0.0	0.635	0.782	0.112	0.615
$olv^*_{Fa,\ 8bit}$	191	0	159	191	0	162	200	28	157
L^*, C^*_{ab}, h_{ab}	43.5	73.0	334.5	46.2	68.0	337.3	47.1	69.0	339.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	8.5	8.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
492	0.75	0.0	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	47.8	79.0	328.6	67.4	−41.0	0.25	0.75	b50r	m02o		1.0	0.0	0.976	0.75	0.0	0.732
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
492	0.75	0.0	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	47.1	81.5	326.6	68.1	−44.7	0.25	0.75	b47r	m00o		0.965	0.0	1.0	0.724	0.0	0.75

3 Colours no. *j*=492

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.0	0.75	0.75	0.0	0.732	0.788	0.121	0.79
$rgb^*_{Fa,\ 8bit}$	191	0	191	191	0	187	201	31	201
L^*, C^*_{ab}, h_{ab}	44.4	81.1	328.7	47.8	79.0	328.6	49.5	81.0	330.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.1	4.1	3D−it:	4.0	4.0	

3 Colours no. *j*=492

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.0	0.75	0.724	0.0	0.75	0.768	0.1	0.812
$olv^*_{Fa,\ 8bit}$	191	0	191	185	0	191	196	26	207
L^*, C^*_{ab}, h_{ab}	44.4	81.1	328.7	47.1	81.5	326.6	49.8	81.1	328.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	5.4	5.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
493	0.75	0.0	0.875	322.4	53.5	109.1	321.4	85.3	−68.0	49.0	95.5	321.4	74.7	−59.5	0.125	0.875	b43r	v89m		0.887	0.0	1.0	0.776	0.0	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
493	0.75	0.0	0.875	322.4	54.7	109.0	323.8	87.9	−64.3	50.1	95.3	323.8	76.9	−56.2	0.125	0.875	b45r	v87m		0.915	0.0	1.0	0.801	0.0	0.875

3 Colours no. *j*=493

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.0	0.875	0.776	0.0	0.875	0.779	0.072	0.926
$rgb^*_{Fa,\ 8bit}$	191	0	223	198	0	223	199	18	236
L^*, C^*_{ab}, h_{ab}	45.7	90.7	323.7	49.0	95.5	321.4	52.3	93.3	324.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	6.9	6.9	

3 Colours no. *j*=493

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.0	0.875	0.801	0.0	0.875	0.827	0.048	0.92
$olv^*_{Fa,\ 8bit}$	191	0	223	204	0	223	211	12	235
L^*, C^*_{ab}, h_{ab}	45.7	90.7	323.7	50.1	95.3	323.8	54.5	97.0	326.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−in:	11.7	11.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
494	0.75	0.0	1.0	316.1	47.5	111.4	315.4	79.4	−78.1	47.5	111.4	315.4	79.4	−78.1	0.0	1.0	b38r	v70m		0.696	0.0	1.0	0.696	0.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
494	0.75	0.0	1.0	316.1	52.9	109.2	321.4	85.4	−68.0	52.9	109.2	321.4	85.4	−68.0	0.0	1.0	b43r	v77m		0.873	0.0	1.0	0.873	0.0	1.0

3 Colours no. *j*=494

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	1.0	0.696	0.0	1.0	0.696	0.0	1.0
$rgb^*_{Fa,\ 8bit}$	191	0	255	178	0	255	177	0	255
L^*, C^*_{ab}, h_{ab}	49.0	110.5	316.9	47.5	111.4	315.4	49.0	110.5	316.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.3	3.3	3D−it:	3.3	3.3

3 Colours no. *j*=494

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	1.0	0.873	0.0	1.0	0.88	0.0	0.996
$olv^*_{Fa,\ 8bit}$	191	0	255	223	0	255	224	0	254
L^*, C^*_{ab}, h_{ab}	49.0	110.5	316.9	52.9	109.2	321.4	53.0	109.3	321.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.5	9.5	3D−in:	10.5	10.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
495	0.75	0.125	0.0	38.9	52.4	88.1	35.4	71.8	51.1	43.7	66.1	35.4	53.8	38.3	0.25	0.75	r15j	m95o		1.0	0.0	0.054	0.75	0.0	0.041
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
495	0.75	0.125	0.0	38.9	60.0	81.7	47.7	55.0	60.4	49.4	61.3	47.7	41.3	45.3	0.25	0.75	r33j	o15y		1.0	0.332	0.0	0.75	0.249	0.0

3 Colours no. *j*=495

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.0	0.75	0.0	0.041	0.8	0.071	0.036
$rgb^*_{Fa,\ 8bit}$	191	32	0	191	0	10	204	18	9
L^*, C^*_{ab}, h_{ab}	42.6	61.9	39.7	43.7	66.1	35.4	46.9	67.2	36.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−it:	3.5	3.5	

3 Colours no. *j*=495

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.0	0.75	0.249	0.0	0.817	0.243	0.039
$olv^*_{Fa,\ 8bit}$	191	32	0	191	64	0	208	62	10
L^*, C^*_{ab}, h_{ab}	42.6	61.9	39.7	49.4	61.3	47.7	51.7	67.4	47.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−in:	13.5	13.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
496	0.75	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	49.3	50.8	25.5	45.9	21.9	0.25	0.625	b99r	m81o		1.0	0.0	0.189	0.75	0.125	0.243
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
496	0.75	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	51.1	53.9	38.2	42.3	33.3	0.25	0.625	r19j	m100o		1.0	0.19	0.0	0.75	0.244	0.125

3 Colours no. *j*=496

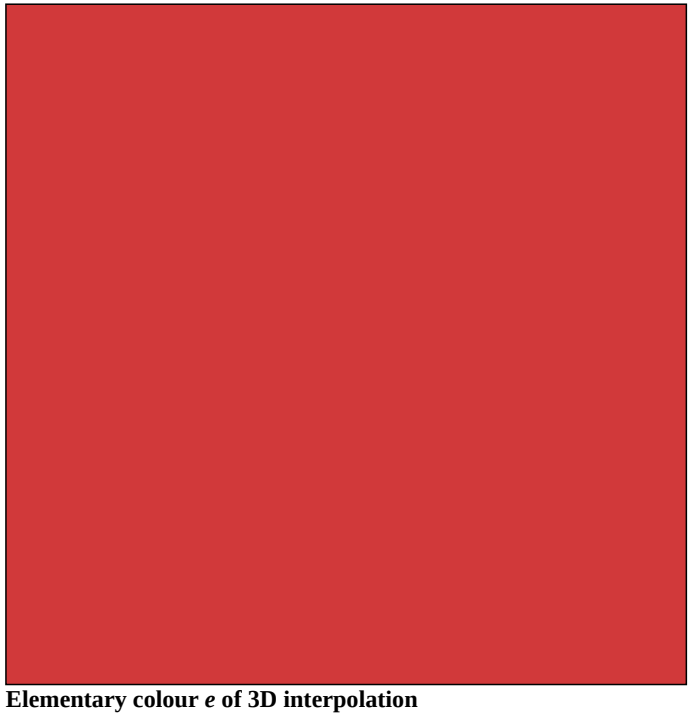
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.125	0.75	0.125	0.243	0.818	0.225	0.229
$rgb^*_{Fa,\ 8bit}$	191	32	32	191	32	62	209	57	58
L^*, C^*_{ab}, h_{ab}	42.8	56.5	30.0	49.3	50.8	25.5	52.1	53.4	25.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	3.8	3.8	

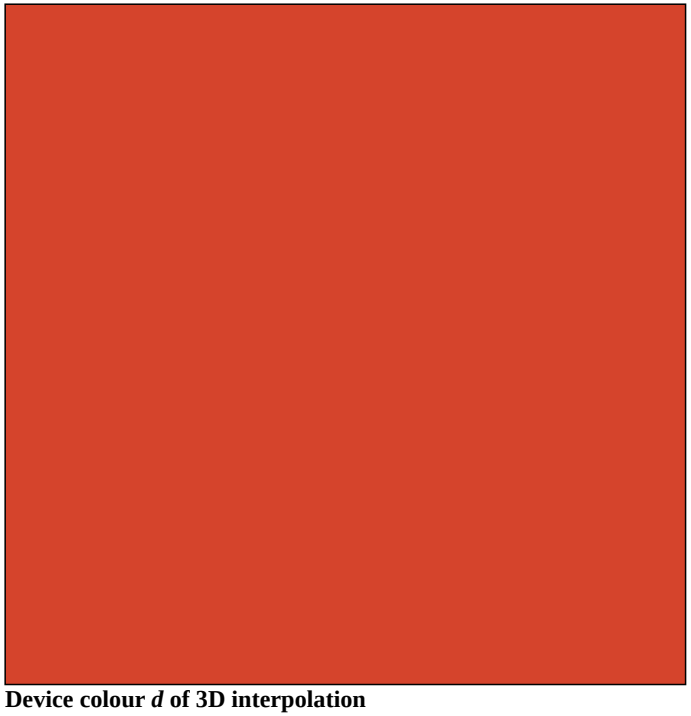
3 Colours no. *j*=496

output of the device colour *d*:

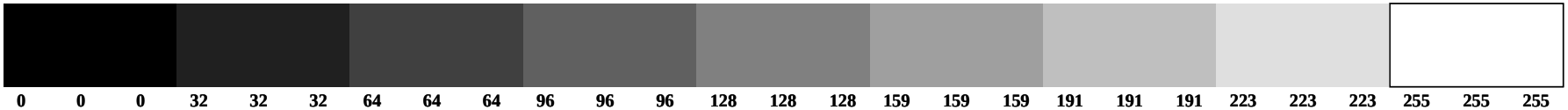
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.125	0.75	0.244	0.125	0.836	0.265	0.171
$olv^*_{Fa,\ 8bit}$	191	32	32	191	62	32	213	67	44
L^*, C^*_{ab}, h_{ab}	42.8	56.5	30.0	51.1	53.9	38.2	55.1	63.7	39.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−in:	17.2	17.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
497	0.75	0.125	0.25	19.1	53.0	77.4	15.1	74.7	20.2	49.5	48.4	15.1	46.7	12.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
497	0.75	0.125	0.25	19.1	52.4	90.4	25.2	81.8	38.5	49.1	56.5	25.2	51.1	24.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.625	b90r	m70o		1.0	0.0	0.299	0.75	0.125	0.312
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.625	b99r	m82o		1.0	0.0	0.005	0.75	0.125	0.128

3 Colours no. *j*=497

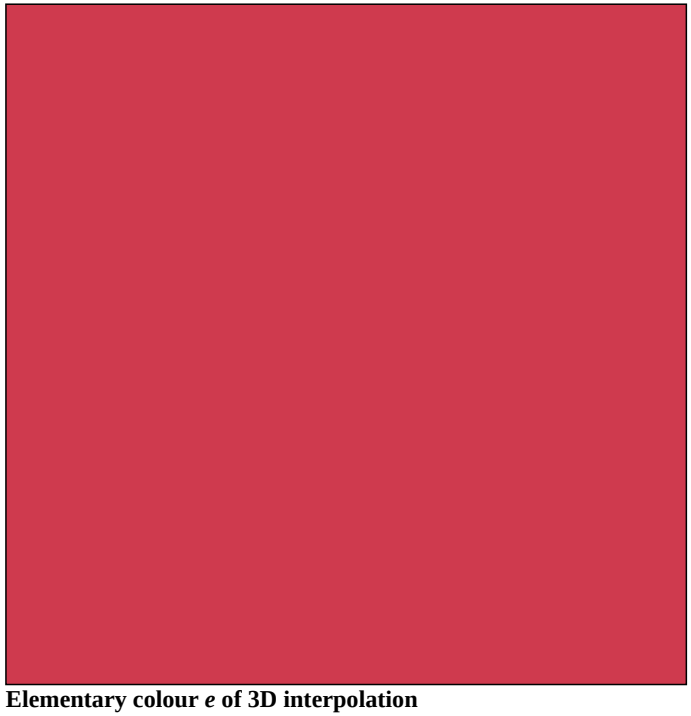
output of the elementary colour *e*:

rgb input (in):									
	0.75	0.125	0.25	0.75	0.125	0.312	0.812	0.229	0.304
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	191	32	64	191	32	80	207	58	77
L^*, C^*_{ab}, h_{ab}	43.4	52.3	10.4	49.5	48.4	15.1	52.5	53.1	17.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−it:	6.2	6.2	

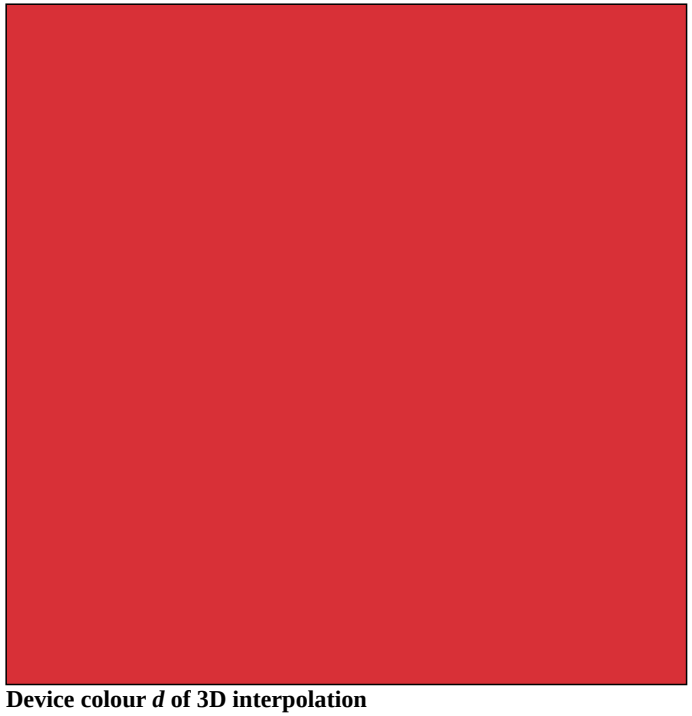
3 Colours no. *j*=497

output of the device colour *d*:

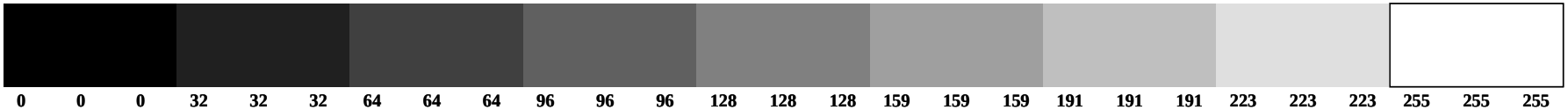
rgb input (in):									
	0.75	0.125	0.25	0.75	0.125	0.128	0.849	0.19	0.215
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	191	32	64	191	32	33	216	49	55
L^*, C^*_{ab}, h_{ab}	43.4	52.3	10.4	49.1	56.5	25.2	52.1	59.7	24.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.7	15.7	3D−in:	18.1	18.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
498	0.75	0.125	0.375	6.6	53.5	76.9	3.3	76.8	4.4	49.8	48.1	3.3	48.0	2.8
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
498	0.75	0.125	0.375	6.6	52.9	77.8	10.3	76.6	13.9	49.4	48.6	10.3	47.9	8.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.625	b80r	m56o		1.0	0.0	0.444	0.75	0.125	0.402
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.625	b86r	m61o		1.0	0.0	0.268	0.75	0.125	0.292

3 Colours no. *j*=498

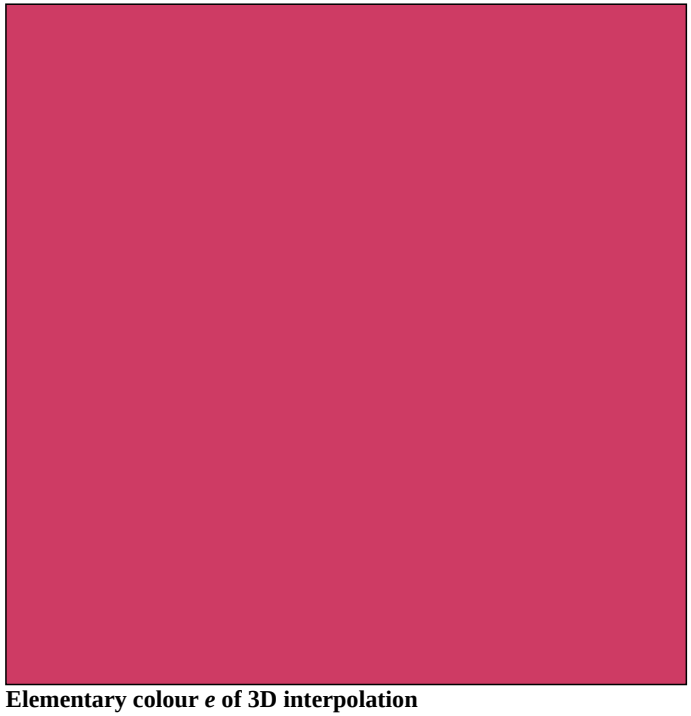
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.375	0.75	0.125	0.402	0.807	0.233	0.393
$rgb^*_{Fa,\ 8bit}$	191	32	96	191	32	103	206	59	100
L^*, C^*_{ab}, h_{ab}	43.9	56.6	356.2	49.8	48.1	3.3	52.5	51.4	10.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.3	12.3	3D−it:	7.2	7.2

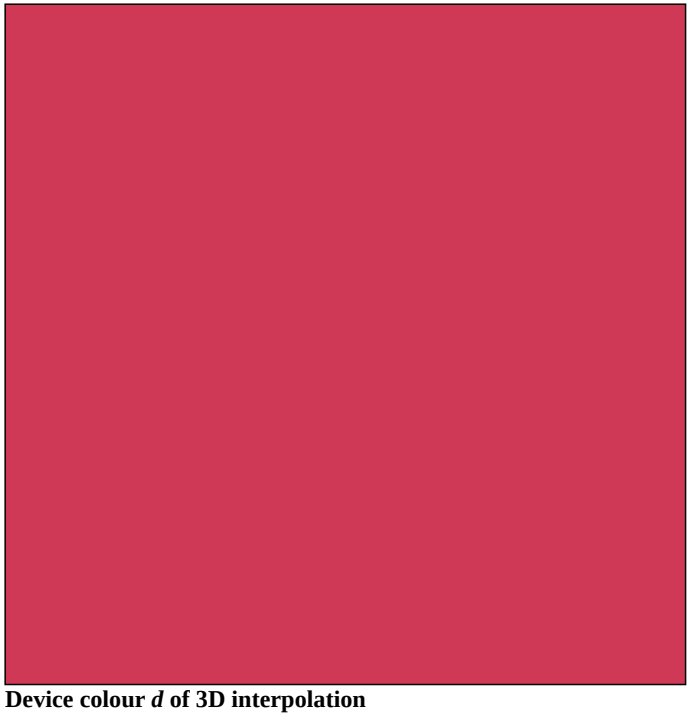
3 Colours no. *j*=498

output of the device colour *d*:

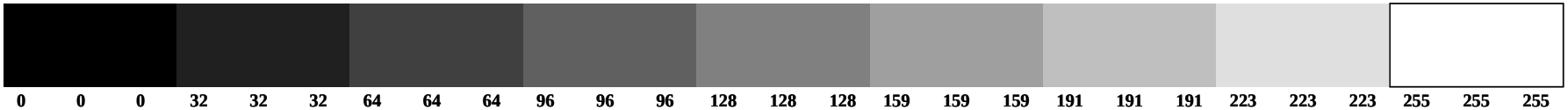
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.375	0.75	0.125	0.292	0.81	0.225	0.337
$olv^*_{Fa,\ 8bit}$	191	32	96	191	32	75	207	57	86
L^*, C^*_{ab}, h_{ab}	43.9	56.6	356.2	49.4	48.6	10.3	52.5	51.4	10.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.1	16.1	3D−in:	16.5	16.5



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
499	0.75	0.125	0.5	353.4	54.3	80.7	350.8	79.6	−12.8	50.3	50.4	350.8	49.8	−8.0	0.25	0.625	b69r	m38o		1.0	0.0	0.624	0.75	0.125	0.515
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
499	0.75	0.125	0.5	353.4	53.9	78.5	354.6	78.2	−7.4	50.1	49.1	354.6	48.9	−4.6	0.25	0.625	b72r	m39o		1.0	0.0	0.544	0.75	0.125	0.465

3 Colours no. *j*=499

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.5	0.75	0.125	0.515	0.803	0.237	0.5
$rgb^*_{Fa,\ 8bit}$	191	32	128	191	32	131	205	60	127
L^*, C^*_{ab}, h_{ab}	44.5	60.1	343.0	50.3	50.4	350.8	53.0	53.4	355.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−it:	6.1	6.1	

3 Colours no. *j*=499

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.5	0.75	0.125	0.465	0.802	0.237	0.465
$olv^*_{Fa,\ 8bit}$	191	32	128	191	32	119	204	60	118
L^*, C^*_{ab}, h_{ab}	44.5	60.1	343.0	50.1	49.1	354.6	53.0	53.4	355.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.5	16.5	3D−in:	16.7	16.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
500	0.75	0.125	0.625	340.9	55.6	90.1	338.9	84.1	−32.3	51.1	56.3	338.9	52.5	−20.1	0.25	0.625	b59r	m16o		1.0	0.0	0.836	0.75	0.125	0.648
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
500	0.75	0.125	0.625	340.9	55.4	88.4	339.6	82.9	−30.7	51.0	55.3	339.6	51.8	−19.1	0.25	0.625	b59r	m18o		1.0	0.0	0.806	0.75	0.125	0.629

3 Colours no. *j*=500

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.625	0.75	0.125	0.648	0.801	0.243	0.633
$rgb^*_{Fa,\ 8bit}$	191	32	159	191	32	165	204	62	161
L^*, C^*_{ab}, h_{ab}	45.3	67.1	334.7	51.1	56.3	338.9	52.5	59.9	341.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.1	13.1	3D−it:	4.8	4.8

3 Colours no. *j*=500

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.625	0.75	0.125	0.629	0.797	0.244	0.62
$olv^*_{Fa,\ 8bit}$	191	32	159	191	32	160	203	62	158
L^*, C^*_{ab}, h_{ab}	45.3	67.1	334.7	51.0	55.3	339.6	53.6	58.1	344.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.1	14.1	3D−in:	16.6	16.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
501	0.75	0.125	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	52.5	65.8	328.6	56.2	−34.2	0.25	0.625	b50r	m02o		1.0	0.0	0.976	0.75	0.125	0.735
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
501	0.75	0.125	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	51.9	67.9	326.6	56.7	−37.3	0.25	0.625	b47r	m00o		0.965	0.0	1.0	0.728	0.125	0.75

3 Colours no. *j*=501

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.75	0.75	0.125	0.735	0.8	0.253	0.796
$rgb^*_{Fa,\ 8bit}$	191	32	191	191	32	187	204	64	203
L^*, C^*_{ab}, h_{ab}	46.2	75.3	328.4	52.5	65.8	328.6	54.5	68.6	331.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−it:	5.0	5.0	

3 Colours no. *j*=501

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.75	0.728	0.125	0.75	0.784	0.244	0.815
$olv^*_{Fa,\ 8bit}$	191	32	191	186	32	191	200	62	208
L^*, C^*_{ab}, h_{ab}	46.2	75.3	328.4	51.9	67.9	326.6	55.2	72.7	329.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	9.6	9.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
502	0.75	0.125	0.875	321.1	52.2	109.5	320.1	84.0	−70.1	53.3	82.1	320.1	63.0	−52.5	0.125	0.75	b42r	v85m		0.852	0.0	1.0	0.764	0.125	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
502	0.75	0.125	0.875	321.1	54.3	109.0	323.3	87.4	−65.1	54.9	81.8	323.3	65.5	−48.8	0.125	0.75	b44r	v85m		0.906	0.0	1.0	0.805	0.125	0.875

3 Colours no. *j*=502

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.875	0.764	0.125	0.875	0.785	0.236	0.927
$rgb^*_{Fa,\ 8bit}$	191	32	223	195	32	223	200	60	236
L^*, C^*_{ab}, h_{ab}	47.4	85.1	323.1	53.3	82.1	320.1	59.2	85.1	323.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−it:	7.9	7.9	

3 Colours no. *j*=502

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.875	0.805	0.125	0.875	0.844	0.236	0.922
$olv^*_{Fa,\ 8bit}$	191	32	223	205	32	223	215	60	235
L^*, C^*_{ab}, h_{ab}	47.4	85.1	323.1	54.9	81.8	323.3	61.7	83.6	328.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−in:	16.6	16.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
503	0.75	0.125	1.0	313.9	45.4	112.6	313.4	77.3	−81.8	51.6	98.5	313.4	67.6	−71.5	0.0	0.875	b36r	v62m		0.619	0.0	1.0	0.666	0.125	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
503	0.75	0.125	1.0	313.9	52.5	109.4	320.6	84.5	−69.4	57.8	95.7	320.6	73.9	−60.7	0.0	0.875	b42r	v73m		0.859	0.0	1.0	0.876	0.125	1.0

3 Colours no. *j*=503

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.75	0.125	1.0	0.666	0.125	1.0	0.696	0.202	1.0
$rgb^*_{Fa,\ 8bit}$	191	32	255	170	32	255	177	52	255
L^*, C^*_{ab}, h_{ab}	50.6	105.6	316.2	51.6	98.5	313.4	54.4	96.7	316.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.7	8.7	3D−it:	6.2	6.2

Elementary colour *e* of 3D interpolation

3 Colours no. *j*=503

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.75	0.125	1.0	0.876	0.125	1.0	0.894	0.225	1.0
$olv^*_{Fa,\ 8bit}$	191	32	255	223	32	255	228	57	255
L^*, C^*_{ab}, h_{ab}	50.6	105.6	316.2	57.8	95.7	320.6	57.9	98.2	321.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.4	14.4	3D−in:	14.4	14.4

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$	n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$	$olv^*_{3Fae,it}$
504	0.75 0.25 0.0	49.1	57.2 84.2 46.8 57.7 61.3	47.3 63.1 46.8 43.2 46.0	0.25	0.75	r32j	o25y		1.0 0.246 0.0	0.75 0.184 0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$	n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$	$rgb^*_{3Fad,it}$
504	0.75 0.25 0.0	49.1	65.7 78.9 58.4 41.3 67.2	53.7 59.1 58.4 31.0 50.4	0.25	0.75	r49j	o32y		1.0 0.493 0.0	0.75 0.37 0.0

3 Colours no. *j*=504

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.0	0.75	0.184	0.0	0.798	0.205	0.0
$rgb^*_{Fa,\ 8bit}$	191	64	0	191	47	0	203	52	0
L^*, C^*_{ab}, h_{ab}	47.4	57.2	52.6	47.3	63.1	46.8	51.7	68.4	47.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.5	8.5	3D−it:	7.0	7.0

3 Colours no. *j*=504

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.0	0.75	0.37	0.0	0.821	0.35	0.041
$olv^*_{Fa,\ 8bit}$	191	64	0	191	94	0	209	89	10
L^*, C^*_{ab}, h_{ab}	47.4	57.2	52.6	53.7	59.1	58.4	56.3	63.2	57.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.9	8.9	3D−in:	12.1	12.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
505	0.75	0.25	0.125	40.9	52.4	90.1	37.6	71.4	55.0	49.1	56.3	37.6	44.6	34.4	0.25	0.625	r18j	m99o		1.0	0.0	0.012	0.75	0.125	0.132
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
505	0.75	0.25	0.125	40.9	61.0	80.8	49.7	52.2	61.7	54.4	50.5	49.7	32.6	38.5	0.25	0.625	r36j	o18y		1.0	0.363	0.0	0.75	0.352	0.125

3 Colours no. *j*=505

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.125	0.75	0.125	0.132	0.822	0.224	0.145
$rgb^*_{Fa,\ 8bit}$	191	64	32	191	32	34	210	57	37
L^*, C^*_{ab}, h_{ab}	47.6	49.9	44.0	49.1	56.3	37.6	51.7	61.6	42.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−it:	7.4	7.4	

3 Colours no. *j*=505

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.125	0.75	0.352	0.125	0.831	0.356	0.166
$olv^*_{Fa,\ 8bit}$	191	64	32	191	90	32	212	91	42
L^*, C^*_{ab}, h_{ab}	47.6	49.9	44.0	54.4	50.5	49.7	61.3	55.6	49.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−in:	15.7	15.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
506	0.75	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	54.6	40.7	25.5	36.7	17.5	0.25	0.5	b99r	m81o		1.0	0.0	0.189	0.75	0.25	0.344
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
506	0.75	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	56.1	43.1	38.2	33.9	26.6	0.25	0.5	r19j	m100o		1.0	0.19	0.0	0.75	0.345	0.25

3 Colours no. *j*=506

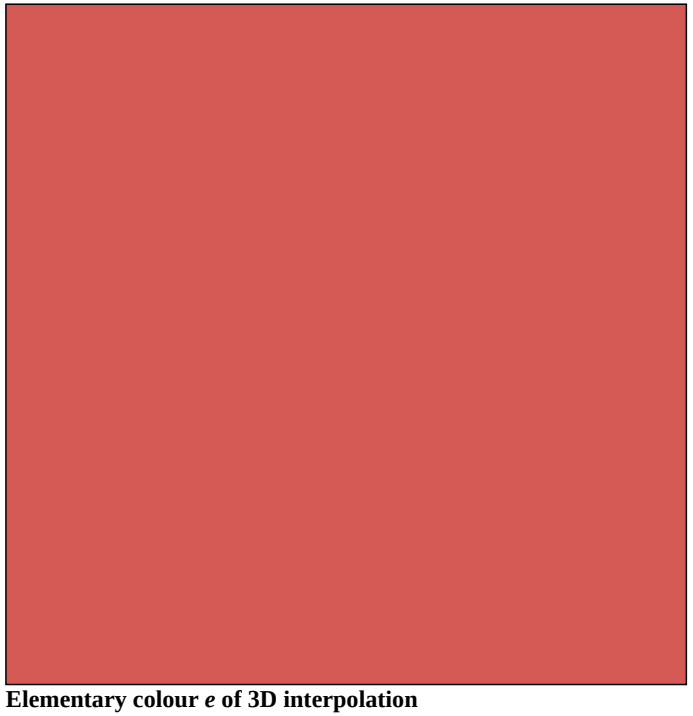
output of the elementary colour *e*:

rgb input (in):									
	0.75	0.25	0.25	0.75	0.25	0.344	0.83	0.348	0.328
rgb^*_{Fa}	191	64	64	191	64	88	212	89	84
$rgb^*_{Fa,\ 8bit}$	48.0	42.0	22.9	54.6	40.7	25.5	57.0	42.9	26.5
L^*, C^*_{ab}, h_{ab}				it−in:	7.0	7.0	3D−it:	3.4	3.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$									

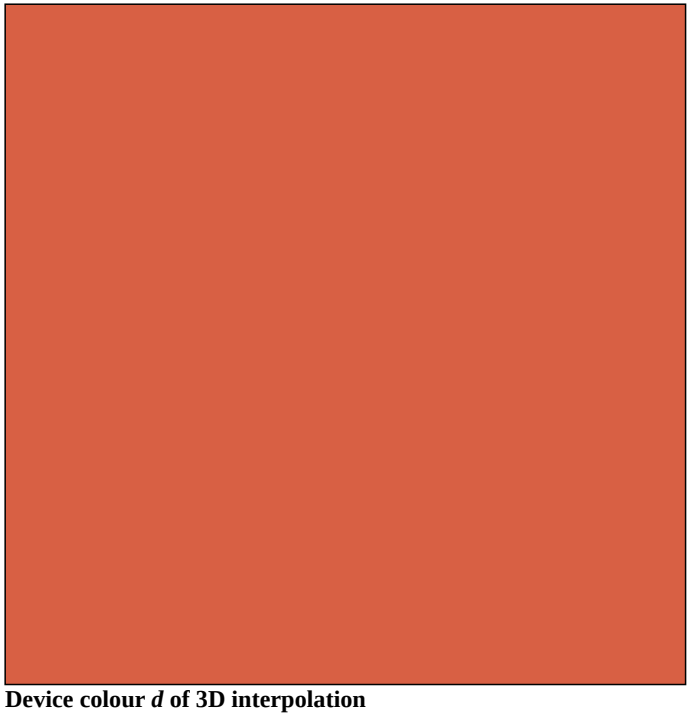
3 Colours no. *j*=506

output of the device colour *d*:

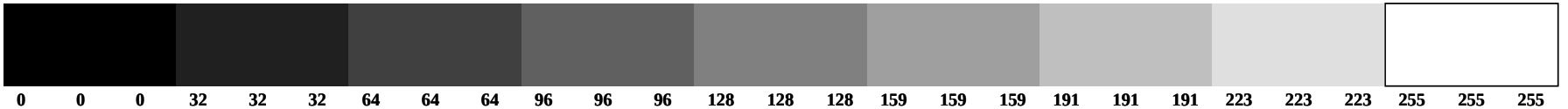
rgb input (in):									
	0.75	0.25	0.25	0.75	0.345	0.25	0.848	0.376	0.268
olv^*_{Fa}	191	64	64	191	88	64	216	96	68
$olv^*_{Fa,\ 8bit}$	48.0	42.0	22.9	56.1	43.1	38.2	57.1	44.6	37.4
L^*, C^*_{ab}, h_{ab}				it−in:	13.9	13.9	3D−in:	14.4	14.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$									



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
507	0.75	0.25	0.375	16.1	53.1	76.9	12.3	75.2	16.4	54.8	38.5	12.3	37.6	8.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
507	0.75	0.25	0.375	16.1	52.5	87.4	21.6	81.3	32.2	54.5	43.7	21.6	40.6	16.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.5	b88r	m67o		1.0	0.0	0.332	0.75	0.25	0.416
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.5	b96r	m77o		1.0	0.0	0.068	0.75	0.25	0.284

3 Colours no. *j*=507

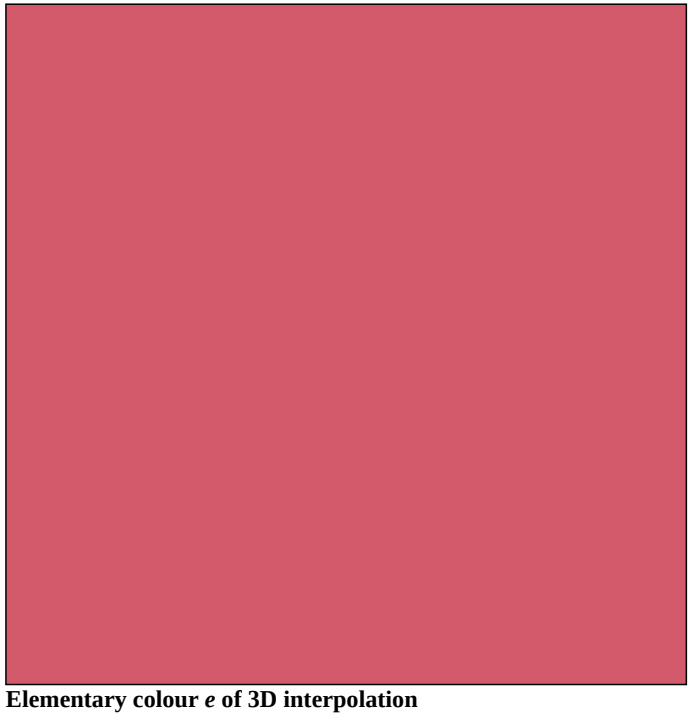
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.25	0.375	0.75	0.25	0.416	0.822	0.352	0.414
$rgb^*_{Fa,\ 8bit}$	191	64	96	191	64	106	210	90	106
L^*, C^*_{ab}, h_{ab}	48.5	41.8	3.0	54.8	38.5	12.3	57.5	43.4	17.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	6.8	6.8	

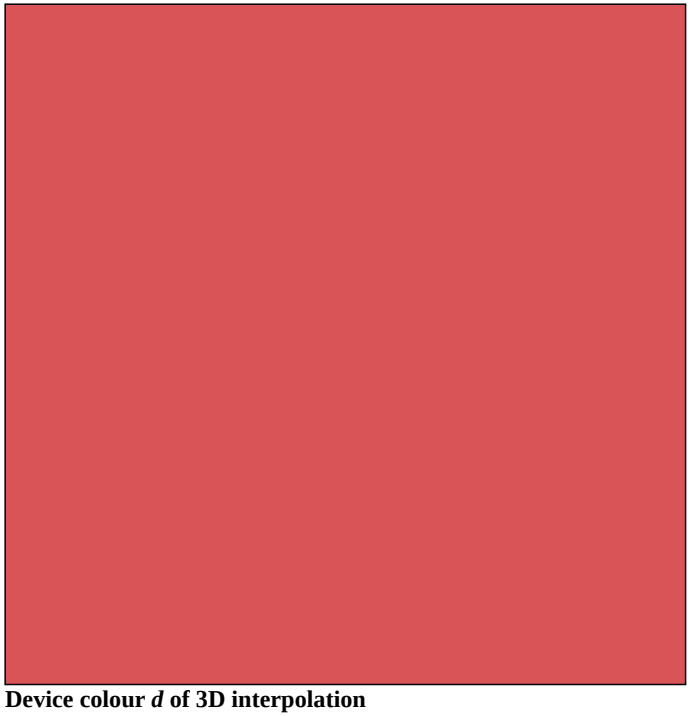
3 Colours no. *j*=507

output of the device colour *d*:

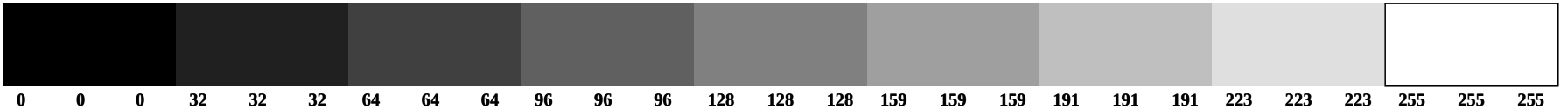
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.25	0.375	0.75	0.25	0.284	0.851	0.328	0.34
$olv^*_{Fa,\ 8bit}$	191	64	96	191	64	72	217	84	87
L^*, C^*_{ab}, h_{ab}	48.5	41.8	3.0	54.5	43.7	21.6	57.0	45.9	20.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.1	15.1	3D−in:	16.6	16.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
508	0.75	0.25	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	55.2	39.1	357.0	39.0	−1.9	0.25	0.5	b75r	m47o		1.0	0.0	0.529	0.75	0.25	0.514
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
508	0.75	0.25	0.5	0.0	53.4	76.6	2.4	76.5	3.2	55.0	38.3	2.4	38.3	1.6	0.25	0.5	b79r	m50o		1.0	0.0	0.406	0.75	0.25	0.453

3 Colours no. *j*=508

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.5	0.75	0.25	0.514	0.814	0.358	0.516
$rgb^*_{Fa,\ 8bit}$	191	64	128	191	64	131	208	91	132
L^*, C^*_{ab}, h_{ab}	49.1	46.0	347.0	55.2	39.1	357.0	57.5	41.4	4.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−it:	6.1	6.1	

3 Colours no. *j*=508

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.5	0.75	0.25	0.453	0.814	0.355	0.477
$olv^*_{Fa,\ 8bit}$	191	64	128	191	64	115	208	91	122
L^*, C^*_{ab}, h_{ab}	49.1	46.0	347.0	55.0	38.3	2.4	57.5	41.4	4.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.9	14.9	3D−in:	16.3	16.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
509	0.75	0.25	0.625	343.9	55.2	87.2	341.8	82.9	−27.2	55.9	43.6	341.8	41.4	−13.5	0.25	0.5	b61r	m22o		1.0	0.0	0.784	0.75	0.25	0.642
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
509	0.75	0.25	0.625	343.9	54.9	85.1	343.2	81.5	−24.5	55.7	42.6	343.2	40.8	−12.2	0.25	0.5	b63r	m23o		1.0	0.0	0.743	0.75	0.25	0.622

3 Colours no. *j*=509

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.625	0.75	0.25	0.642	0.809	0.364	0.643
$rgb^*_{Fa,\ 8bit}$	191	64	159	191	64	164	206	93	164
L^*, C^*_{ab}, h_{ab}	49.7	52.8	335.8	55.9	43.6	341.8	58.6	48.1	350.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.2	12.2	3D−it:	8.7	8.7	

3 Colours no. *j*=509

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.625	0.75	0.25	0.622	0.807	0.365	0.627
$olv^*_{Fa,\ 8bit}$	191	64	159	191	64	159	206	93	160
L^*, C^*_{ab}, h_{ab}	49.7	52.8	335.8	55.7	42.6	343.2	58.0	45.0	349.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.4	13.4	3D−in:	16.4	16.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
510	0.75	0.25	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	57.2	52.6	328.6	44.9	−27.3	0.25	0.5	b50r	m02o		1.0	0.0	0.976	0.75	0.25	0.738
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
510	0.75	0.25	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	56.7	54.3	326.6	45.4	−29.8	0.25	0.5	b47r	m00o		0.965	0.0	1.0	0.733	0.25	0.75

3 Colours no. *j*=510

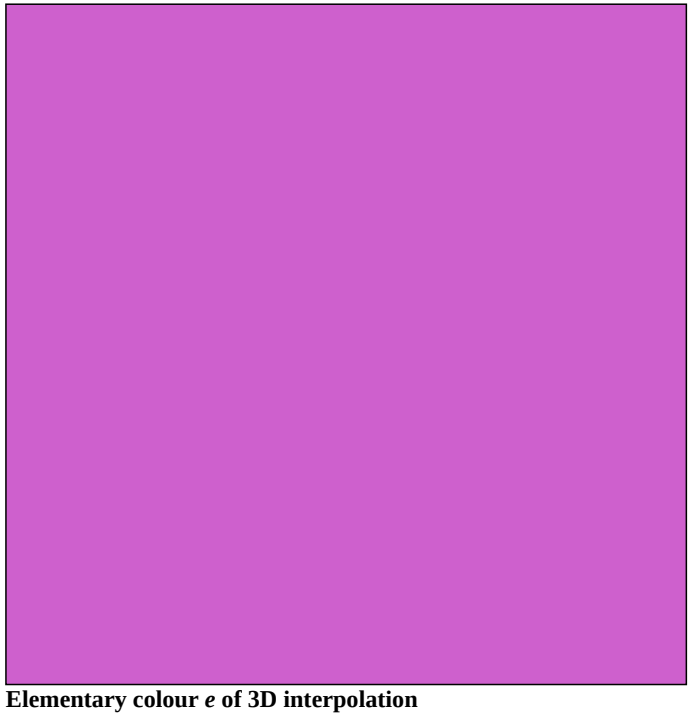
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.75	0.75	0.25	0.738	0.808	0.376	0.803
$rgb^*_{Fa,\ 8bit}$	191	64	191	191	64	188	206	96	205
L^*, C^*_{ab}, h_{ab}	50.5	61.3	327.9	57.2	52.6	328.6	59.5	56.4	335.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−it:	7.8	7.8	

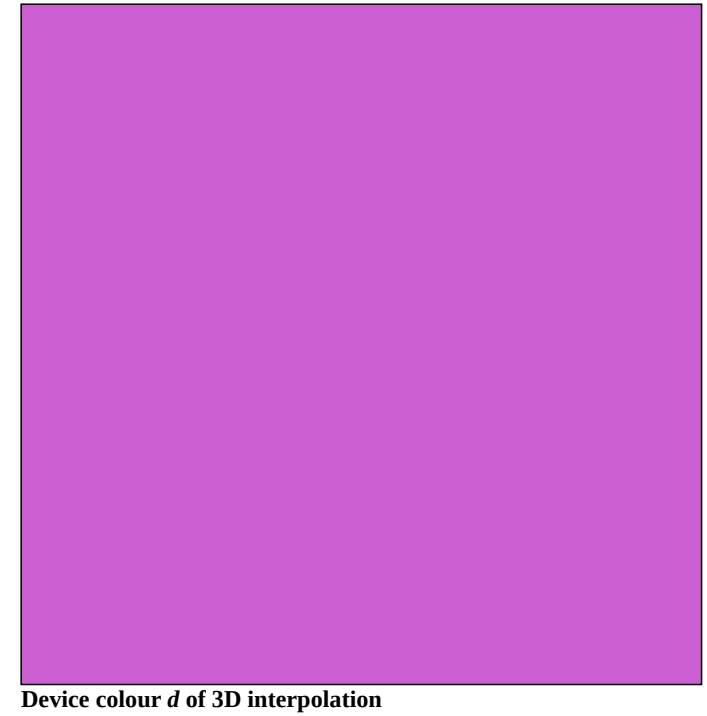
3 Colours no. *j*=510

output of the device colour *d*:

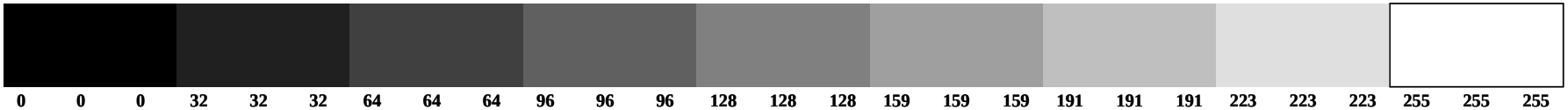
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.75	0.733	0.25	0.75	0.795	0.369	0.818
$olv^*_{Fa,\ 8bit}$	191	64	191	187	64	191	203	94	209
L^*, C^*_{ab}, h_{ab}	50.5	61.3	327.9	56.7	54.3	326.6	59.5	58.7	331.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−in:	9.8	9.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
511	0.75	0.25	0.875	319.1	50.4	110.1	318.3	82.2	−73.1	57.6	68.8	318.3	51.4	−45.7	0.125	0.625	b40r	v79m		0.794	0.0	1.0	0.746	0.25	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
511	0.75	0.25	0.875	319.1	53.8	109.1	322.5	86.6	−66.3	59.7	68.2	322.5	54.1	−41.4	0.125	0.625	b44r	v82m		0.893	0.0	1.0	0.808	0.25	0.875

3 Colours no. *j*=511

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.875	0.746	0.25	0.875	0.785	0.359	0.927
$rgb^*_{Fa,\ 8bit}$	191	64	223	190	64	223	200	92	236
L^*, C^*_{ab}, h_{ab}	51.6	71.6	321.7	57.6	68.8	318.3	63.5	71.6	321.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−it:	7.8	7.8	

3 Colours no. *j*=511

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.875	0.808	0.25	0.875	0.856	0.37	0.923
$olv^*_{Fa,\ 8bit}$	191	64	223	206	64	223	218	94	235
L^*, C^*_{ab}, h_{ab}	51.6	71.6	321.7	59.7	68.2	322.5	66.2	70.2	329.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−in:	17.4	17.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
512	0.75	0.25	1.0	310.9	42.3	114.4	310.5	74.3	−86.9	55.6	85.8	310.5	55.7	−65.1	0.0	0.75	b33r	v49m		0.492	0.0	1.0	0.619	0.25	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
512	0.75	0.25	1.0	310.9	51.8	109.6	319.4	83.3	−71.2	62.7	82.2	319.4	62.5	−53.3	0.0	0.75	b41r	v68m		0.839	0.0	1.0	0.879	0.25	1.0

3 Colours no. *j*=512

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	1.0	0.619	0.25	1.0	0.688	0.324	1.0
$rgb^*_{Fa,\ 8bit}$	191	64	255	158	64	255	175	83	255
L^*, C^*_{ab}, h_{ab}	54.4	93.3	314.4	55.6	85.8	310.5	58.7	83.3	314.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	6.9	6.9	

3 Colours no. *j*=512

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	1.0	0.879	0.25	1.0	0.906	0.371	1.0
$olv^*_{Fa,\ 8bit}$	191	64	255	224	64	255	231	95	255
L^*, C^*_{ab}, h_{ab}	54.4	93.3	314.4	62.7	82.2	319.4	63.7	83.8	321.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.9	15.9	3D−in:	17.0	17.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
513	0.75	0.375	0.0	60.0	63.5	79.7	58.9	41.2	68.2	52.0	59.8	58.9	30.9	51.2	0.25	0.75	r49j	o43y		1.0	0.434	0.0	0.75	0.325	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
513	0.75	0.375	0.0	60.0	72.5	80.1	70.0	27.4	75.3	58.8	60.1	70.0	20.6	56.5	0.25	0.75	r66j	o50y		1.0	0.666	0.0	0.75	0.5	0.0

3 Colours no. *j*=513

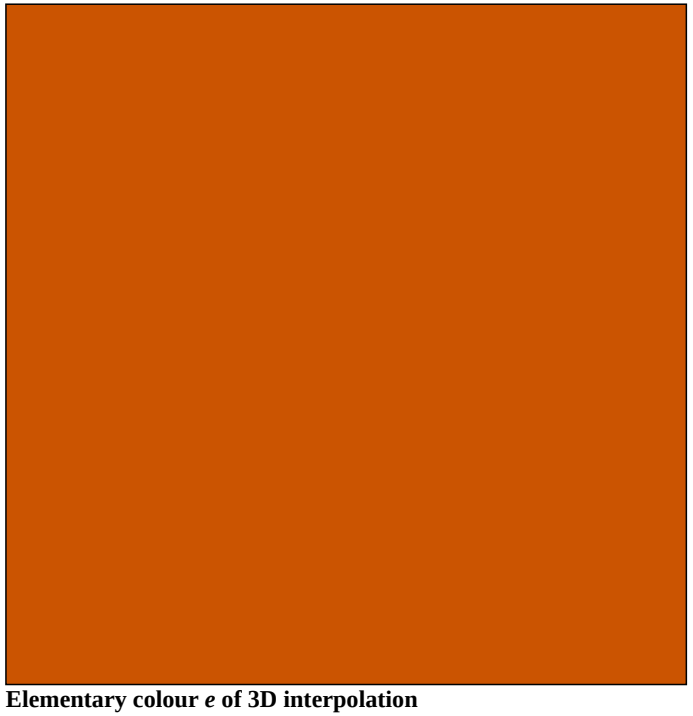
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.0	0.75	0.325	0.0	0.798	0.328	0.005
$rgb^*_{Fa,\ 8bit}$	191	96	0	191	83	0	203	84	1
L^*, C^*_{ab}, h_{ab}	52.6	56.0	67.4	52.0	59.8	58.9	56.3	64.5	58.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.3	9.3	3D−it:	6.4	6.4

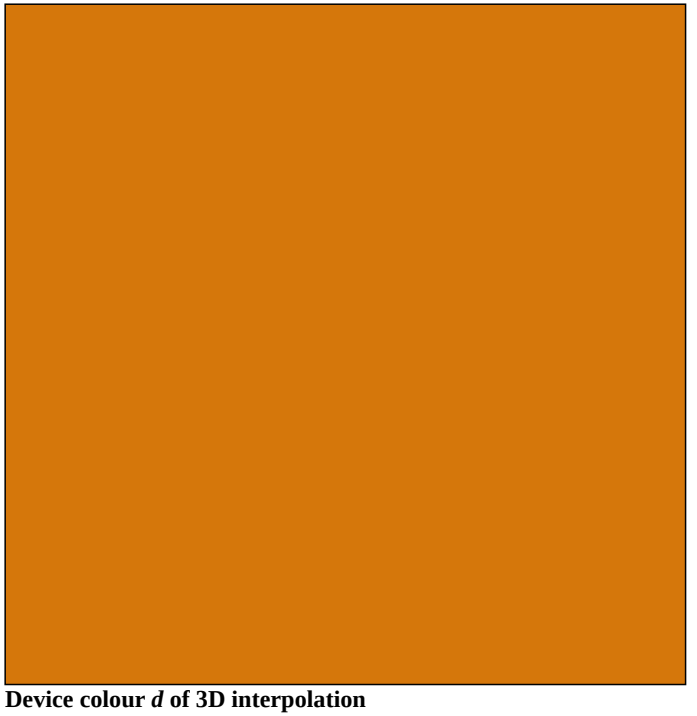
3 Colours no. *j*=513

output of the device colour *d*:

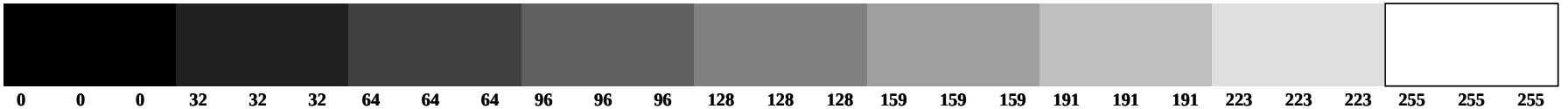
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.0	0.75	0.5	0.0	0.834	0.466	0.043
$olv^*_{Fa,\ 8bit}$	191	96	0	191	127	0	213	119	11
L^*, C^*_{ab}, h_{ab}	52.6	56.0	67.4	58.8	60.1	70.0	61.4	63.0	70.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.9	7.9	3D−in:	11.6	11.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
514	0.75	0.375	0.125	53.4	59.7	81.9	51.5	50.9	64.2	53.7	51.2	51.5	31.8	40.1	0.25	0.625	r39j	o32y		1.0	0.324	0.0	0.75	0.327	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
514	0.75	0.375	0.125	53.4	68.3	78.9	63.0	35.8	70.3	59.0	49.3	63.0	22.4	44.0	0.25	0.625	r56j	o39y		1.0	0.562	0.0	0.75	0.476	0.125

3 Colours no. *j*=514

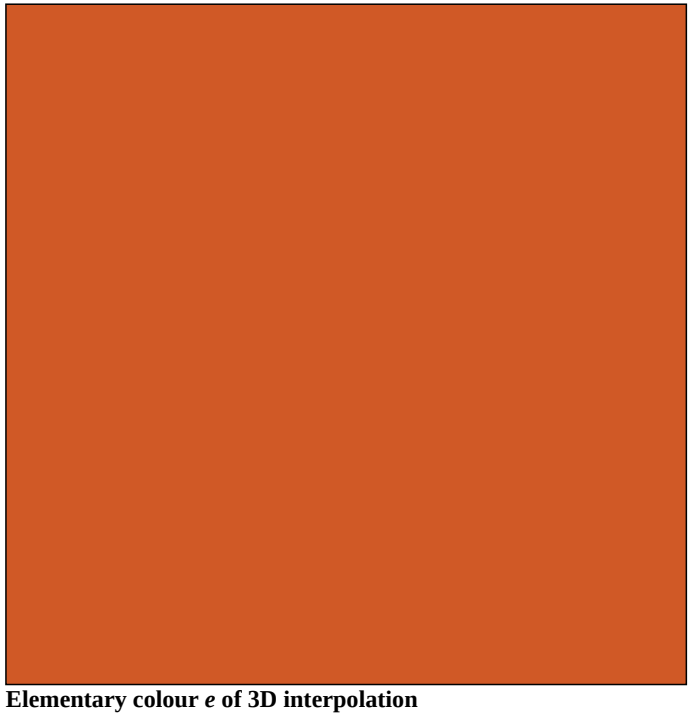
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.125	0.75	0.327	0.125	0.816	0.349	0.148
$rgb^*_{Fa,\ 8bit}$	191	96	32	191	84	32	208	89	38
L^*, C^*_{ab}, h_{ab}	52.8	47.4	61.3	53.7	51.2	51.5	56.3	58.1	54.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.2	9.2	3D−it:	7.9	7.9

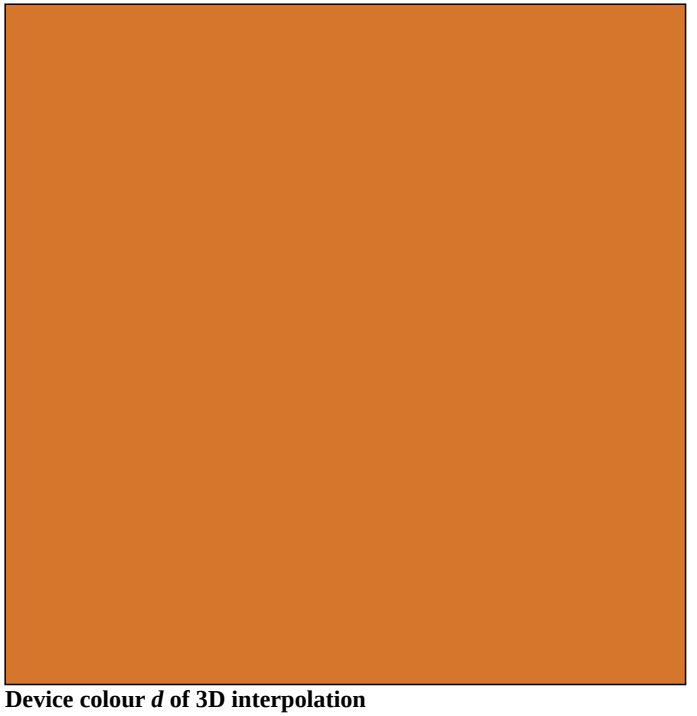
3 Colours no. *j*=514

output of the device colour *d*:

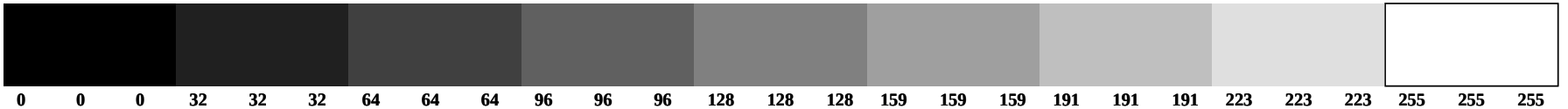
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.125	0.75	0.476	0.125	0.836	0.464	0.171
$olv^*_{Fa,\ 8bit}$	191	96	32	191	121	32	213	118	44
L^*, C^*_{ab}, h_{ab}	52.8	47.4	61.3	59.0	49.3	63.0	65.2	51.7	63.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.7	6.7	3D−in:	13.3	13.3



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
515	0.75	0.375	0.25	43.9	54.0	88.3	40.9	66.7	57.9	55.3	44.2	40.9	33.4	28.9	0.25	0.5	r23j	o13y		1.0	0.132	0.0	0.75	0.316	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
515	0.75	0.375	0.25	43.9	62.7	80.0	52.9	48.2	63.8	59.6	40.0	52.9	24.1	31.9	0.25	0.5	r41j	o23y		1.0	0.411	0.0	0.75	0.455	0.25

3 Colours no. *j*=515

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.25	0.75	0.316	0.25	0.835	0.368	0.239
$rgb^*_{Fa,\ 8bit}$	191	96	64	191	81	64	213	94	61
L^*, C^*_{ab}, h_{ab}	53.2	35.0	42.9	55.3	44.2	40.9	55.4	47.5	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.5	9.5	3D−it:	3.4	3.4	

3 Colours no. *j*=515

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.25	0.75	0.455	0.25	0.84	0.47	0.267
$olv^*_{Fa,\ 8bit}$	191	96	64	191	116	64	214	120	68
L^*, C^*_{ab}, h_{ab}	53.2	35.0	42.9	59.6	40.0	52.9	61.7	44.3	56.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	15.6	15.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
516	0.75	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	59.9	30.5	25.5	27.5	13.1	0.25	0.375	b99r	m81o		1.0	0.0	0.189	0.75	0.375	0.446
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
516	0.75	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	61.0	32.3	38.2	25.4	20.0	0.25	0.375	r19j	m100o		1.0	0.19	0.0	0.75	0.446	0.375

3 Colours no. *j*=516

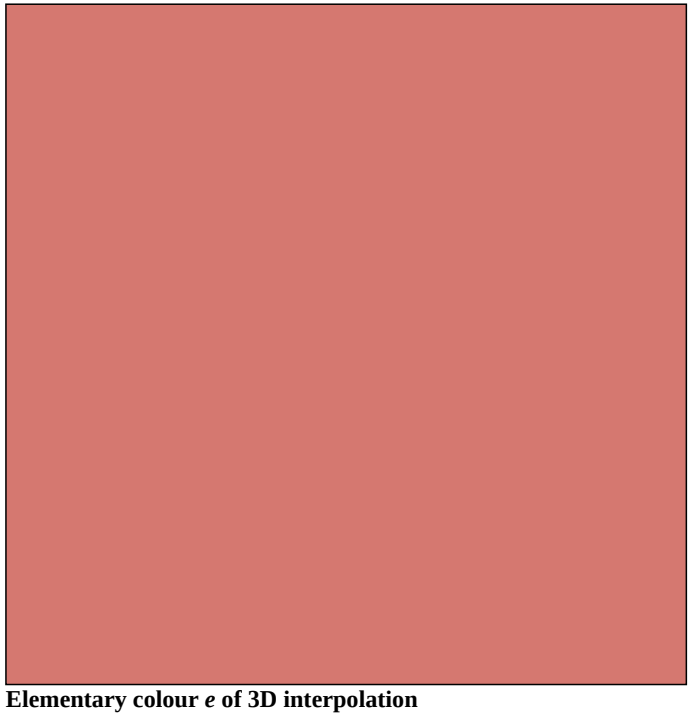
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.375	0.75	0.375	0.446	0.834	0.47	0.441
$rgb^*_{Fa,\ 8bit}$	191	96	96	191	96	114	213	120	112
L^*, C^*_{ab}, h_{ab}	53.6	30.3	19.4	59.9	30.5	25.5	62.4	33.3	28.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−it:	4.0	4.0	

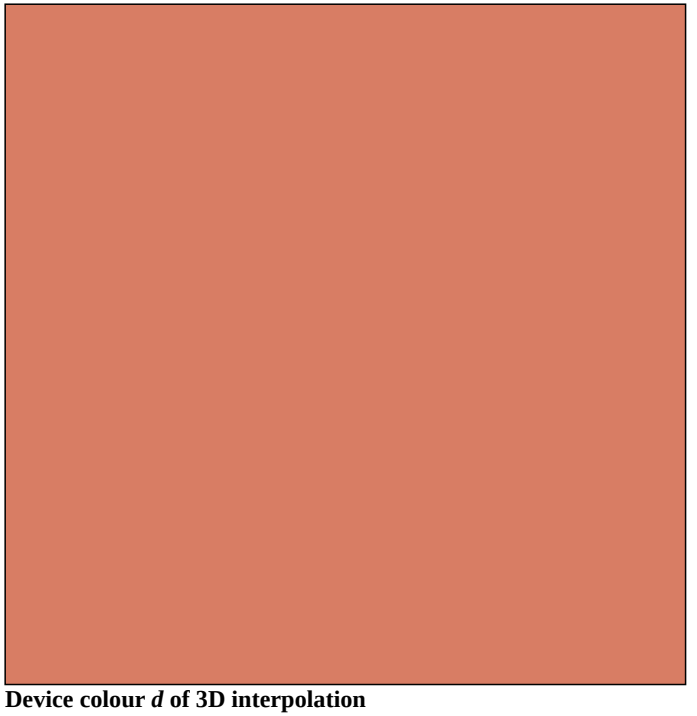
3 Colours no. *j*=516

output of the device colour *d*:

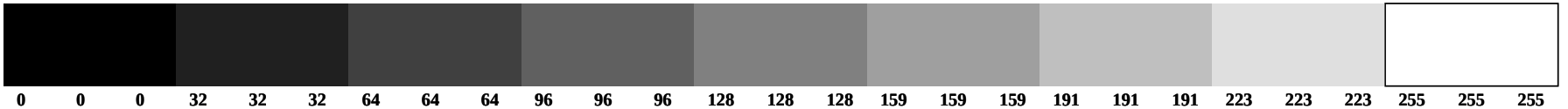
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.375	0.75	0.446	0.375	0.849	0.492	0.392
$olv^*_{Fa,\ 8bit}$	191	96	96	191	114	96	217	125	100
L^*, C^*_{ab}, h_{ab}	53.6	30.3	19.4	61.0	32.3	38.2	62.0	35.0	41.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−in:	15.8	15.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
517	0.75	0.375	0.5	10.9	53.3	76.5	7.4	75.8	9.8	60.2	28.7	7.4	28.4	3.7	0.25	0.375	b83r	m61o		1.0	0.0	0.391	0.75	0.375	0.522
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
517	0.75	0.375	0.5	10.9	52.7	81.9	15.4	79.0	21.8	59.9	30.7	15.4	29.6	8.2	0.25	0.375	b90r	m68o		1.0	0.0	0.177	0.75	0.375	0.441

3 Colours no. *j*=517

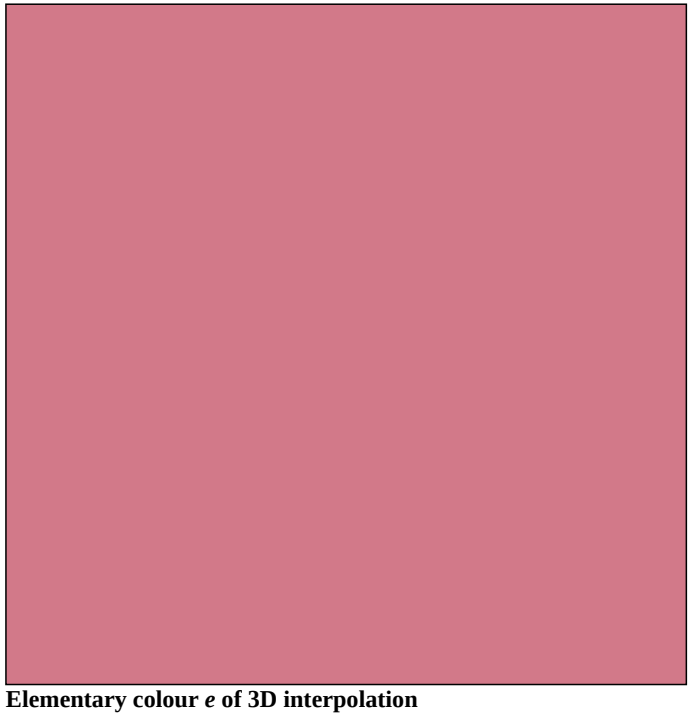
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.5	0.75	0.375	0.522	0.822	0.475	0.536
$rgb^*_{Fa,\ 8bit}$	191	96	128	191	96	133	210	121	137
L^*, C^*_{ab}, h_{ab}	54.1	32.0	355.3	60.2	28.7	7.4	62.9	32.8	14.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−it:	6.1	6.1	

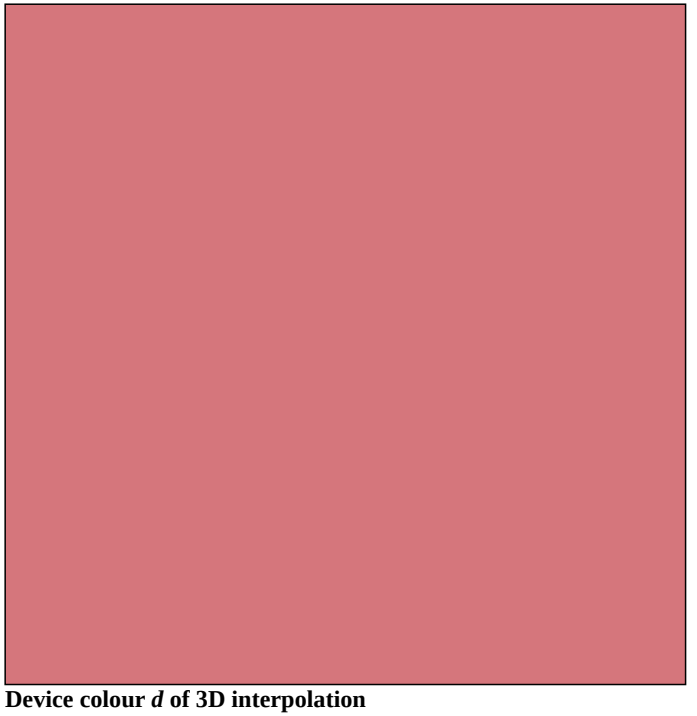
3 Colours no. *j*=517

output of the device colour *d*:

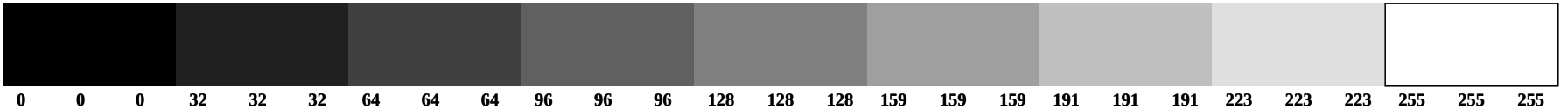
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.5	0.75	0.375	0.441	0.837	0.463	0.487
$olv^*_{Fa,\ 8bit}$	191	96	128	191	96	113	213	118	124
L^*, C^*_{ab}, h_{ab}	54.1	32.0	355.3	59.9	30.7	15.4	62.4	31.7	19.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−in:	15.6	15.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
518	0.75	0.375	0.625	349.1	54.7	83.3	346.7	81.1	−19.0	60.7	31.3	346.7	30.4	−7.1	0.25	0.375	b66r	m30o		1.0	0.0	0.696	0.75	0.375	0.636
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
518	0.75	0.375	0.625	349.1	54.4	81.0	349.4	79.7	−14.8	60.6	30.4	349.4	29.9	−5.5	0.25	0.375	b68r	m32o		1.0	0.0	0.634	0.75	0.375	0.613

3 Colours no. *j*=518

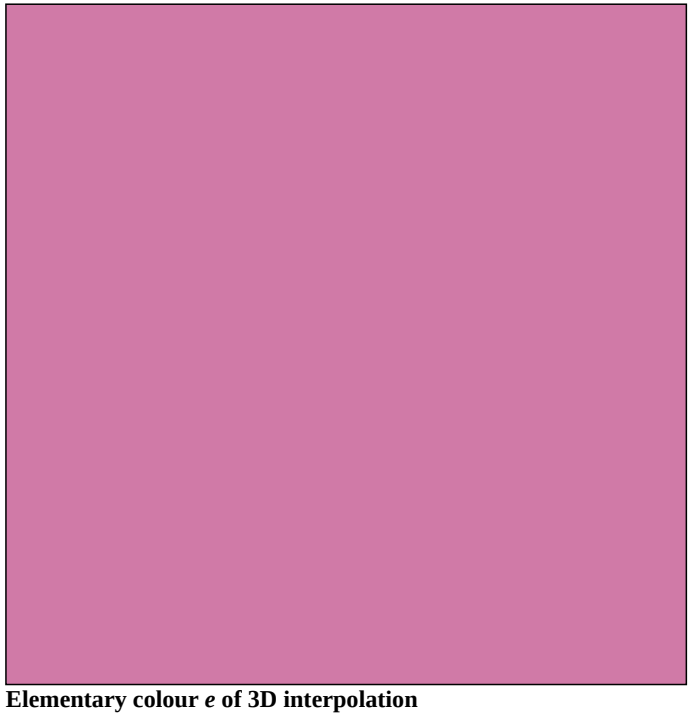
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.375	0.625	0.75	0.375	0.636	0.814	0.48	0.655
$rgb^*_{Fa,\ 8bit}$	191	96	159	191	96	162	208	122	167
L^*, C^*_{ab}, h_{ab}	54.6	38.0	338.5	60.7	31.3	346.7	63.4	35.3	355.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	10.3	10.3	**3D−it:**	7.1	7.1	

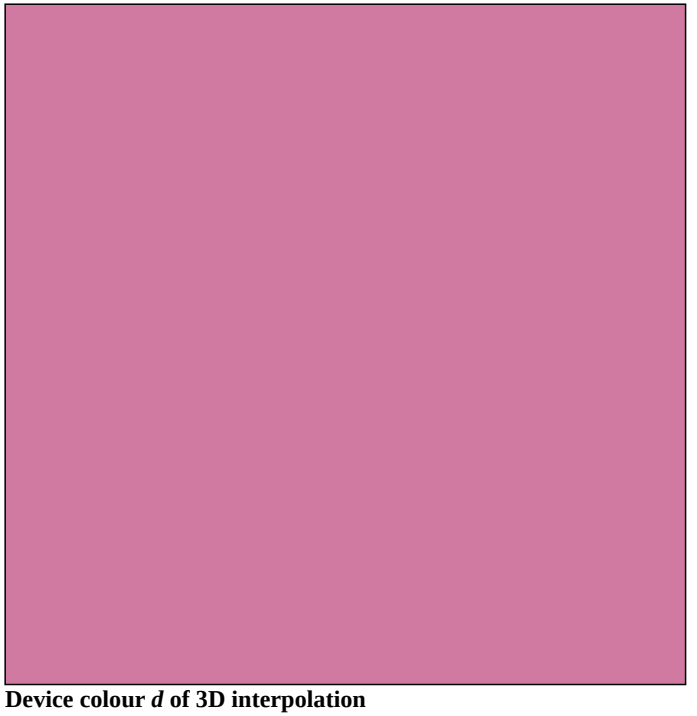
3 Colours no. *j*=518

output of the device colour *d*:

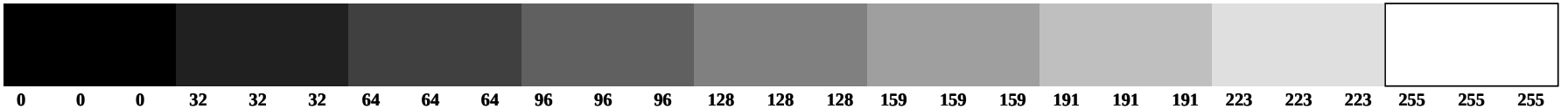
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.375	0.625	0.75	0.375	0.613	0.814	0.48	0.637
$olv^*_{Fa,\ 8bit}$	191	96	159	191	96	156	207	122	162
L^*, C^*_{ab}, h_{ab}	54.6	38.0	338.5	60.6	30.4	349.4	62.9	31.9	358.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	11.6	11.6	**3D−in:**	16.0	16.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
519	0.75	0.375	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	61.9	39.5	328.6	33.7	−20.5	0.25	0.375	b50r	m02o		1.0	0.0	0.976	0.75	0.375	0.741
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
519	0.75	0.375	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	61.5	40.7	326.6	34.0	−22.3	0.25	0.375	b47r	m00o		0.965	0.0	1.0	0.737	0.375	0.75

3 Colours no. *j*=519

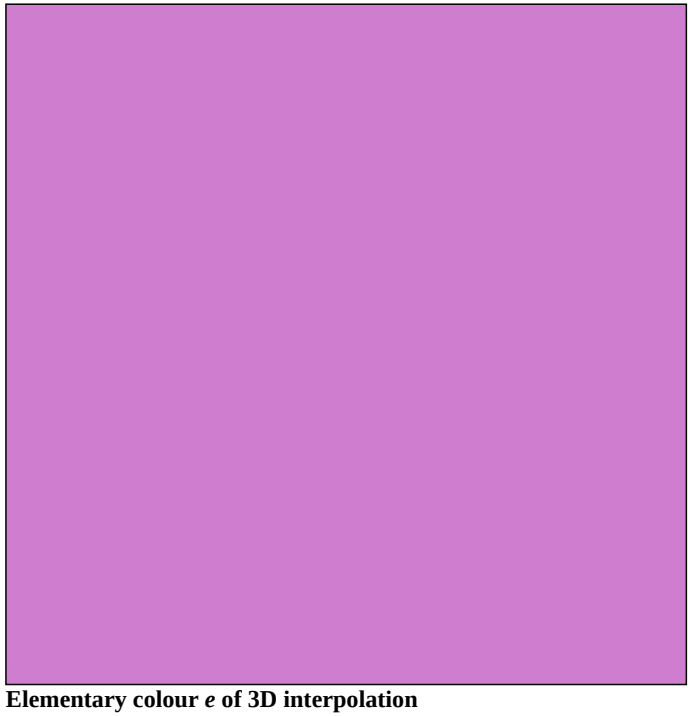
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.75	0.75	0.375	0.741	0.811	0.492	0.809
$rgb^*_{Fa,\ 8bit}$	191	96	191	191	96	189	207	125	206
L^*, C^*_{ab}, h_{ab}	55.3	46.4	327.6	61.9	39.5	328.6	64.1	42.8	336.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	6.7	6.7	

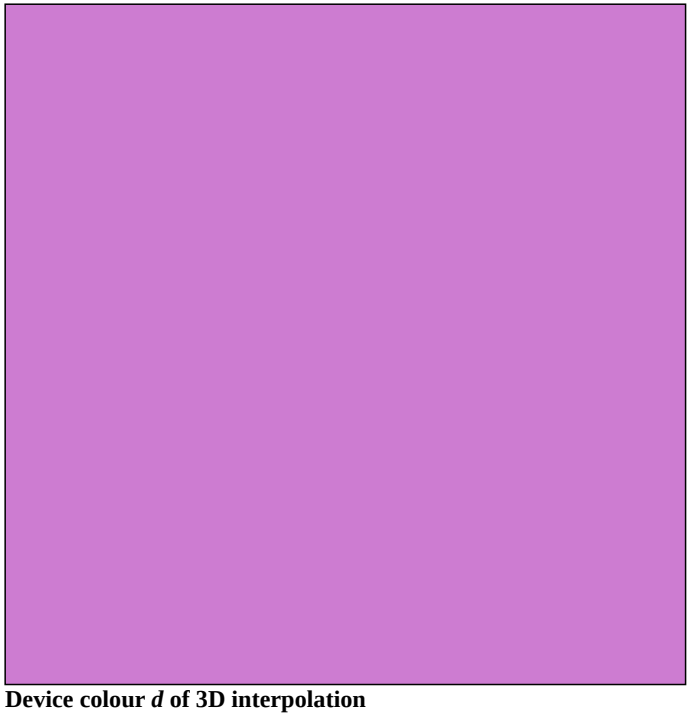
3 Colours no. *j*=519

output of the device colour *d*:

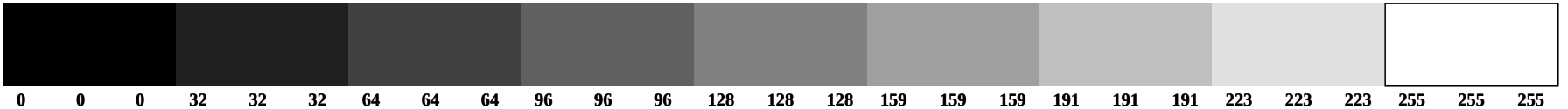
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.75	0.737	0.375	0.75	0.802	0.486	0.82
$olv^*_{Fa,\ 8bit}$	191	96	191	188	96	191	204	124	209
L^*, C^*_{ab}, h_{ab}	55.3	46.4	327.6	61.5	40.7	326.6	64.1	44.4	331.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−in:	9.6	9.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 520/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
520	0.75	0.375	0.875	316.1	47.5	111.4	315.4	79.4	−78.0	61.8	55.7	315.4	39.7	−39.0	0.125	0.5	b38r	v70m		0.696	0.0	1.0	0.723	0.375	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
520	0.75	0.375	0.875	316.1	52.9	109.2	321.4	85.4	−68.0	64.4	54.6	321.4	42.7	−34.0	0.125	0.5	b43r	v77m		0.873	0.0	1.0	0.812	0.375	0.875

3 Colours no. *j*=520

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.875	0.723	0.375	0.875	0.778	0.473	0.927
$rgb^*_{Fa,\ 8bit}$	191	96	223	184	96	223	198	121	236
L^*, C^*_{ab}, h_{ab}	56.2	57.1	319.9	61.8	55.7	315.4	67.3	57.1	319.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−it:	7.2	7.2	

3 Colours no. *j*=520

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.875	0.812	0.375	0.875	0.864	0.494	0.925
$olv^*_{Fa,\ 8bit}$	191	96	223	207	96	223	220	126	236
L^*, C^*_{ab}, h_{ab}	56.2	57.1	319.9	64.4	54.6	321.4	70.8	57.0	329.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−in:	17.7	17.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
521	0.75	0.375	1.0	306.6	37.6	118.4	306.4	70.3	−95.1	59.3	74.0	306.4	43.9	−59.4	0.0	0.625	b30r	v26m		0.258	0.0	1.0	0.536	0.375	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
521	0.75	0.375	1.0	306.6	50.9	109.9	317.8	81.4	−73.7	67.6	68.7	317.8	50.9	−46.0	0.0	0.625	b40r	v61m		0.81	0.0	1.0	0.881	0.375	1.0

3 Colours no. *j*=521

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	1.0	0.536	0.375	1.0	0.666	0.432	1.0
$rgb^*_{Fa,\ 8bit}$	191	96	255	137	96	255	170	110	255
L^*, C^*_{ab}, h_{ab}	58.7	79.9	311.8	59.3	74.0	306.4	62.4	72.6	310.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−it:	6.4	6.4	

3 Colours no. *j*=521

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	1.0	0.881	0.375	1.0	0.912	0.502	1.0
$olv^*_{Fa,\ 8bit}$	191	96	255	225	96	255	233	128	255
L^*, C^*_{ab}, h_{ab}	58.7	79.9	311.8	67.6	68.7	317.8	69.1	70.3	320.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.3	16.3	3D−in:	17.8	17.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
522	0.75	0.5	0.0	70.9	69.9	79.1	71.0	25.7	74.8	56.8	59.3	71.0	19.3	56.1	0.25	0.75	r67j	o60y		1.0	0.603	0.0	0.75	0.452	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
522	0.75	0.5	0.0	70.9	81.0	86.9	81.5	12.8	86.0	65.2	65.2	81.5	9.6	64.5	0.25	0.75	r83j	o68y		1.0	0.839	0.0	0.75	0.629	0.0

3 Colours no. *j*=522

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.5	0.0	0.75	0.452	0.0	0.797	0.443	0.013
$rgb^*_{Fa,\ 8bit}$	191	128	0	191	115	0	203	113	3
L^*, C^*_{ab}, h_{ab}	58.2	58.7	81.4	56.8	59.3	71.0	61.4	62.3	70.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	10.8	10.8	**3D−it:**	5.6	5.6	

3 Colours no. *j*=522

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.5	0.0	0.75	0.629	0.0	0.859	0.6	0.038
$olv^*_{Fa,\ 8bit}$	191	128	0	191	160	0	219	153	10
L^*, C^*_{ab}, h_{ab}	58.2	58.7	81.4	65.2	65.2	81.5	66.6	69.4	81.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	9.5	9.5	**3D−in:**	13.6	13.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
523	0.75	0.5	0.125	66.6	67.3	78.9	66.2	31.8	72.2	58.4	49.3	66.2	19.9	45.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
523	0.75	0.5	0.125	66.6	77.3	83.3	77.0	18.8	81.2	64.7	52.1	77.0	11.7	50.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.625	r60j	o54y		1.0	0.537	0.0	0.75	0.46	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.625	r76j	o61y		1.0	0.771	0.0	0.75	0.607	0.125

3 Colours no. *j*=523

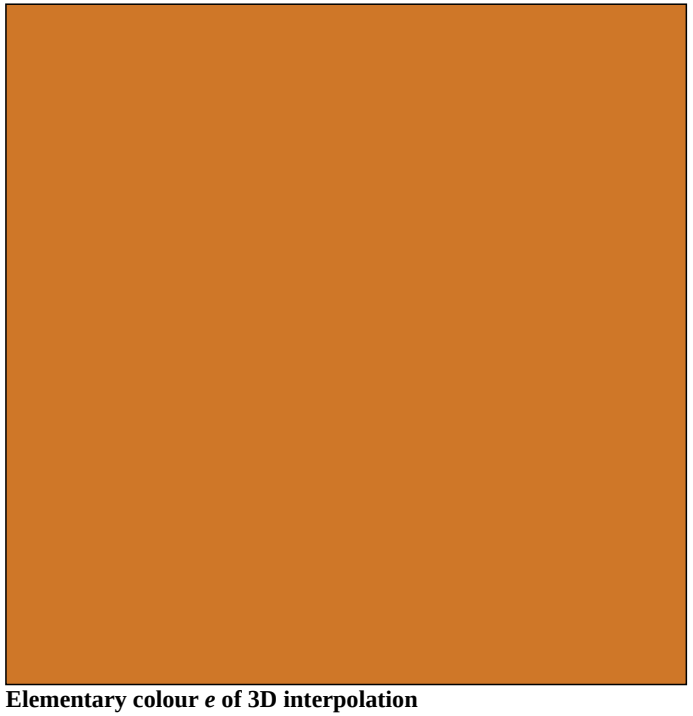
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.125	0.75	0.46	0.125	0.812	0.466	0.156
$rgb^*_{Fa,\ 8bit}$	191	128	32	191	117	32	207	119	40
L^*, C^*_{ab}, h_{ab}	58.3	49.7	78.4	58.4	49.3	66.2	64.0	53.7	64.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−it:	7.3	7.3	

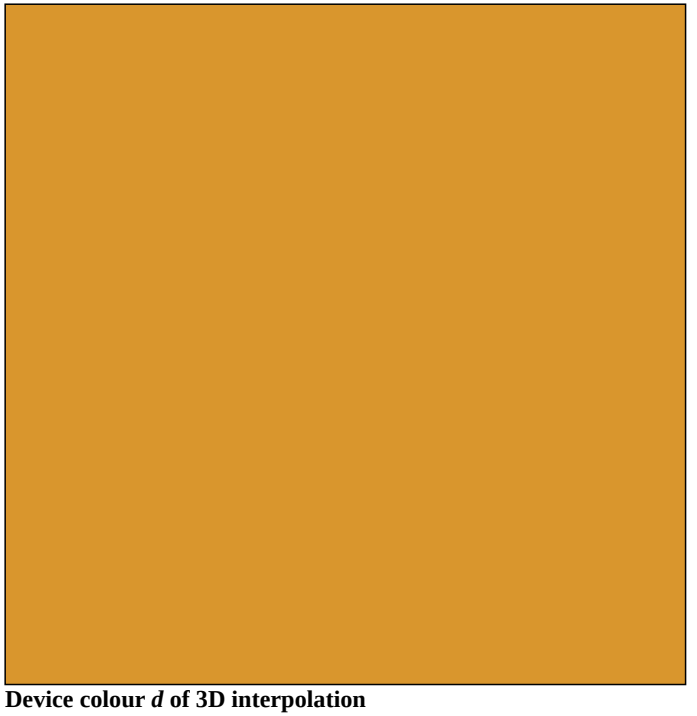
3 Colours no. *j*=523

output of the device colour *d*:

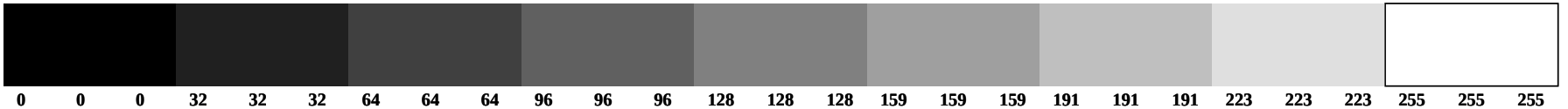
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.125	0.75	0.607	0.125	0.851	0.588	0.177
$olv^*_{Fa,\ 8bit}$	191	128	32	191	155	32	217	150	45
L^*, C^*_{ab}, h_{ab}	58.3	49.7	78.4	64.7	52.1	77.0	66.9	58.7	78.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	12.4	12.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
524	0.75	0.5	0.25	60.0	63.5	79.7	58.9	41.2	68.2	60.0	39.8	58.9	20.6	34.1	0.25	0.5	r49j	o43y		1.0	0.434	0.0	0.75	0.467	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
524	0.75	0.5	0.25	60.0	72.5	80.1	70.0	27.4	75.3	64.5	40.1	70.0	13.7	37.7	0.25	0.5	r66j	o50y		1.0	0.666	0.0	0.75	0.583	0.25

3 Colours no. *j*=524

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.25	0.75	0.467	0.25	0.826	0.49	0.251
$rgb^*_{Fa,\ 8bit}$	191	128	64	191	119	64	211	125	64
L^*, C^*_{ab}, h_{ab}	58.6	34.3	68.3	60.0	39.8	58.9	61.7	43.8	57.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−it:	4.4	4.4	

3 Colours no. *j*=524

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.25	0.75	0.583	0.25	0.845	0.582	0.278
$olv^*_{Fa,\ 8bit}$	191	128	64	191	149	64	215	149	71
L^*, C^*_{ab}, h_{ab}	58.6	34.3	68.3	64.5	40.1	70.0	67.2	46.8	72.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	15.4	15.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
525	0.75	0.5	0.375	49.1	57.2	84.2	46.7	57.7	61.3	61.6	31.6	46.7	21.6	23.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
525	0.75	0.5	0.375	49.1	65.7	78.9	58.4	41.3	67.2	64.8	29.6	58.4	15.5	25.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.375	r32j	o25y		1.0	0.246	0.0	0.75	0.467	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.375	r49j	o32y		1.0	0.493	0.0	0.75	0.56	0.375

3 Colours no. *j*=525

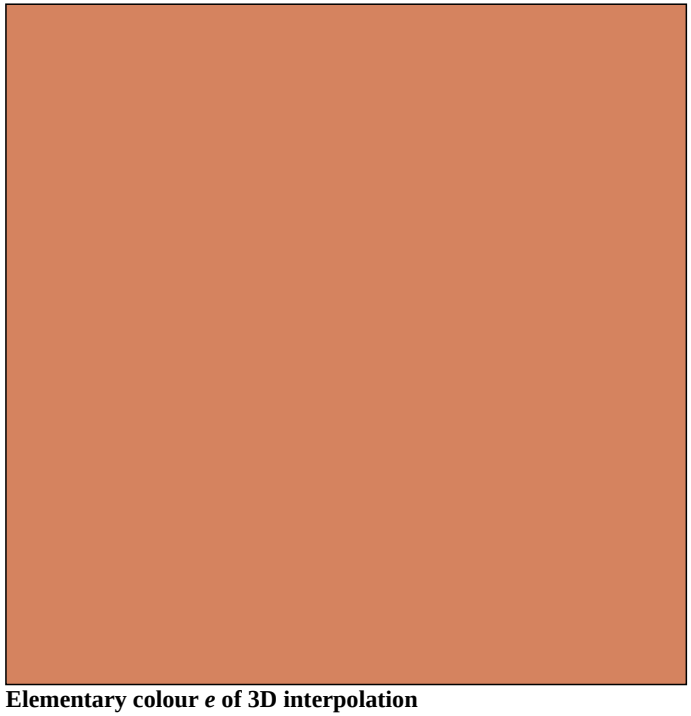
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.375	0.75	0.467	0.375	0.837	0.515	0.372
$rgb^*_{Fa,\ 8bit}$	191	128	96	191	119	96	213	131	95
L^*, C^*_{ab}, h_{ab}	59.0	23.9	49.3	61.6	31.6	46.7	62.0	35.0	41.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.2	8.2	3D−it:	4.6	4.6

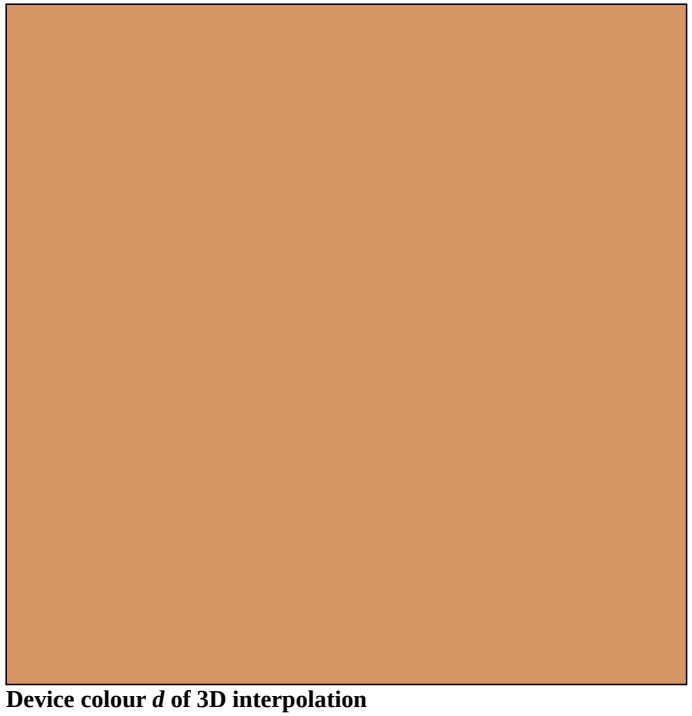
3 Colours no. *j*=525

output of the device colour *d*:

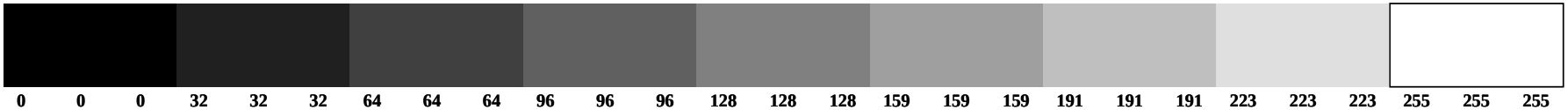
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.375	0.75	0.56	0.375	0.84	0.585	0.395
$olv^*_{Fa,\ 8bit}$	191	128	96	191	143	96	214	149	101
L^*, C^*_{ab}, h_{ab}	59.0	23.9	49.3	64.8	29.6	58.4	67.2	35.0	61.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.1	9.1	3D−in:	15.0	15.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

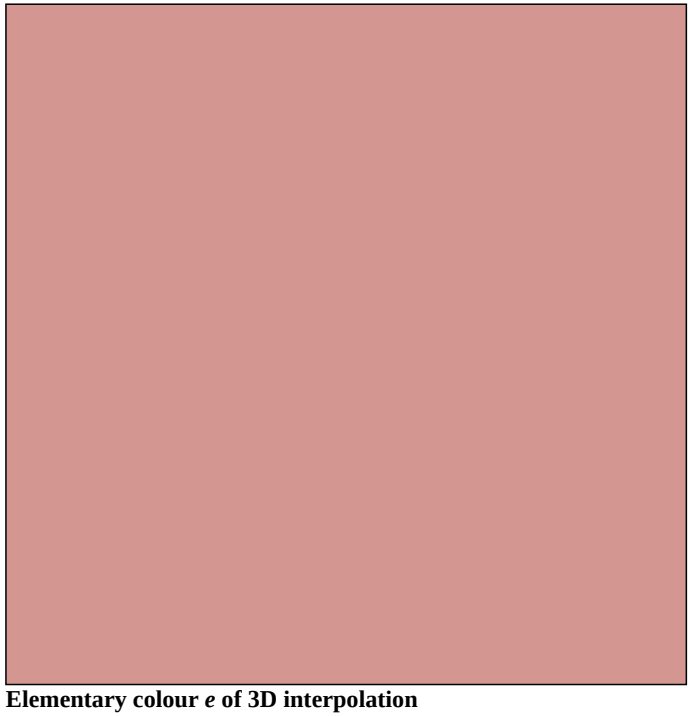
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
526	0.75	0.5	0.5	30.0	52.7	81.3	25.5	73.4	35.0	65.3	20.3	25.5	18.3	8.7	0.25	0.25	b99r	m81o		1.0	0.0	0.189	0.75	0.5	0.547
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
526	0.75	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	66.0	21.6	38.2	16.9	13.3	0.25	0.25	r19j	m100o		1.0	0.19	0.0	0.75	0.548	0.5

3 Colours no. *j*=526

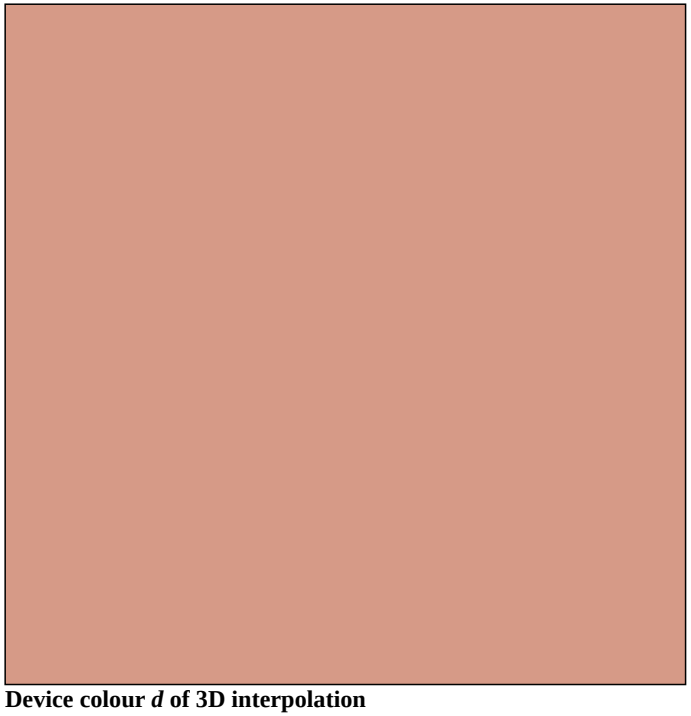
	rgb input (in):			output of the elementary colour *e*: linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.5	0.75	0.5	0.547	0.829	0.589	0.565
$rgb^*_{Fa,\ 8bit}$	191	128	128	191	128	140	211	150	144
L^*, C^*_{ab}, h_{ab}	59.4	19.8	16.5	65.3	20.3	25.5	67.9	22.4	27.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−it:	3.4	3.4	

3 Colours no. *j*=526

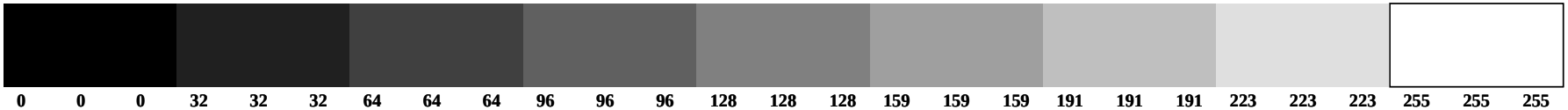
	rgb input (in):			output of the device colour *d*: linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.5	0.75	0.548	0.5	0.84	0.603	0.53
$olv^*_{Fa,\ 8bit}$	191	128	128	191	140	128	214	154	135
L^*, C^*_{ab}, h_{ab}	59.4	19.8	16.5	66.0	21.6	38.2	67.5	25.1	47.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−in:	15.3	15.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
527	0.75	0.5	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	65.6	19.5	357.0	19.5	−0.9	0.25	0.25	b75r	m47o		1.0	0.0	0.529	0.75	0.5	0.632
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
527	0.75	0.5	0.625	0.0	53.4	76.6	2.4	76.5	3.2	65.5	19.1	2.4	19.1	0.8	0.25	0.25	b79r	m50o		1.0	0.0	0.406	0.75	0.5	0.601

3 Colours no. *j*=527

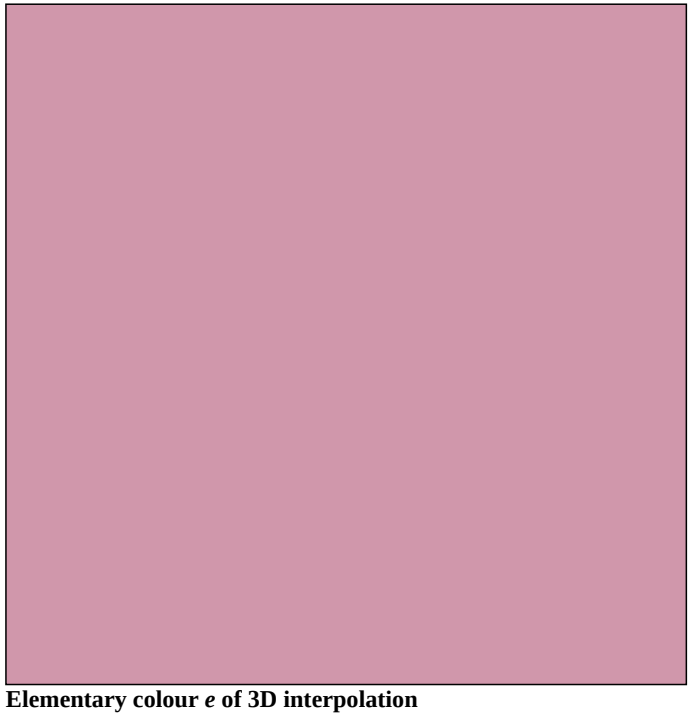
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.625	0.75	0.5	0.632	0.815	0.594	0.671
$rgb^*_{Fa,\ 8bit}$	191	128	159	191	128	161	208	151	171
L^*, C^*_{ab}, h_{ab}	59.9	23.1	346.0	65.6	19.5	357.0	68.4	23.3	4.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−it:	5.5	5.5	

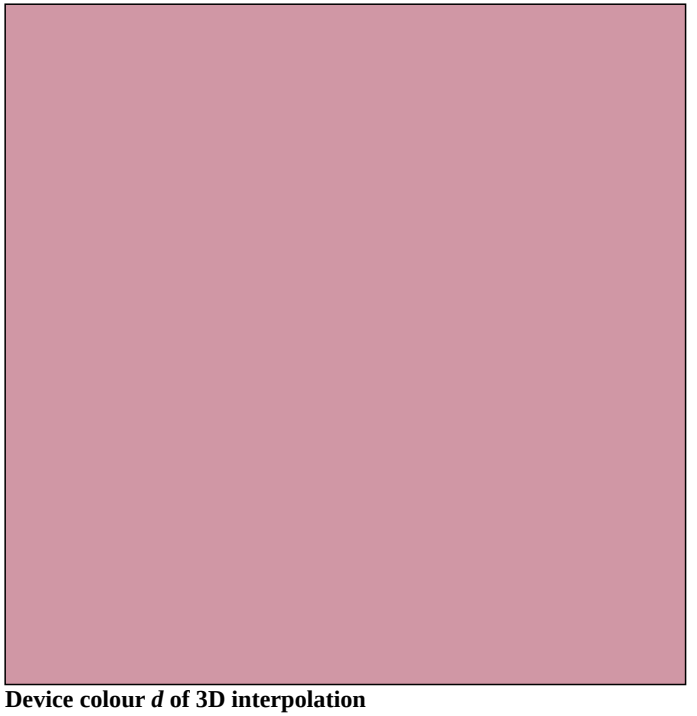
3 Colours no. *j*=527

output of the device colour *d*:

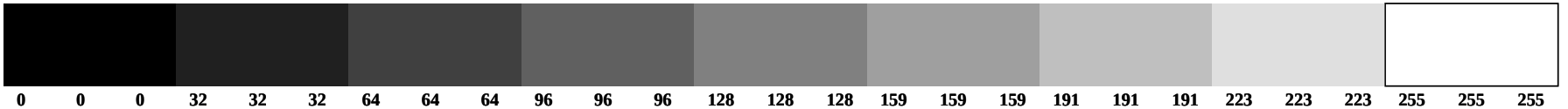
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.625	0.75	0.5	0.601	0.816	0.593	0.649
$olv^*_{Fa,\ 8bit}$	191	128	159	191	128	153	208	151	166
L^*, C^*_{ab}, h_{ab}	59.9	23.1	346.0	65.5	19.1	2.4	68.4	23.9	13.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−in:	13.9	13.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
528	0.75	0.5	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	66.6	26.3	328.6	22.5	−13.6	0.25	0.25	b50r	m02o		1.0	0.0	0.976	0.75	0.5	0.744
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
528	0.75	0.5	0.75	330.0	56.9	108.7	326.6	90.8	−59.7	66.3	27.2	326.6	22.7	−14.8	0.25	0.25	b47r	m00o		0.965	0.0	1.0	0.741	0.5	0.75

3 Colours no. *j*=528

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.75	0.75	0.5	0.744	0.808	0.605	0.814
$rgb^*_{Fa,\ 8bit}$	191	128	191	191	128	190	206	154	208
L^*, C^*_{ab}, h_{ab}	60.5	31.0	327.6	66.6	26.3	328.6	69.0	29.6	337.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	5.9	5.9	

3 Colours no. *j*=528

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.75	0.741	0.5	0.75	0.802	0.601	0.822
$olv^*_{Fa,\ 8bit}$	191	128	191	189	128	191	205	153	210
L^*, C^*_{ab}, h_{ab}	60.5	31.0	327.6	66.3	27.2	326.6	69.0	30.6	333.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−in:	9.0	9.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
529	0.75	0.5	0.875	310.9	42.3	114.4	310.5	74.3	−86.8	65.8	42.9	310.5	27.9	−32.5	0.125	0.375	b33r	v49m		0.493	0.0	1.0	0.685	0.5	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
529	0.75	0.5	0.875	310.9	51.8	109.6	319.4	83.3	−71.2	69.4	41.1	319.4	31.2	−26.6	0.125	0.375	b41r	v68m		0.839	0.0	1.0	0.815	0.5	0.875

3 Colours no. *j*=529

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.875	0.685	0.5	0.875	0.761	0.581	0.927
$rgb^*_{Fa,\ 8bit}$	191	128	223	175	128	223	194	148	237
L^*, C^*_{ab}, h_{ab}	61.3	42.1	317.1	65.8	42.9	310.5	70.3	42.1	317.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−it:	6.7	6.7	

3 Colours no. *j*=529

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.875	0.815	0.5	0.875	0.867	0.616	0.928
$olv^*_{Fa,\ 8bit}$	191	128	223	208	128	223	221	157	237
L^*, C^*_{ab}, h_{ab}	61.3	42.1	317.1	69.4	41.1	319.4	76.3	45.3	329.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	18.2	18.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
530	0.75	0.5	1.0	300.0	39.4	107.0	300.2	53.8	−92.4	67.4	53.5	300.2	26.9	−46.2	0.0	0.5	b25r	c83v		0.0	0.173	1.0	0.5	0.587	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
530	0.75	0.5	1.0	300.0	49.6	110.4	315.3	78.5	−77.5	72.5	55.2	315.3	39.3	−38.7	0.0	0.5	b38r	v50m		0.767	0.0	1.0	0.883	0.5	1.0

3 Colours no. *j*=530

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	1.0	0.5	0.587	1.0	0.699	0.617	1.0
$rgb^*_{Fa,\ 8bit}$	191	128	255	128	150	255	178	157	255
L^*, C^*_{ab}, h_{ab}	63.5	65.8	308.2	67.4	53.5	300.2	68.4	52.2	303.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−it:	3.3	3.3	

3 Colours no. *j*=530

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	1.0	0.883	0.5	1.0	0.915	0.624	1.0
$olv^*_{Fa,\ 8bit}$	191	128	255	225	128	255	233	159	255
L^*, C^*_{ab}, h_{ab}	63.5	65.8	308.2	72.5	55.2	315.3	74.1	57.0	318.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.8	15.8	3D−in:	17.4	17.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
531	0.75	0.625	0.0	81.0	76.4	82.4	82.3	11.0	81.7	61.7	61.8	82.3	8.2	61.2	0.25	0.75	r84j	o75y		1.0	0.753	0.0	0.75	0.565	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
531	0.75	0.625	0.0	81.0	93.0	102.0	92.3	−4.0	101.9	74.1	76.5	92.3	−3.0	76.4	0.25	0.75	r99j	o85y		1.0	1.0	0.0	0.75	0.75	0.0

3 Colours no. *j*=531

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.625	0.0	0.75	0.565	0.0	0.797	0.554	0.02
$rgb^*_{Fa,\ 8bit}$	191	159	0	191	144	0	203	141	5
L^*, C^*_{ab}, h_{ab}	63.8	64.8	92.8	61.7	61.8	82.3	65.3	65.0	82.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.1	12.1	3D−it:	4.8	4.8

3 Colours no. *j*=531

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.625	0.0	0.75	0.75	0.0	0.895	0.766	0.018
$olv^*_{Fa,\ 8bit}$	191	159	0	191	191	0	228	195	5
L^*, C^*_{ab}, h_{ab}	63.8	64.8	92.8	74.1	76.5	92.3	75.8	77.5	91.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.7	15.7	3D−in:	17.5	17.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
532	0.75	0.625	0.125	79.1	75.1	81.6	80.2	13.9	80.4	63.3	51.0	80.2	8.7	50.2	0.25	0.625	r81j	o72y		1.0	0.725	0.0	0.75	0.578	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
532	0.75	0.625	0.125	79.1	90.5	98.7	90.2	−0.3	98.7	72.9	61.7	90.2	−0.2	61.7	0.25	0.625	r96j	o82y		1.0	0.969	0.0	0.75	0.731	0.125

3 Colours no. *j*=532

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.625	0.125	0.75	0.578	0.125	0.809	0.579	0.165
$rgb^*_{Fa,\ 8bit}$	191	159	32	191	147	32	206	148	42
L^*, C^*_{ab}, h_{ab}	63.9	56.0	92.1	63.3	51.0	80.2	68.3	52.8	79.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.2	12.2	3D−it:	5.4	5.4	

3 Colours no. *j*=532

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.625	0.125	0.75	0.731	0.125	0.887	0.746	0.177
$olv^*_{Fa,\ 8bit}$	191	159	32	191	186	32	226	190	45
L^*, C^*_{ab}, h_{ab}	63.9	56.0	92.1	72.9	61.7	90.2	73.2	67.6	87.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	15.5	15.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
533	0.75	0.625	0.25	76.1	73.2	80.5	76.8	18.4	78.4	64.9	40.3	76.8	9.2	39.2	0.25	0.5	r76j	o68y		1.0	0.681	0.0	0.75	0.59	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
533	0.75	0.625	0.25	76.1	86.7	93.7	87.1	4.8	93.6	71.6	46.9	87.1	2.4	46.8	0.25	0.5	r91j	o77y		1.0	0.921	0.0	0.75	0.711	0.25

3 Colours no. *j*=533

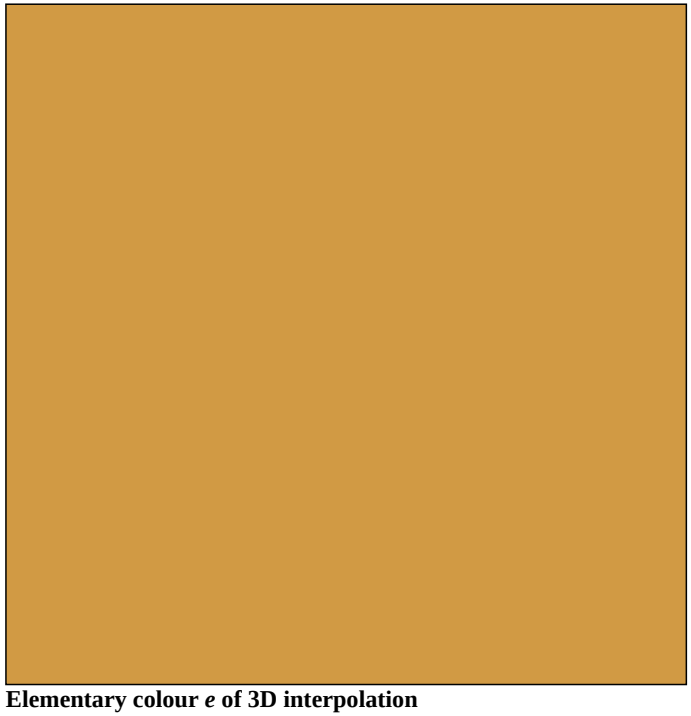
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	0.25	0.75	0.59	0.25	0.819	0.604	0.267
$rgb^*_{Fa,\ 8bit}$	191	159	64	191	151	64	209	154	68
L^*, C^*_{ab}, h_{ab}	64.2	39.6	89.0	64.9	40.3	76.8	66.9	45.5	74.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−it:	5.8	5.8	

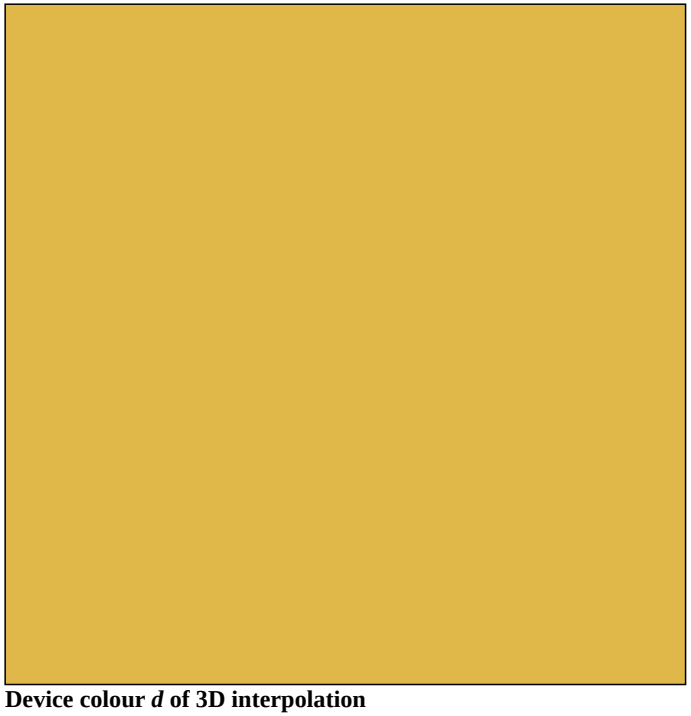
3 Colours no. *j*=533

output of the device colour *d*:

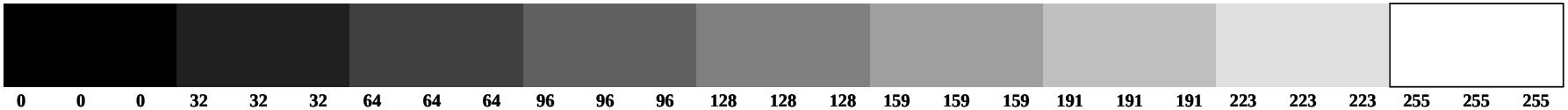
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	0.25	0.75	0.711	0.25	0.873	0.723	0.286
$olv^*_{Fa,\ 8bit}$	191	159	64	191	181	64	223	184	73
L^*, C^*_{ab}, h_{ab}	64.2	39.6	89.0	71.6	46.9	87.1	72.8	52.5	83.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	16.0	16.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
534	0.75	0.625	0.375	70.9	69.9	79.1	71.0	25.7	74.8	66.4	29.7	71.0	9.6	28.0	0.25	0.375	r67j	o60y		1.0	0.603	0.0	0.75	0.601	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
534	0.75	0.625	0.375	70.9	81.0	86.9	81.5	12.8	86.0	70.6	32.6	81.5	4.8	32.2	0.25	0.375	r83j	o68y		1.0	0.839	0.0	0.75	0.69	0.375

3 Colours no. *j*=534

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	0.375	0.75	0.601	0.375	0.749	0.658	0.445
$rgb^*_{Fa,\ 8bit}$	191	159	96	191	153	96	191	168	114
L^*, C^*_{ab}, h_{ab}	64.5	26.5	82.2	66.4	29.7	71.0	67.2	33.9	65.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−it:	5.4	5.4	

3 Colours no. *j*=534

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	0.375	0.75	0.69	0.375	0.677	0.757	0.528
$olv^*_{Fa,\ 8bit}$	191	159	96	191	176	96	173	193	135
L^*, C^*_{ab}, h_{ab}	64.5	26.5	82.2	70.6	32.6	81.5	73.3	37.7	82.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−in:	14.2	14.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
535	0.75	0.625	0.5	60.0	63.5	79.7	58.9	41.2	68.2	68.0	19.9	58.9	10.3	17.1	0.25	0.25	r49j	o43y		1.0	0.434	0.0	0.75	0.608	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
535	0.75	0.625	0.5	60.0	72.5	80.1	70.0	27.4	75.3	70.2	20.0	70.0	6.9	18.8	0.25	0.25	r66j	o50y		1.0	0.666	0.0	0.75	0.666	0.5

3 Colours no. *j*=535

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	0.5	0.75	0.608	0.5	0.741	0.684	0.582
$rgb^*_{Fa,\ 8bit}$	191	159	128	191	155	128	189	174	148
L^*, C^*_{ab}, h_{ab}	64.9	15.5	64.2	68.0	19.9	58.9	71.1	24.4	55.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−it:	5.6	5.6	

3 Colours no. *j*=535

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	0.5	0.75	0.666	0.5	0.747	0.727	0.6
$olv^*_{Fa,\ 8bit}$	191	159	128	191	170	128	190	185	153
L^*, C^*_{ab}, h_{ab}	64.9	15.5	64.2	70.2	20.0	70.0	73.7	22.8	71.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−in:	11.6	11.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
536	0.75	0.625	0.625	30.0	52.7	81.3	25.5	73.4	34.9	70.6	10.2	25.5	9.2	4.4	0.25	0.125	b99r	m81o		1.0	0.0	0.189	0.75	0.625	0.649
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
536	0.75	0.625	0.625	30.0	55.6	86.2	38.2	67.8	53.3	71.0	10.8	38.2	8.5	6.7	0.25	0.125	r19j	m100o		1.0	0.19	0.0	0.75	0.649	0.625

3 Colours no. *j*=536

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	0.625	0.75	0.625	0.649	0.813	0.702	0.697
$rgb^*_{Fa,\ 8bit}$	191	159	159	191	159	165	207	179	178
L^*, C^*_{ab}, h_{ab}	65.3	10.5	15.3	70.6	10.2	25.5	74.1	11.6	26.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−it:	3.8	3.8	

3 Colours no. *j*=536

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	0.625	0.75	0.649	0.625	0.82	0.709	0.679
$olv^*_{Fa,\ 8bit}$	191	159	159	191	165	159	209	181	173
L^*, C^*_{ab}, h_{ab}	65.3	10.5	15.3	71.0	10.8	38.2	74.1	13.3	38.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−in:	10.4	10.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
537	0.75	0.625	0.75	330.0	57.9	105.2	328.6	89.9	−54.7	71.3	13.2	328.6	11.2	−6.7	0.25	0.125	b50r	m02o		1.0	0.0	0.975	0.75	0.625	0.747
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
537	0.75	0.625	0.75	330.0	56.9	108.7	326.7	90.8	−59.6	71.2	13.6	326.7	11.3	−7.4	0.25	0.125	b47r	m00o		0.966	0.0	1.0	0.746	0.625	0.75

3 Colours no. *j*=537

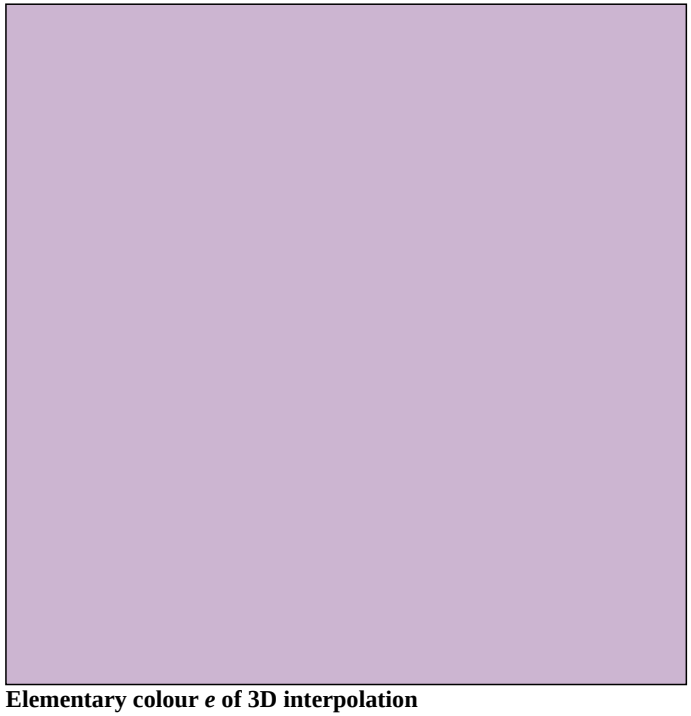
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	0.75	0.75	0.625	0.747	0.8	0.71	0.819
$rgb^*_{Fa,\ 8bit}$	191	159	191	191	159	190	204	181	209
L^*, C^*_{ab}, h_{ab}	65.8	16.1	329.5	71.3	13.2	328.6	74.7	15.8	335.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−it:	4.6	4.6	

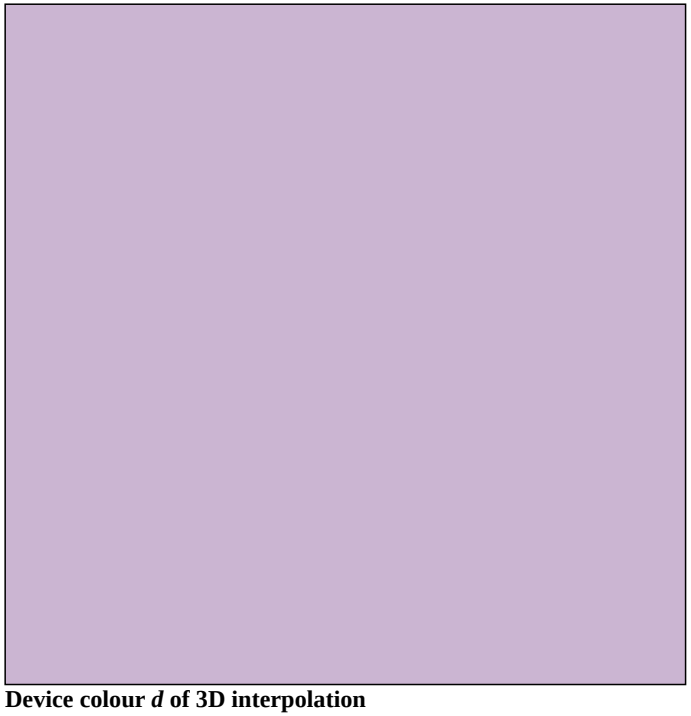
3 Colours no. *j*=537

output of the device colour *d*:

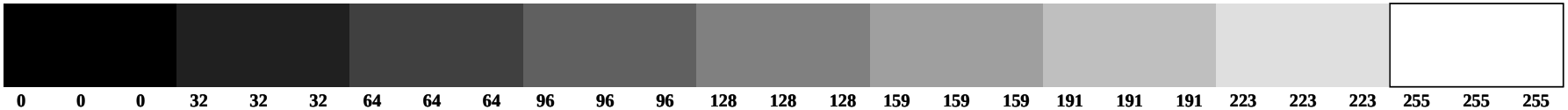
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	0.75	0.746	0.625	0.75	0.797	0.708	0.823
$olv^*_{Fa,\ 8bit}$	191	159	191	190	159	191	203	181	210
L^*, C^*_{ab}, h_{ab}	65.8	16.1	329.5	71.2	13.6	326.7	74.7	16.0	333.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−in:	8.9	8.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
538	0.75	0.625	0.875	300.0	39.4	107.1	300.2	53.9	−92.5	71.7	26.8	300.2	13.5	−23.0	0.125	0.25	b25r	c83v		0.0	0.173	1.0	0.625	0.668	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
538	0.75	0.625	0.875	300.0	49.6	110.3	315.4	78.5	−77.4	74.2	27.6	315.4	19.6	−19.3	0.125	0.25	b38r	v50m		0.767	0.0	1.0	0.817	0.625	0.875

3 Colours no. *j*=538

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	0.875	0.625	0.668	0.875	0.753	0.716	0.928
$rgb^*_{Fa,\ 8bit}$	191	159	223	159	170	223	192	183	237
L^*, C^*_{ab}, h_{ab}	66.5	27.5	312.5	71.7	26.8	300.2	76.9	27.5	312.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−it:	7.8	7.8	

3 Colours no. *j*=538

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	0.875	0.817	0.625	0.875	0.862	0.727	0.93
$olv^*_{Fa,\ 8bit}$	191	159	223	208	159	223	220	185	237
L^*, C^*_{ab}, h_{ab}	66.5	27.5	312.5	74.2	27.6	315.4	79.4	31.6	329.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.8	7.8	3D−in:	16.2	16.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
539	0.75	0.625	1.0	289.1	49.2	80.6	289.9	27.4	−75.7	78.1	30.2	289.9	10.3	−28.3	0.0	0.375	b16r	c62v		0.0	0.383	1.0	0.625	0.769	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
539	0.75	0.625	1.0	289.1	47.5	111.4	311.3	73.5	−83.7	77.4	41.8	311.3	27.5	−31.3	0.0	0.375	b34r	v32m		0.695	0.0	1.0	0.886	0.625	1.0

3 Colours no. *j*=539

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	1.0	0.625	0.769	1.0	0.779	0.811	1.0
$rgb^*_{Fa,\ 8bit}$	191	159	255	159	196	255	199	207	255
L^*, C^*_{ab}, h_{ab}	68.4	52.2	303.2	78.1	30.2	289.9	83.0	23.2	300.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	25.7	25.7	3D−it:	9.9	9.9

3 Colours no. *j*=539

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	1.0	0.886	0.625	1.0	0.913	0.747	1.0
$olv^*_{Fa,\ 8bit}$	191	159	255	226	159	255	233	191	255
L^*, C^*_{ab}, h_{ab}	68.4	52.2	303.2	77.4	41.8	311.3	78.6	44.3	316.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.2	15.2	3D−in:	16.8	16.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 540/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
540	0.75	0.75	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	67.2	67.3	92.3	−2.6	67.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
540	0.75	0.75	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	72.0	76.7	101.8	−15.6	75.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.75	r99j	o88y		1.0	0.884	0.0	0.75	0.663	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.75	j13g	o100y		0.864	1.0	0.0	0.648	0.75	0.0

3 Colours no. *j*=540

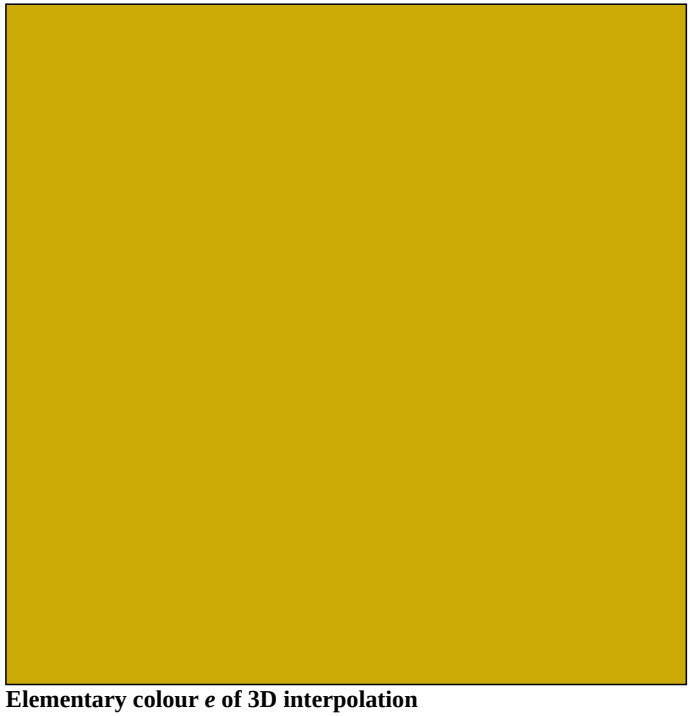
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.0	0.75	0.663	0.0	0.8	0.67	0.024
$rgb^*_{Fa,\ 8bit}$	191	191	0	191	169	0	204	171	6
L^*, C^*_{ab}, h_{ab}	70.1	73.6	102.1	67.2	67.3	92.3	70.6	69.9	91.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.8	13.8	3D−it:	4.3	4.3	

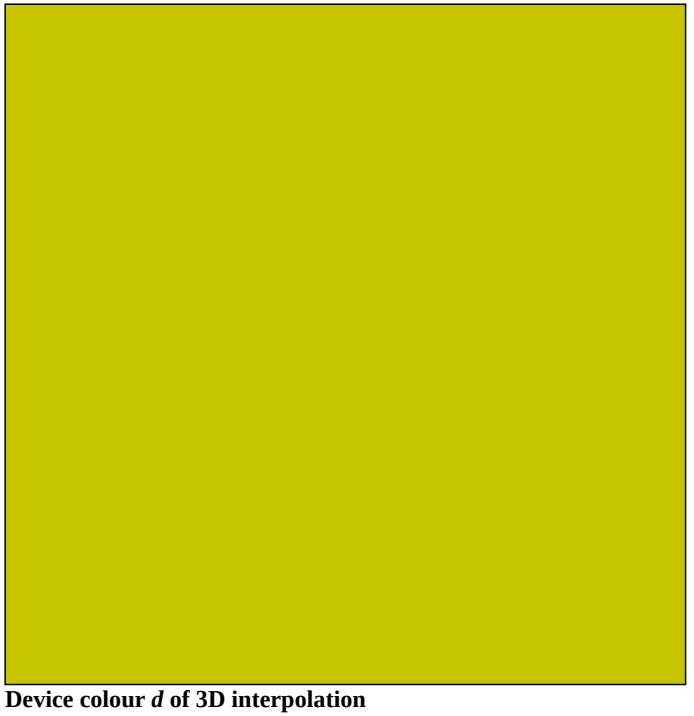
3 Colours no. *j*=540

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.0	0.648	0.75	0.0	0.775	0.773	0.0
$olv^*_{Fa,\ 8bit}$	191	191	0	165	191	0	198	197	0
L^*, C^*_{ab}, h_{ab}	70.1	73.6	102.1	72.0	76.7	101.8	73.9	79.6	101.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	7.2	7.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
541	0.75	0.75	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	68.7	56.1	92.3	−2.2	56.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
541	0.75	0.75	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	72.7	63.9	101.8	−13.0	62.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.625	r99j	o88y		1.0	0.884	0.0	0.75	0.678	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.625	j13g	o100y		0.864	1.0	0.0	0.665	0.75	0.125

3 Colours no. *j*=541

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.125	0.75	0.678	0.125	0.81	0.692	0.174
$rgb^*_{Fa,\ 8bit}$	191	191	32	191	173	32	206	176	44
L^*, C^*_{ab}, h_{ab}	70.2	65.4	102.6	68.7	56.1	92.3	72.8	60.0	90.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.3	14.3	3D−it:	5.9	5.9	

3 Colours no. *j*=541

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.125	0.665	0.75	0.125	0.787	0.777	0.162
$olv^*_{Fa,\ 8bit}$	191	191	32	170	191	32	201	198	41
L^*, C^*_{ab}, h_{ab}	70.2	65.4	102.6	72.7	63.9	101.8	75.1	64.9	100.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−in:	5.4	5.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$	n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$	$olv^*_{3Fae,it}$
542	0.75 0.75 0.25	90.0	83.7 89.8 92.3 −3.5 89.7	70.1 44.9 92.3 −1.7 44.9	0.25	0.5	r99j	o88y		1.0 0.884 0.0	0.75 0.692 0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$	n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$	$rgb^*_{3Fad,it}$
542	0.75 0.75 0.25	90.0	90.1 102.2 101.8 −20.8 100.0	73.3 51.1 101.8 −10.3 50.0	0.25	0.5	j13g	o100y		0.864 1.0 0.0	0.682 0.75 0.25

3 Colours no. *j*=542

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.25	0.75	0.692	0.25	0.816	0.715	0.283
$rgb^*_{Fa,\ 8bit}$	191	191	64	191	176	64	208	182	72
L^*, C^*_{ab}, h_{ab}	70.5	49.8	103.7	70.1	44.9	92.3	73.0	50.4	88.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	7.2	7.2	

3 Colours no. *j*=542

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.25	0.682	0.75	0.25	0.804	0.78	0.272
$olv^*_{Fa,\ 8bit}$	191	191	64	174	191	64	205	199	69
L^*, C^*_{ab}, h_{ab}	70.5	49.8	103.7	73.3	51.1	101.8	76.2	52.4	100.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	7.0	7.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
543	0.75	0.75	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	71.6	33.7	92.3	−1.2	33.6
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
543	0.75	0.75	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	74.0	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.375	r99j	o88y		1.0	0.884	0.0	0.75	0.707	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.375	j13g	o100y		0.864	1.0	0.0	0.699	0.75	0.375

3 Colours no. *j*=543

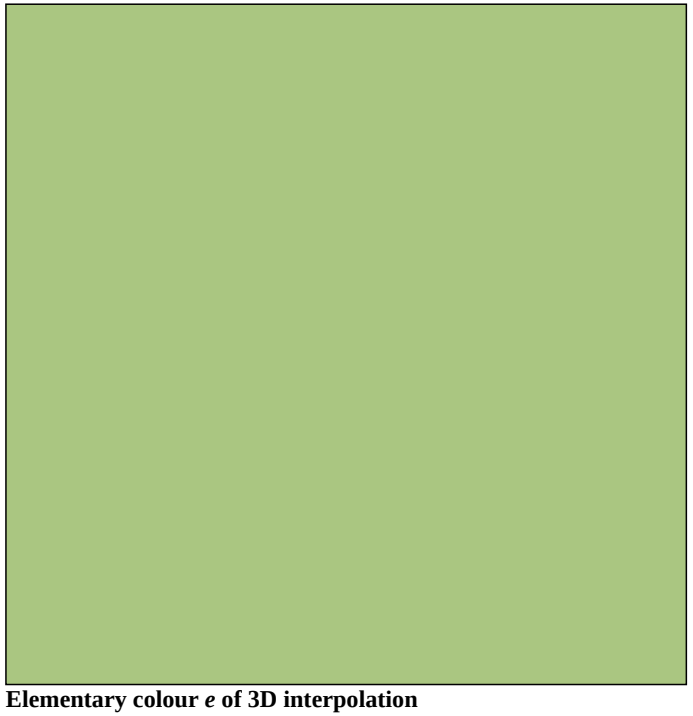
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.375	0.75	0.707	0.375	0.668	0.778	0.507
$rgb^*_{Fa,\ 8bit}$	191	191	96	191	180	96	170	198	129
L^*, C^*_{ab}, h_{ab}	70.7	36.6	104.3	71.6	33.7	92.3	73.3	40.4	83.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.9	7.9	3D−it:	8.9	8.9

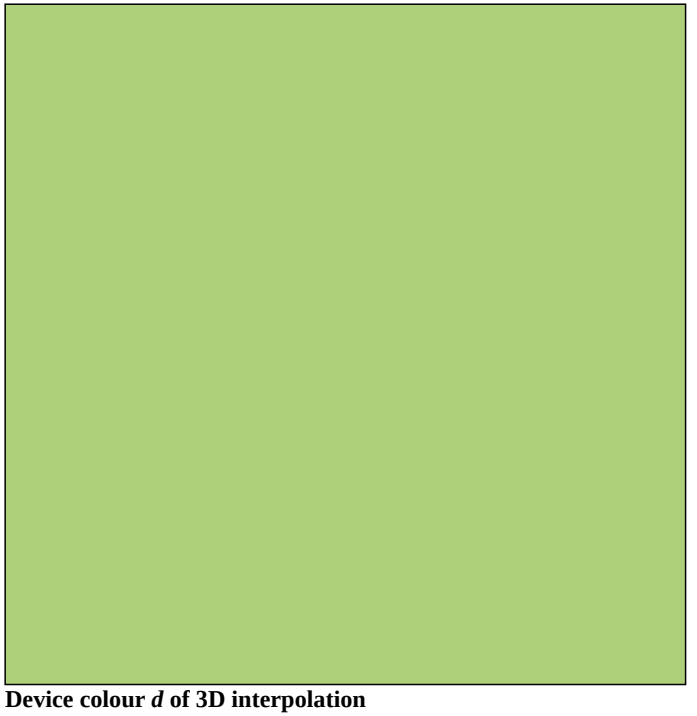
3 Colours no. *j*=543

output of the device colour *d*:

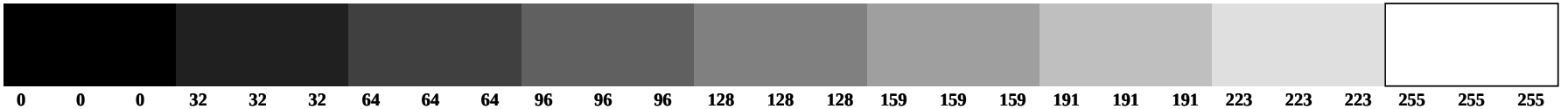
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.375	0.699	0.75	0.375	0.686	0.814	0.48
$olv^*_{Fa,\ 8bit}$	191	191	96	178	191	96	175	208	122
L^*, C^*_{ab}, h_{ab}	70.7	36.6	104.3	74.0	38.3	101.8	77.2	40.1	99.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.0	4.0	3D−in:	8.0	8.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
544	0.75	0.75	0.5	90.0	83.7	89.8	92.3	−3.5	89.7	73.0	22.4	92.3	−0.8	22.4
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
544	0.75	0.75	0.5	90.0	90.1	102.2	101.8	−20.8	100.0	74.7	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.25	r99j	o88y		1.0	0.884	0.0	0.75	0.721	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.25	j13g	o100y		0.865	1.0	0.0	0.716	0.75	0.5

3 Colours no. *j*=544

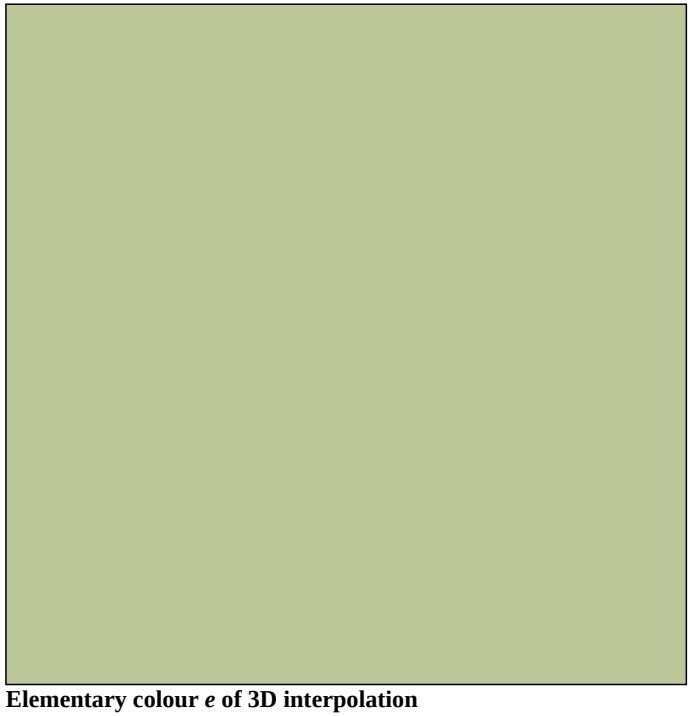
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.5	0.75	0.721	0.5	0.736	0.782	0.599
$rgb^*_{Fa,\ 8bit}$	191	191	128	191	184	128	188	199	153
L^*, C^*_{ab}, h_{ab}	71.1	77.9	53.6	73.0	22.4	92.3	73.3	27.5	80.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	62.0	62.0	3D−it:	7.1	7.1

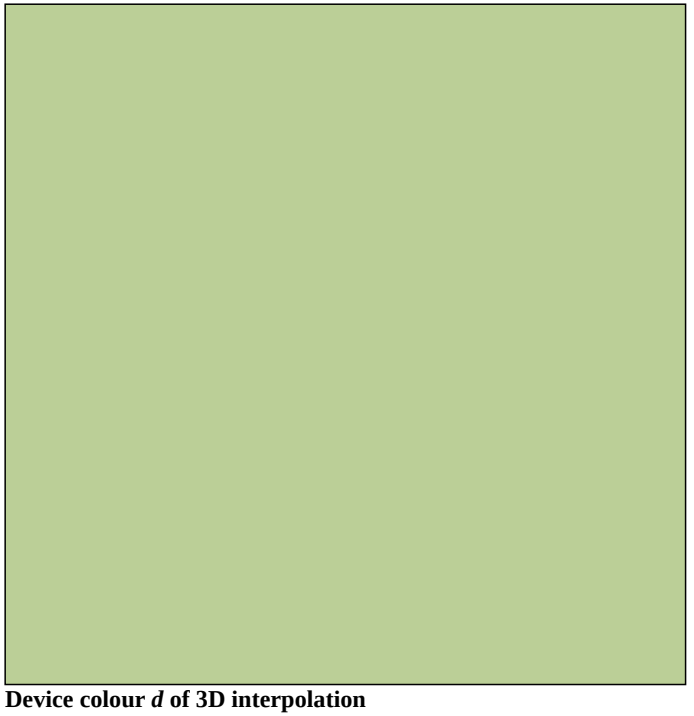
3 Colours no. *j*=544

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.5	0.716	0.75	0.5	0.733	0.81	0.591
$olv^*_{Fa,\ 8bit}$	191	191	128	183	191	128	187	207	151
L^*, C^*_{ab}, h_{ab}	71.1	77.9	53.6	74.7	25.6	101.8	80.7	27.0	97.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	63.9	63.9	3D−in:	62.2	62.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 545/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
545	0.75	0.75	0.625	90.0	83.7	89.7	92.3	−3.4	89.7	74.5	11.2	92.3	−0.3	11.2	0.25	0.125	r99j	o88y		1.0	0.884	0.0	0.75	0.735	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
545	0.75	0.75	0.625	90.0	90.1	102.2	101.8	−20.7	100.1	75.3	12.8	101.8	−2.5	12.5	0.25	0.125	j13g	o100y		0.865	1.0	0.0	0.733	0.75	0.625

3 Colours no. *j*=545

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.625	0.75	0.735	0.625	0.803	0.782	0.688
$rgb^*_{Fa,\ 8bit}$	191	191	159	191	188	159	205	200	175
L^*, C^*_{ab}, h_{ab}	71.4	12.6	102.5	74.5	11.2	92.3	77.6	12.4	81.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.0	4.0	3D−it:	4.0	4.0

3 Colours no. *j*=545

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.625	0.733	0.75	0.625	0.798	0.798	0.687
$olv^*_{Fa,\ 8bit}$	191	191	159	187	191	159	203	204	175
L^*, C^*_{ab}, h_{ab}	71.4	12.6	102.5	75.3	12.8	101.8	79.2	13.0	101.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.9	3.9	3D−in:	7.8	7.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
546	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
546	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. *j*=546

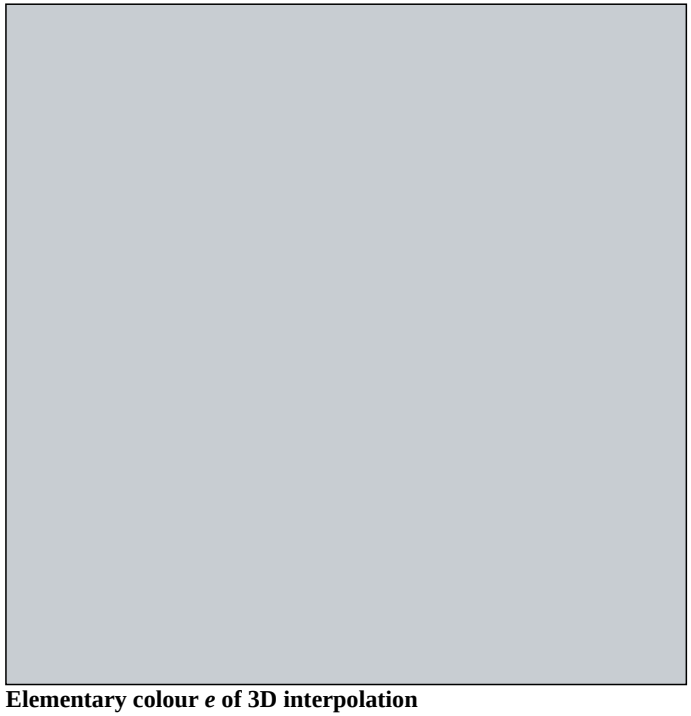
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	71.9	1.6	55.0	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.4	4.4	3D−it:	4.4	4.4	

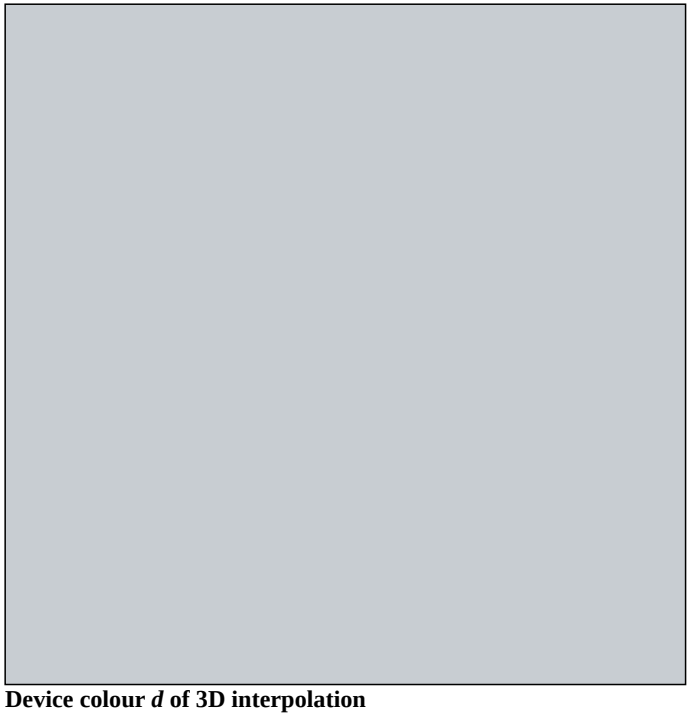
3 Colours no. *j*=546

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	71.9	1.6	55.0	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.4	4.4	3D−in:	8.2	8.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
547	0.75	0.75	0.875	270.0	60.4	57.4	271.8	1.8	−57.2	81.3	7.2	271.8	0.2	−7.1	0.125	0.125	b00r	c39v		0.0	0.613	1.0	0.75	0.827	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
547	0.75	0.75	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	79.3	14.2	304.1	7.9	−11.6	0.125	0.125	b28r	v00m		0.569	0.0	1.0	0.821	0.75	0.875

3 Colours no. *j*=547

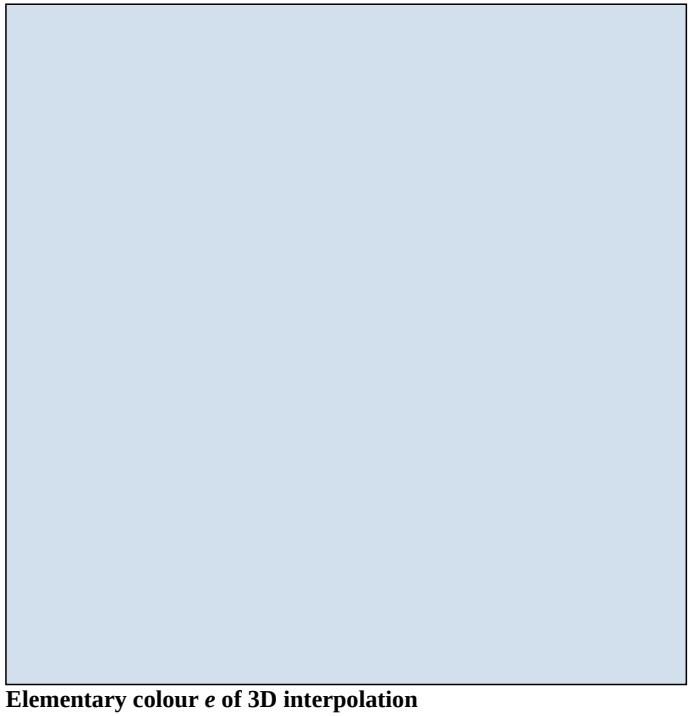
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.75	0.875	0.75	0.827	0.875	0.824	0.874	0.925
$rgb^*_{Fa,\ 8bit}$	191	191	223	191	211	223	210	223	236
L^*, C^*_{ab}, h_{ab}	72.5	12.1	296.8	81.3	7.2	271.8	83.0	9.3	3.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−it:	12.0	12.0	

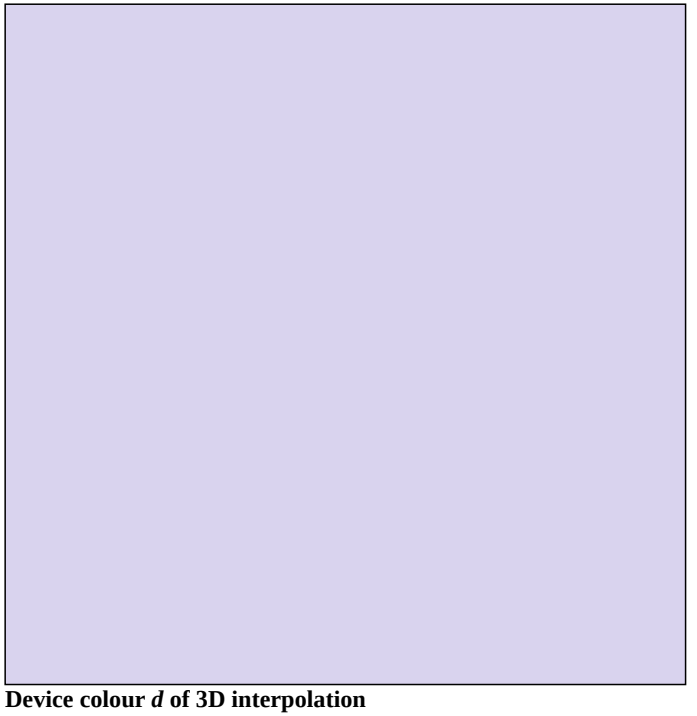
3 Colours no. *j*=547

output of the device colour *d*:

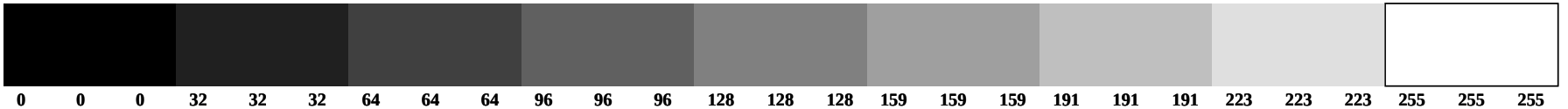
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.75	0.875	0.821	0.75	0.875	0.852	0.827	0.932
$olv^*_{Fa,\ 8bit}$	191	191	223	209	191	223	217	211	238
L^*, C^*_{ab}, h_{ab}	72.5	12.1	296.8	79.3	14.2	304.1	83.9	16.0	333.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−in:	14.9	14.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
548	0.75	0.75	1.0	270.0	60.4	57.3	271.8	1.8	−57.2	86.7	14.3	271.8	0.4	−14.2	0.0	0.25	b00r	c39v		0.0	0.613	1.0	0.75	0.903	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
548	0.75	0.75	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	82.6	28.3	304.1	15.9	−23.4	0.0	0.25	b28r	v00m		0.569	0.0	1.0	0.892	0.75	1.0

3 Colours no. *j*=548

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	1.0	0.75	0.903	1.0	0.862	0.923	1.0
$rgb^*_{Fa,\ 8bit}$	191	191	255	191	230	255	220	235	255
L^*, C^*_{ab}, h_{ab}	74.2	37.6	294.2	86.7	14.3	271.8	90.4	12.3	315.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	28.0	28.0	3D−it:	10.7	10.7

3 Colours no. *j*=548

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	1.0	0.892	0.75	1.0	0.91	0.848	1.0
$olv^*_{Fa,\ 8bit}$	191	191	255	227	191	255	232	216	255
L^*, C^*_{ab}, h_{ab}	74.2	37.6	294.2	82.6	28.3	304.1	83.0	30.4	319.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.8	13.8	3D−in:	18.4	18.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
549	0.75	0.875	0.0	97.6	92.3	101.2	101.1	−19.5	99.2	83.0	88.5	101.1	−17.0	86.8	0.125	0.875	j13g	o99y		1.0	0.992	0.0	0.875	0.868	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
549	0.75	0.875	0.0	97.6	89.4	102.9	105.7	−27.7	99.1	80.5	90.1	105.7	−24.3	86.7	0.125	0.875	j19g	y13l		0.809	1.0	0.0	0.708	0.875	0.0

3 Colours no. *j*=549

output of the elementary colour *e*:

rgb input (in):								
	0.75	0.875	0.0	0.875	0.868	0.0	0.911	0.903	0.018
rgb^*_{Fa}	191	223	0	223	221	0	232	230	5
$rgb^*_{Fa,\ 8bit}$	77.7	85.4	109.5	83.0	88.5	101.1	86.4	91.6	100.5
L^*, C^*_{ab}, h_{ab}				it−in:	14.1	14.1	3D−it:	4.7	4.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$									

3 Colours no. *j*=549

output of the device colour *d*:

rgb input (in):									
	0.75	0.875	0.0	0.708	0.875	0.0	0.829	0.893	0.0
olv^*_{Fa}	191	223	0	180	223	0	211	228	0
$olv^*_{Fa,\ 8bit}$	77.7	85.4	109.5	80.5	90.1	105.7	81.3	91.6	101.0
L^*, C^*_{ab}, h_{ab}				it−in:	8.0	8.0	3D−in:	14.9	14.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$									

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
550	0.75	0.875	0.125	98.9	92.7	102.0	102.7	−22.4	99.5	83.6	76.5	102.7	−16.8	74.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
550	0.75	0.875	0.125	98.9	89.3	103.1	106.4	−29.0	98.9	81.1	77.3	106.4	−21.7	74.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.75	j15g	y01l		0.986	1.0	0.0	0.865	0.875	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.75	j20g	y15l		0.799	1.0	0.0	0.724	0.875	0.125

3 Colours no. *j*=550

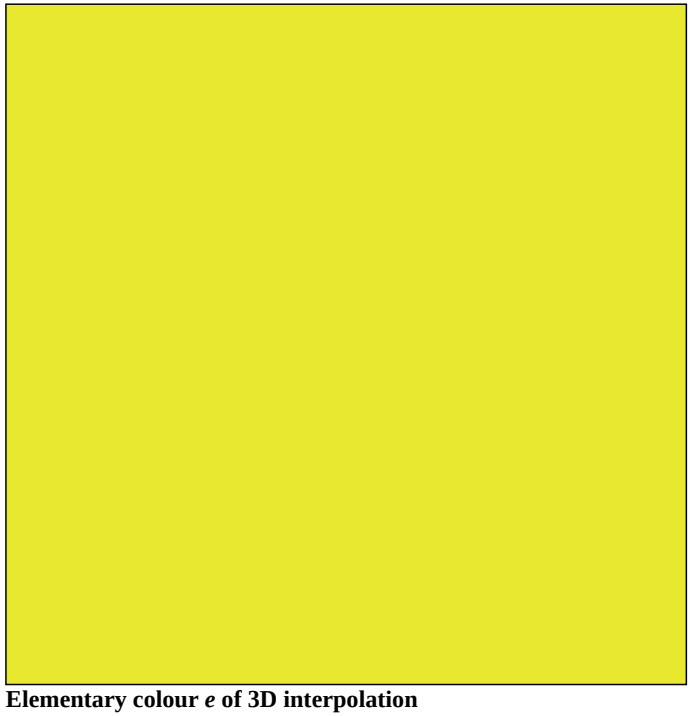
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.875	0.125	0.865	0.875	0.125	0.908	0.91	0.186
$rgb^*_{Fa,\ 8bit}$	191	223	32	221	223	32	231	232	47
L^*, C^*_{ab}, h_{ab}	77.8	78.2	110.5	83.6	76.5	102.7	87.5	78.2	102.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−it:	4.3	4.3	

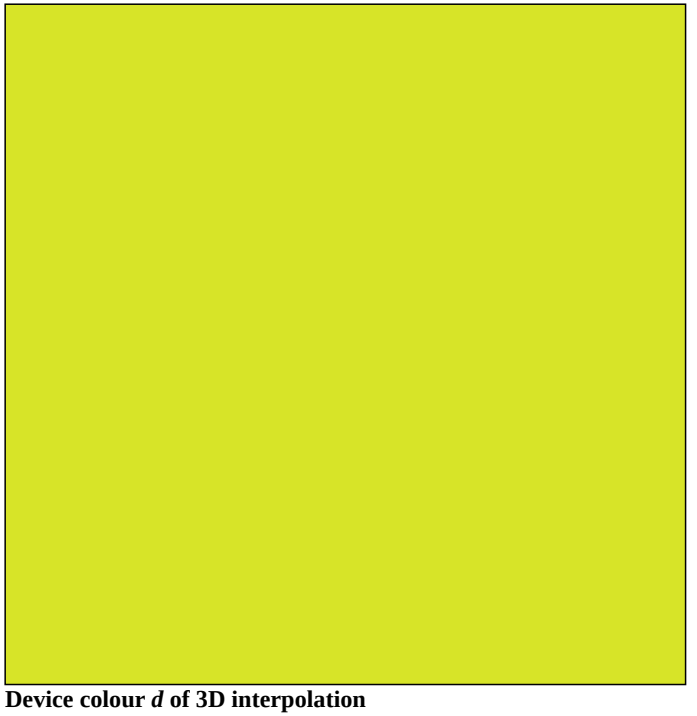
3 Colours no. *j*=550

output of the device colour *d*:

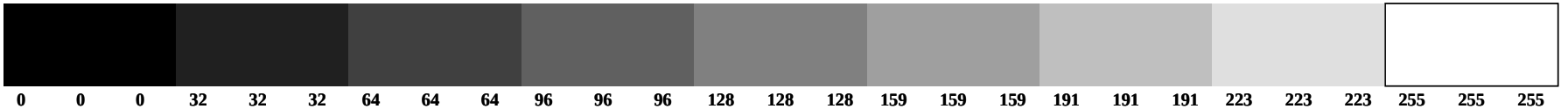
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.875	0.125	0.724	0.875	0.125	0.842	0.896	0.158
$olv^*_{Fa,\ 8bit}$	191	223	32	185	223	32	215	228	40
L^*, C^*_{ab}, h_{ab}	77.8	78.2	110.5	81.1	77.3	106.4	82.5	78.2	102.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−in:	12.3	12.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
551	0.75	0.875	0.25	100.9	91.9	102.0	105.0	−26.3	98.6	83.5	63.8	105.0	−16.4	61.6	0.125	0.625	j18g	y05l		0.953	1.0	0.0	0.845	0.875	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
551	0.75	0.875	0.25	100.9	89.1	103.3	107.4	−30.7	98.6	81.8	64.5	107.4	−19.2	61.6	0.125	0.625	j21g	y18l		0.785	1.0	0.0	0.74	0.875	0.25

3 Colours no. *j*=551

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.875	0.25	0.845	0.875	0.25	0.924	0.902	0.282
$rgb^*_{Fa,\ 8bit}$	191	223	64	216	223	64	236	230	72
L^*, C^*_{ab}, h_{ab}	78.0	63.8	113.1	83.5	63.8	105.0	87.1	63.6	103.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	4.2	4.2	

3 Colours no. *j*=551

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.875	0.25	0.74	0.875	0.25	0.881	0.894	0.264
$olv^*_{Fa,\ 8bit}$	191	223	64	189	223	64	225	228	67
L^*, C^*_{ab}, h_{ab}	78.0	63.8	113.1	81.8	64.5	107.4	83.6	63.6	103.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−in:	12.5	12.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
552	0.75	0.875	0.375	103.9	90.8	102.1	108.5	−32.3	96.8	83.4	51.0	108.5	−16.1	48.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
552	0.75	0.875	0.375	103.9	88.8	103.6	108.9	−33.5	98.0	82.4	51.8	108.9	−16.7	49.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.5	j23g	y10l		0.9	1.0	0.0	0.825	0.875	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.5	j24g	y23l		0.763	1.0	0.0	0.756	0.875	0.375

3 Colours no. *j*=552

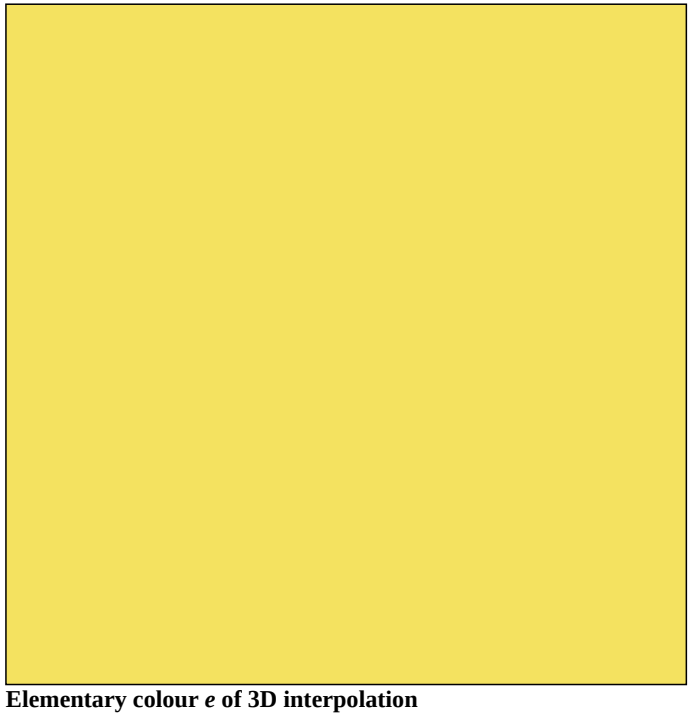
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.875	0.375	0.825	0.875	0.375	0.957	0.888	0.377
$rgb^*_{Fa,\ 8bit}$	191	223	96	210	223	96	244	227	96
L^*, C^*_{ab}, h_{ab}	78.2	51.4	116.0	83.4	51.0	108.5	88.6	51.5	101.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−it:	8.5	8.5	

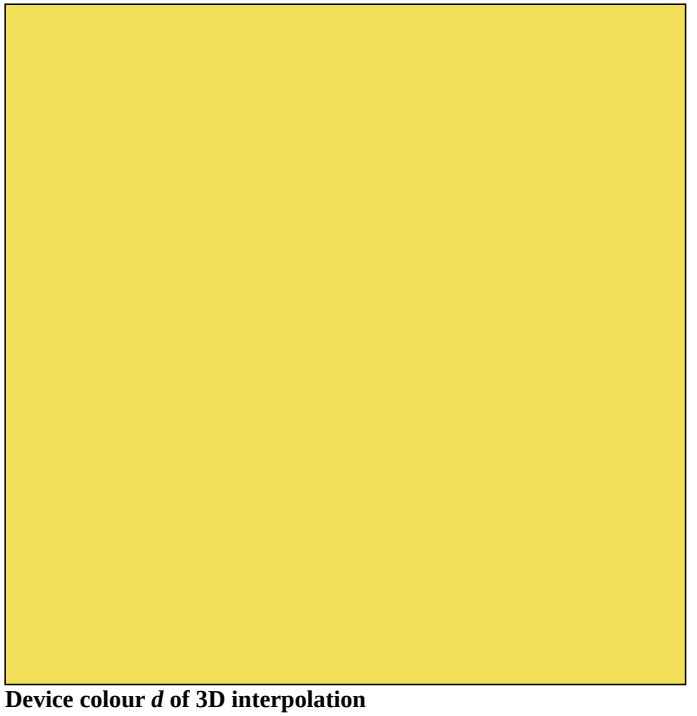
3 Colours no. *j*=552

output of the device colour *d*:

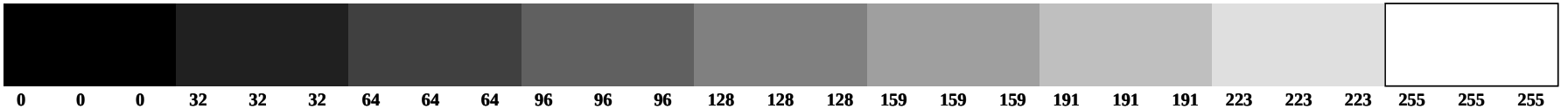
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.875	0.375	0.756	0.875	0.375	0.949	0.879	0.354
$olv^*_{Fa,\ 8bit}$	191	223	96	193	223	96	242	224	90
L^*, C^*_{ab}, h_{ab}	78.2	51.4	116.0	82.4	51.8	108.9	86.6	52.9	102.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−in:	15.3	15.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
553	0.75	0.875	0.5	109.1	89.1	103.3	114.6	−42.8	94.0	83.3	38.7	114.6	−16.0	35.2	0.125	0.375	j31g	y22l		0.78	1.0	0.0	0.792	0.875	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
553	0.75	0.875	0.5	109.1	88.4	104.2	111.6	−38.2	96.9	83.1	39.1	111.6	−14.3	36.4	0.125	0.375	j27g	y32l		0.725	1.0	0.0	0.772	0.875	0.5

3 Colours no. *j*=553

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.875	0.5	0.792	0.875	0.5	0.844	0.913	0.573
$rgb^*_{Fa,\ 8bit}$	191	223	128	202	223	128	215	233	146
L^*, C^*_{ab}, h_{ab}	78.4	39.6	119.7	83.3	38.7	114.6	88.2	38.3	109.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	6.0	6.0	

3 Colours no. *j*=553

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.875	0.5	0.772	0.875	0.5	0.861	0.908	0.558
$olv^*_{Fa,\ 8bit}$	191	223	128	197	223	128	219	231	142
L^*, C^*_{ab}, h_{ab}	78.4	39.6	119.7	83.1	39.1	111.6	85.8	38.8	104.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−in:	12.7	12.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
554	0.75	0.875	0.625	120.0	85.7	111.8	127.2	−67.5	89.0	83.3	27.9	127.2	−16.8	22.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
554	0.75	0.875	0.625	120.0	87.6	105.9	117.1	−48.2	94.2	83.7	26.5	117.1	−12.0	23.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.25	j49g	y61l		0.386	1.0	0.0	0.721	0.875	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.25	j35g	y50l		0.645	1.0	0.0	0.786	0.875	0.625

3 Colours no. *j*=554

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.875	0.625	0.721	0.875	0.625	0.794	0.917	0.714
$rgb^*_{Fa,\ 8bit}$	191	223	159	184	223	159	203	234	182
L^*, C^*_{ab}, h_{ab}	78.6	28.7	125.2	83.3	27.9	127.2	88.0	28.7	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−it:	4.9	4.9	

3 Colours no. *j*=554

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.875	0.625	0.786	0.875	0.625	0.854	0.912	0.709
$olv^*_{Fa,\ 8bit}$	191	223	159	200	223	159	218	233	181
L^*, C^*_{ab}, h_{ab}	78.6	28.7	125.2	83.7	26.5	117.1	86.8	27.6	104.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	13.1	13.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
555	0.75	0.875	0.75	150.0	85.7	63.5	162.2	−60.4	19.4	84.5	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
555	0.75	0.875	0.75	150.0	86.0	110.8	132.5	−74.7	81.7	84.5	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.125	j99g	l77c		0.0	1.0	0.774	0.75	0.875	0.847
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.125	j57g	y100l		0.425	1.0	0.0	0.803	0.875	0.75

3 Colours no. *j*=555

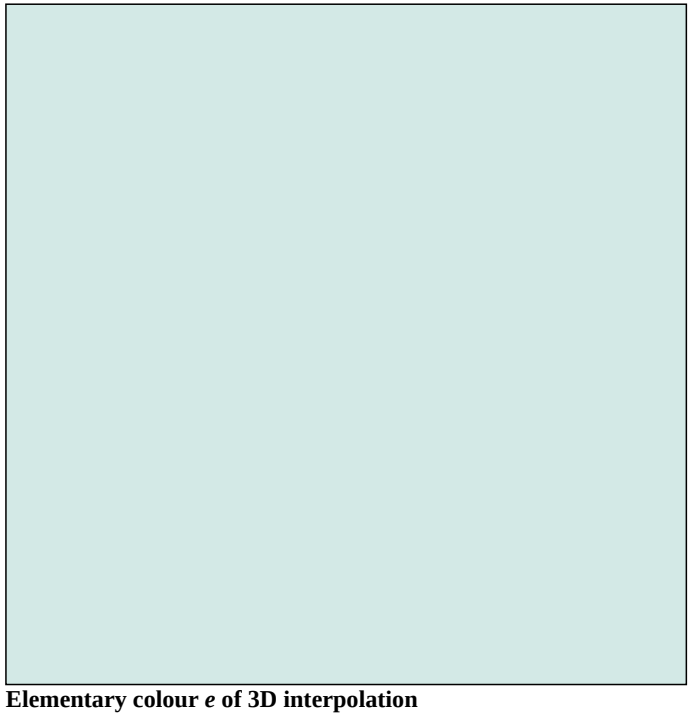
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.875	0.75	0.75	0.875	0.847	0.826	0.915	0.903
$rgb^*_{Fa,\ 8bit}$	191	223	191	191	223	216	211	233	230
L^*, C^*_{ab}, h_{ab}	79.1	18.2	136.1	84.5	7.9	162.2	89.3	7.6	145.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.8	12.8	3D−it:	5.3	5.3

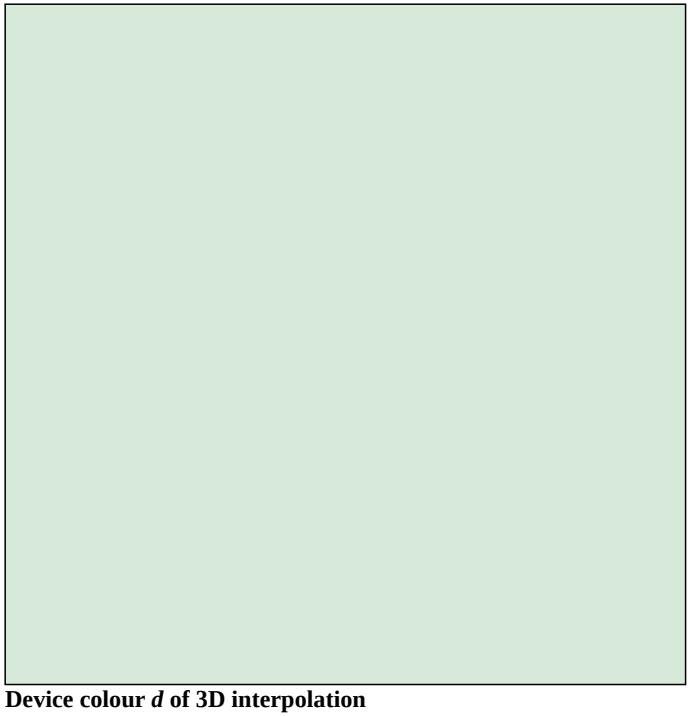
3 Colours no. *j*=555

output of the device colour *d*:

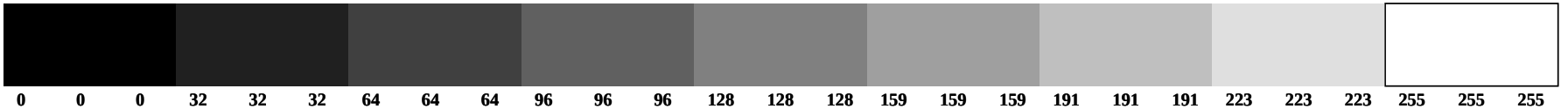
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.875	0.75	0.803	0.875	0.75	0.842	0.917	0.856
$olv^*_{Fa,\ 8bit}$	191	223	191	205	223	191	215	234	218
L^*, C^*_{ab}, h_{ab}	79.1	18.2	136.1	84.5	13.8	132.5	88.0	16.3	103.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.0	7.0	3D−in:	13.2	13.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
556	0.75	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	83.8	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
556	0.75	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.9	84.4	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.125	g50b	c08v		0.0	0.925	1.0	0.75	0.866	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.125	g31b	c00v		0.0	1.0	0.63	0.75	0.875	0.829

3 Colours no. *j*=556

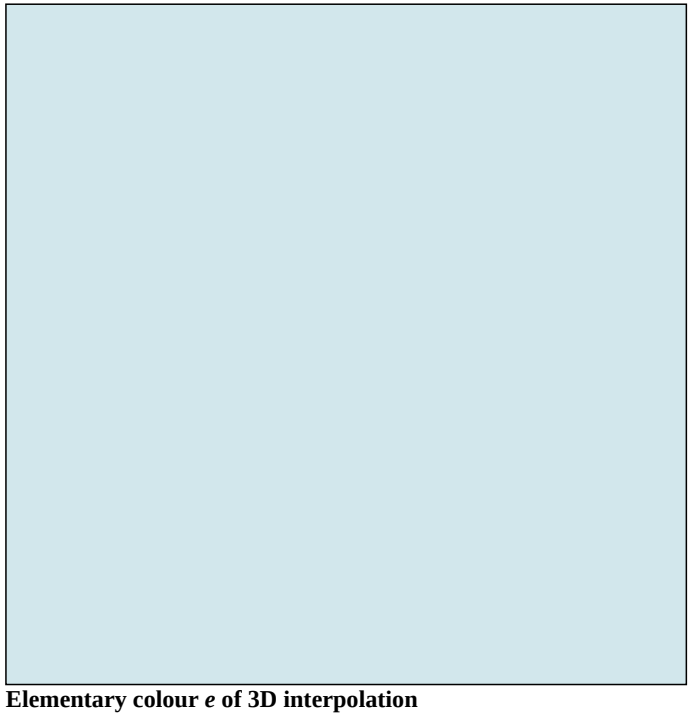
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.875	0.875	0.75	0.866	0.875	0.825	0.904	0.925
$rgb^*_{Fa,\ 8bit}$	191	223	223	191	221	223	210	231	236
L^*, C^*_{ab}, h_{ab}	79.7	8.9	176.5	83.8	5.5	217.0	86.1	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.2	7.2	3D−it:	8.6	8.6

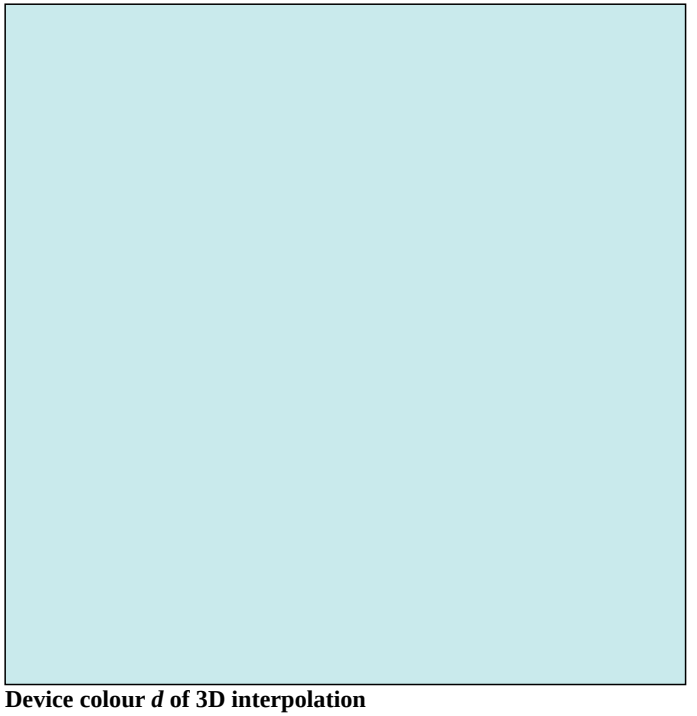
3 Colours no. *j*=556

output of the device colour *d*:

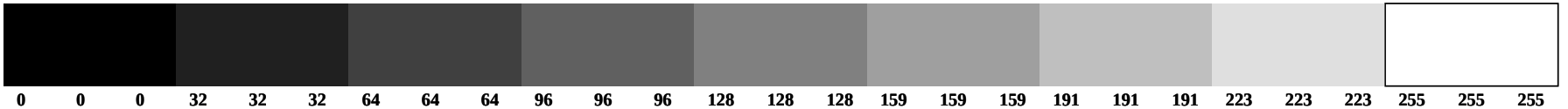
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.875	0.875	0.75	0.875	0.829	0.788	0.917	0.927
$olv^*_{Fa,\ 8bit}$	191	223	223	191	223	211	201	234	236
L^*, C^*_{ab}, h_{ab}	79.7	8.9	176.5	84.4	9.1	196.7	89.2	8.6	176.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.7	5.7	3D−in:	9.5	9.5



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
557	0.75	0.875	1.0	240.0	71.1	44.7	244.4	−19.2	−40.3	89.3	11.2	244.4	−4.7	−10.0	0.0	0.25	g75b	c20v		0.0	0.802	1.0	0.75	0.951	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
557	0.75	0.875	1.0	240.0	49.5	79.9	250.4	−26.7	−75.2	83.9	20.0	250.4	−6.6	−18.7	0.0	0.25	g80b	c50v		0.0	0.389	1.0	0.75	0.847	1.0

3 Colours no. *j*=557

output of the elementary colour *e*:

rgb input (in):									
	0.75	0.875	1.0	0.75	0.951	1.0	0.861	0.956	1.0
rgb^*_{Fa}	191	223	255	191	242	255	220	244	255
L^*, C^*_{ab}, h_{ab}	81.1	23.1	272.0	89.3	11.2	244.4	93.0	4.1	289.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.4	16.4	3D−it:	9.5	9.5

3 Colours no. *j*=557

output of the device colour *d*:

rgb input (in):									
	0.75	0.875	1.0	0.75	0.847	1.0	0.719	0.913	1.0
olv^*_{Fa}	191	223	255	191	216	255	183	233	255
L^*, C^*_{ab}, h_{ab}	81.1	23.1	272.0	83.9	20.0	250.4	86.8	14.6	273.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.1	9.1	3D−in:	10.2	10.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
558	0.75	1.0	0.0	103.9	90.8	102.1	108.5	−32.3	96.8	90.8	102.1	108.5	−32.3	96.8	0.0	1.0	j23g	y10l		0.9	1.0	0.0	0.9	1.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
558	0.75	1.0	0.0	103.9	88.8	103.6	108.9	−33.5	98.0	88.8	103.6	108.9	−33.5	98.0	0.0	1.0	j24g	y23l		0.763	1.0	0.0	0.763	1.0	0.0

3 Colours no. *j*=558

output of the elementary colour *e*:

rgb input (in):									
	0.75	1.0	0.0	0.9	1.0	0.0	0.9	1.0	0.0
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	191	255	0	230	255	0	229	255	0
L^*, C^*_{ab}, h_{ab}	88.7	103.7	115.9	90.8	102.1	108.5	91.4	102.1	106.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−it:	3.1	3.1	

3 Colours no. *j*=558

output of the device colour *d*:

rgb input (in):									
	0.75	1.0	0.0	0.763	1.0	0.0	0.875	1.0	0.0
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	191	255	0	194	255	0	223	255	0
L^*, C^*_{ab}, h_{ab}	88.7	103.7	115.9	88.8	103.6	108.9	90.3	105.1	107.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.7	12.7	3D−in:	15.2	15.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
559	0.75	1.0	0.125	106.1	90.0	102.3	111.1	−36.7	95.5	90.7	89.5	111.1	−32.1	83.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
559	0.75	1.0	0.125	106.1	88.6	103.8	110.0	−35.5	97.5	89.5	90.8	110.0	−31.0	85.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	j27g	y14l		0.856	1.0	0.0	0.874	1.0	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j25g	y27l		0.746	1.0	0.0	0.778	1.0	0.125

3 Colours no. *j*=559

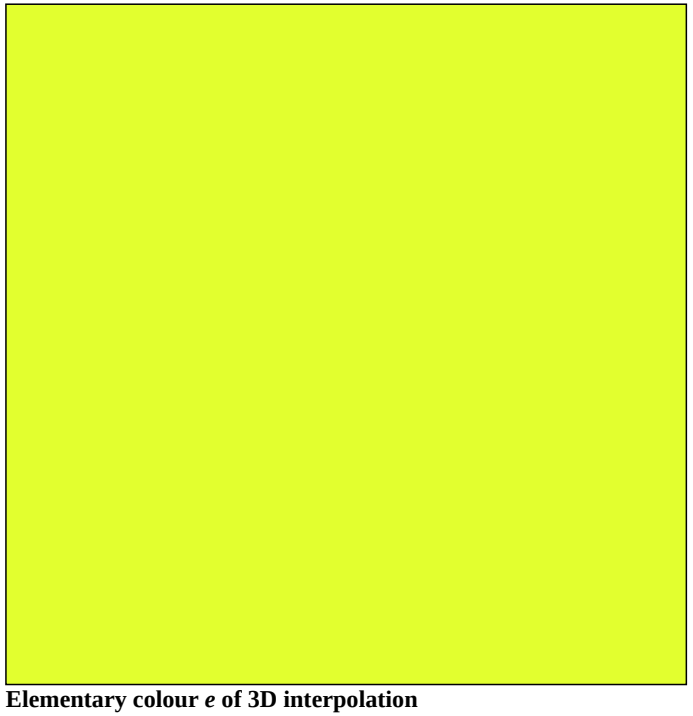
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	0.125	0.874	1.0	0.125	0.888	1.0	0.186
$rgb^*_{Fa,\ 8bit}$	191	255	32	223	255	32	226	255	47
L^*, C^*_{ab}, h_{ab}	88.8	97.5	117.1	90.7	89.5	111.1	91.1	94.1	108.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−it:	6.1	6.1	

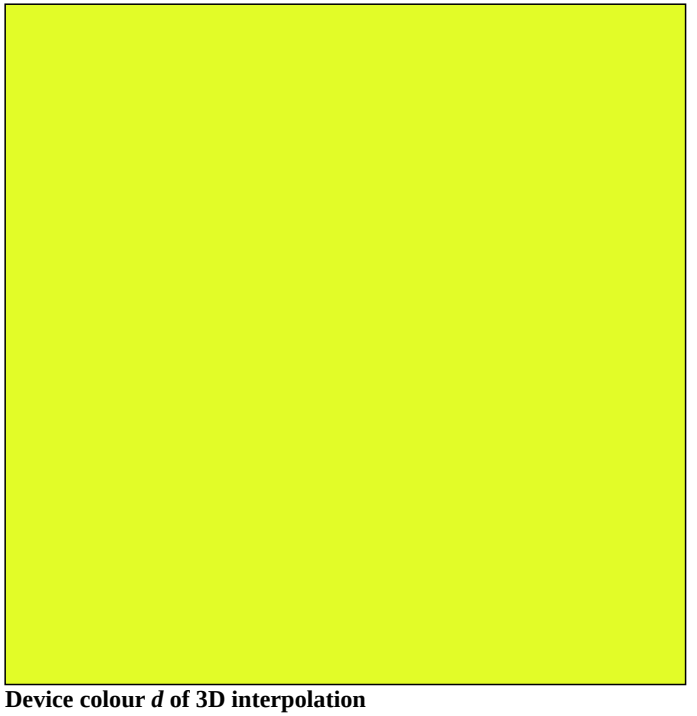
3 Colours no. *j*=559

output of the device colour *d*:

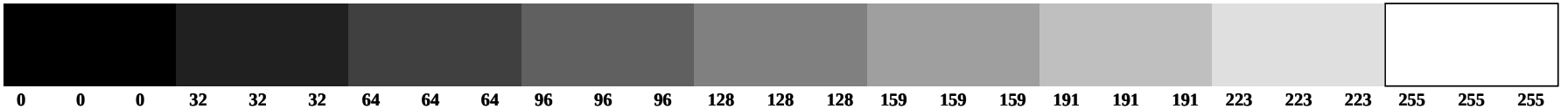
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	0.125	0.778	1.0	0.125	0.885	0.987	0.155
$olv^*_{Fa,\ 8bit}$	191	255	32	198	255	32	226	252	40
L^*, C^*_{ab}, h_{ab}	88.8	97.5	117.1	89.5	90.8	110.0	90.3	93.4	107.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.3	13.3	3D−in:	16.8	16.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
560	0.75	1.0	0.25	109.1	89.1	103.3	114.6	−42.9	94.0	90.6	77.5	114.6	−32.1	70.5	0.0	0.75	j32g	y22l		0.78	1.0	0.0	0.835	1.0	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
560	0.75	1.0	0.25	109.1	88.4	104.2	111.6	−38.2	96.9	90.2	78.2	111.6	−28.7	72.7	0.0	0.75	j27g	y32l		0.724	1.0	0.0	0.793	1.0	0.25

3 Colours no. *j*=560

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	0.25	0.835	1.0	0.25	0.866	1.0	0.313
$rgb^*_{Fa,\ 8bit}$	191	255	64	213	255	64	221	255	80
L^*, C^*_{ab}, h_{ab}	88.9	84.8	119.9	90.6	77.5	114.6	90.8	82.5	112.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−it:	5.6	5.6	

3 Colours no. *j*=560

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	0.25	0.793	1.0	0.25	0.896	0.99	0.279
$olv^*_{Fa,\ 8bit}$	191	255	64	202	255	64	229	252	71
L^*, C^*_{ab}, h_{ab}	88.9	84.8	119.9	90.2	78.2	111.6	90.5	80.0	108.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−in:	17.6	17.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
561	0.75	1.0	0.375	113.4	87.7	105.7	119.6	−52.1	91.9	90.6	66.1	119.6	−32.5	57.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
561	0.75	1.0	0.375	113.4	88.1	104.9	113.8	−42.2	96.0	90.8	65.6	113.8	−26.3	60.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	j39g	y35l		0.653	1.0	0.0	0.783	1.0	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j30g	y39l		0.693	1.0	0.0	0.808	1.0	0.375

3 Colours no. *j*=561

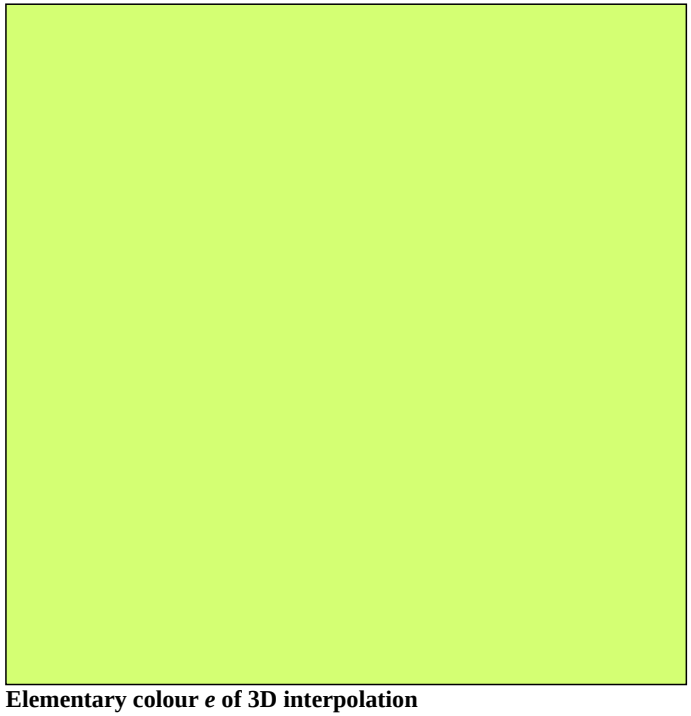
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	0.375	0.783	1.0	0.375	0.832	1.0	0.45
$rgb^*_{Fa,\ 8bit}$	191	255	96	200	255	96	212	255	115
L^*, C^*_{ab}, h_{ab}	89.1	73.6	122.9	90.6	66.1	119.6	90.9	68.1	114.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 8.7	8.7		3D−it: 6.3	6.3	

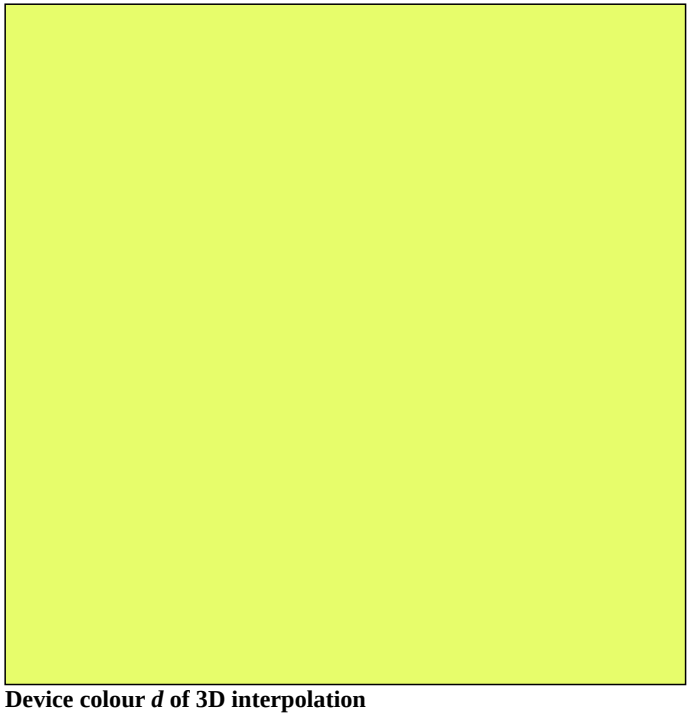
3 Colours no. *j*=561

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	0.375	0.808	1.0	0.375	0.905	0.993	0.421
$olv^*_{Fa,\ 8bit}$	191	255	96	206	255	96	231	253	107
L^*, C^*_{ab}, h_{ab}	89.1	73.6	122.9	90.8	65.6	113.8	91.0	68.1	109.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 13.8	13.8		3D−in: 18.0	18.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
562	0.75	1.0	0.5	120.0	85.7	111.8	127.3	−67.6	89.0	90.6	55.9	127.3	−33.7	44.5	0.0	0.5	j49g	y61l		0.385	1.0	0.0	0.693	1.0	0.5
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
562	0.75	1.0	0.5	120.0	87.6	105.9	117.1	−48.2	94.2	91.5	52.9	117.1	−24.0	47.1	0.0	0.5	j35g	y50l		0.645	1.0	0.0	0.822	1.0	0.5

3 Colours no. *j*=562

output of the elementary colour *e*:

rgb input (in):	0.75	1.0	0.5	linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	0.5	0.693	1.0	0.5	0.786	1.0	0.589
$rgb^*_{Fa,\ 8bit}$	191	255	128	177	255	128	200	255	150
L^*, C^*_{ab}, h_{ab}	89.3	62.8	126.6	90.6	55.9	127.3	91.6	59.2	123.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−it:	4.9	4.9	

3 Colours no. *j*=562

output of the device colour *d*:

rgb input (in):	0.75	1.0	0.5	linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	0.5	0.822	1.0	0.5	0.898	1.0	0.577
$olv^*_{Fa,\ 8bit}$	191	255	128	210	255	128	229	255	147
L^*, C^*_{ab}, h_{ab}	89.3	62.8	126.6	91.5	52.9	117.1	91.9	56.6	113.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.9	13.9	3D−in:	15.1	15.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
563	0.75	1.0	0.625	130.9	84.6	98.1	139.9	−75.0	63.1	91.4	36.8	139.9	−28.1	23.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
563	0.75	1.0	0.625	130.9	87.0	107.6	122.7	−58.0	90.5	92.2	40.3	122.7	−21.7	33.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.375	j67g	l29c		0.0	1.0	0.285	0.625	1.0	0.732
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.375	j43g	y68l		0.565	1.0	0.0	0.837	1.0	0.625

3 Colours no. *j*=563

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	0.625	0.625	1.0	0.732	0.784	1.0	0.827
$rgb^*_{Fa,\ 8bit}$	191	255	159	159	255	187	200	255	211
L^*, C^*_{ab}, h_{ab}	89.6	52.8	131.1	91.4	36.8	139.9	92.4	40.9	132.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.5	17.5	3D−it:	6.6	6.6	

3 Colours no. *j*=563

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	0.625	0.837	1.0	0.625	0.895	1.0	0.737
$olv^*_{Fa,\ 8bit}$	191	255	159	213	255	159	228	255	188
L^*, C^*_{ab}, h_{ab}	89.6	52.8	131.1	92.2	40.3	122.7	93.1	41.8	119.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−in:	14.7	14.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 564/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
564	0.75	1.0	0.75	150.0	85.7	63.5	162.2	−60.4	19.4	93.0	15.9	162.2	−15.0	4.9
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
564	0.75	1.0	0.75	150.0	86.0	110.8	132.5	−74.7	81.7	93.1	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.25	j99g	l77c		0.0	1.0	0.774	0.75	1.0	0.944
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.25	j57g	y100l		0.425	1.0	0.0	0.856	1.0	0.75

3 Colours no. *j*=564

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	1.0	0.75	0.75	1.0	0.944	0.868	1.0	0.957
$rgb^*_{Fa,\ 8bit}$	191	255	191	191	255	241	221	255	244
L^*, C^*_{ab}, h_{ab}	89.9	42.9	137.2	93.0	15.9	162.2	93.0	17.5	129.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	29.4	29.4	3D−it:	9.6	9.6

3 Colours no. *j*=564

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	1.0	0.75	0.856	1.0	0.75	0.892	1.0	0.875
$olv^*_{Fa,\ 8bit}$	191	255	191	218	255	191	227	255	223
L^*, C^*_{ab}, h_{ab}	89.9	42.9	137.2	93.1	27.7	132.5	94.3	27.9	130.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.8	15.8	3D−in:	16.1	16.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
565	0.75	1.0	0.875	180.0	87.0	49.2	189.6	−48.4	−8.1	93.3	12.3	189.6	−12.0	−2.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
565	0.75	1.0	0.875	180.0	84.4	116.1	164.6	−111.8	30.8	92.7	29.0	164.6	−27.9	7.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.25	g25b	l97c		0.0	1.0	0.967	0.75	1.0	0.992
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.25	g02b	l50c		0.0	1.0	0.043	0.75	1.0	0.761

3 Colours no. *j*=565

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	0.875	0.75	1.0	0.992	0.875	1.0	0.994
$rgb^*_{Fa,\ 8bit}$	191	255	223	191	255	253	223	255	253
L^*, C^*_{ab}, h_{ab}	90.3	32.5	148.2	93.3	12.3	189.6	93.6	11.0	181.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	24.9	24.9	3D−it:	2.1	2.1

3 Colours no. *j*=565

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	0.875	0.75	1.0	0.761	0.724	1.0	0.939
$olv^*_{Fa,\ 8bit}$	191	255	223	191	255	194	185	255	240
L^*, C^*_{ab}, h_{ab}	90.3	32.5	148.2	92.7	29.0	164.6	95.0	32.5	148.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.7	9.7	3D−in:	4.7	4.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 566/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
566	0.75	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	91.6	10.9	217.0	−8.6	−6.5	0.0	0.25	g50b	c08v		0.0	0.925	1.0	0.75	0.981	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
566	0.75	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	92.9	18.2	196.7	−17.3	−5.1	0.0	0.25	g31b	c00v		0.0	1.0	0.63	0.75	1.0	0.908

3 Colours no. *j*=566

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	1.0	1.0	0.75	0.981	1.0	0.868	0.984	1.0
$rgb^*_{Fa,\ 8bit}$	191	255	255	191	250	255	221	251	255
L^*, C^*_{ab}, h_{ab}	91.5	19.7	198.8	91.6	10.9	217.0	93.0	7.4	211.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−it:	3.8	3.8	

3 Colours no. *j*=566

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	1.0	1.0	0.75	1.0	0.908	0.79	1.0	1.0
$olv^*_{Fa,\ 8bit}$	191	255	255	191	255	231	201	255	255
L^*, C^*_{ab}, h_{ab}	91.5	19.7	198.8	92.9	18.2	196.7	94.3	16.7	194.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.2	2.2	3D−in:	4.3	4.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
567	0.875	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	48.3	71.1	25.5	64.2	30.6	0.125	0.875	b99r	m81o		1.0	0.0	0.189	0.875	0.0	0.165
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
567	0.875	0.0	0.0	30.0	55.6	86.2	38.2	67.7	53.3	50.9	75.4	38.2	59.3	46.6	0.125	0.875	r19j	m100o		1.0	0.19	0.0	0.875	0.166	0.0

3 Colours no. *j*=567

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.0	0.875	0.0	0.165	0.909	0.036	0.17
$rgb^*_{Fa,\ 8bit}$	223	0	0	223	0	42	232	9	43
L^*, C^*_{ab}, h_{ab}	45.6	75.8	36.4	48.3	71.1	25.5	50.8	74.5	26.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.0	15.0	3D−it:	4.5	4.5

3 Colours no. *j*=567

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.0	0.875	0.166	0.0	0.927	0.149	0.065
$olv^*_{Fa,\ 8bit}$	223	0	0	223	42	0	236	38	17
L^*, C^*_{ab}, h_{ab}	45.6	75.8	36.4	50.9	75.4	38.2	54.4	78.2	37.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.8	5.8	3D−in:	9.2	9.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
568	0.875	0.0	0.125	22.4	52.9	77.9	18.3	74.0	24.4	48.5	68.2	18.3	64.7	21.4	0.125	0.875	b93r	m74o		1.0	0.0	0.263	0.875	0.0	0.23
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
568	0.875	0.0	0.125	22.4	53.0	89.8	29.1	78.4	43.7	48.6	78.5	29.1	68.6	38.2	0.125	0.875	r05j	m87o		1.0	0.055	0.0	0.875	0.048	0.0

3 Colours no. *j*=568

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.125	0.875	0.0	0.23	0.907	0.044	0.231
$rgb^*_{Fa,\ 8bit}$	223	0	32	223	0	59	231	11	59
L^*, C^*_{ab}, h_{ab}	45.8	70.6	28.5	48.5	68.2	18.3	54.3	74.9	21.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−it:	9.9	9.9	

3 Colours no. *j*=568

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.125	0.875	0.048	0.0	0.937	0.0	0.127
$olv^*_{Fa,\ 8bit}$	223	0	32	223	12	0	239	0	32
L^*, C^*_{ab}, h_{ab}	45.8	70.6	28.5	48.6	78.5	29.1	52.5	84.7	31.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−in:	16.3	16.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
569	0.875	0.0	0.25	13.9	53.2	76.6	10.2	75.4	13.6	48.8	67.0	10.2	65.9	11.9	0.125	0.875	b86r	m64o		1.0	0.0	0.357	0.875	0.0	0.312
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
569	0.875	0.0	0.25	13.9	52.5	85.2	19.0	80.6	27.7	48.1	74.6	19.0	70.5	24.3	0.125	0.875	b93r	m73o		1.0	0.0	0.114	0.875	0.0	0.1

3 Colours no. *j*=569

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.25	0.875	0.0	0.312	0.906	0.045	0.308
$rgb^*_{Fa,\ 8bit}$	223	0	64	223	0	80	231	12	79
L^*, C^*_{ab}, h_{ab}	46.3	66.0	12.9	48.8	67.0	10.2	51.2	69.1	12.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.1	4.1	3D−it:	4.1	4.1	

3 Colours no. *j*=569

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.25	0.875	0.0	0.1	0.93	0.0	0.212
$olv^*_{Fa,\ 8bit}$	223	0	64	223	0	25	237	0	54
L^*, C^*_{ab}, h_{ab}	46.3	66.0	12.9	48.1	74.6	19.0	52.9	78.1	19.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−in:	16.0	16.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
570	0.875	0.0	0.375	4.7	53.6	77.1	1.5	77.1	2.0	49.1	67.5	1.5	67.4	1.8
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
570	0.875	0.0	0.375	4.7	53.0	77.3	8.0	76.5	10.8	48.6	67.6	8.0	67.0	9.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.875	b78r	m53o		1.0	0.0	0.467	0.875	0.0	0.408
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.875	b84r	m58o		1.0	0.0	0.307	0.875	0.0	0.268

3 Colours no. j=570

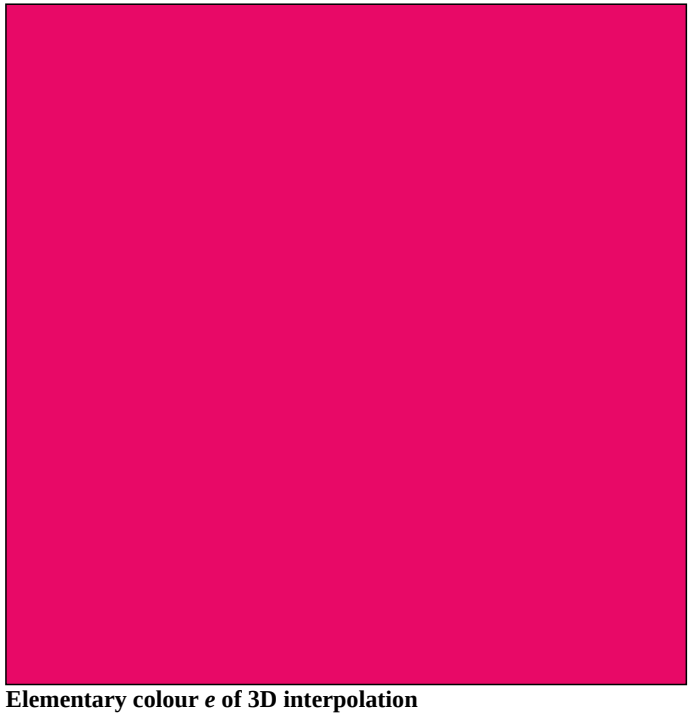
output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.375	0.875	0.0	0.408	0.908	0.037	0.404
$rgb^*_{Fa,\ 8bit}$	223	0	96	223	0	104	232	9	103
L^*, C^*_{ab}, h_{ab}	46.8	66.5	0.4	49.1	67.5	1.5	51.5	68.5	2.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−it:	2.9	2.9	

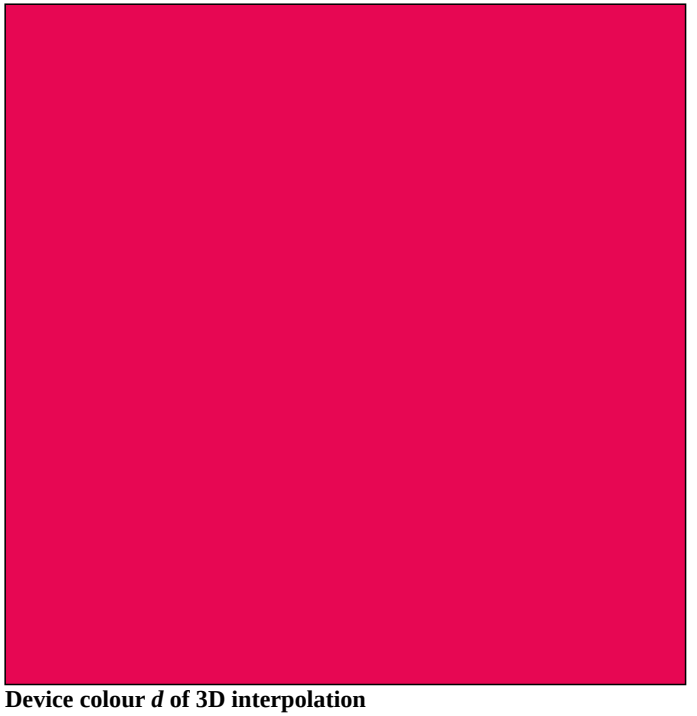
3 Colours no. j=570

output of the device colour d:

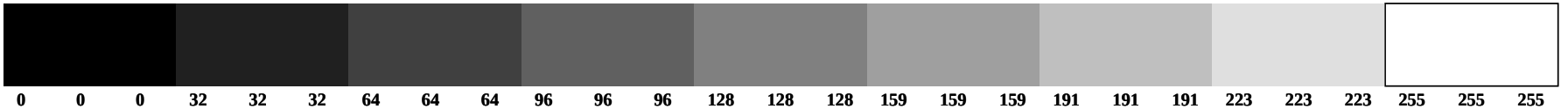
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.375	0.875	0.0	0.268	0.907	0.027	0.327
$olv^*_{Fa,\ 8bit}$	223	0	96	223	0	68	231	7	83
L^*, C^*_{ab}, h_{ab}	46.8	66.5	0.4	48.6	67.6	8.0	54.6	72.7	10.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−in:	16.0	16.0	



Elementary colour e of 3D interpolation



Device colour d of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
571	0.875	0.0	0.5	355.3	54.2	80.0	352.6	79.3	−10.2	49.6	70.0	352.6	69.4	−8.9	0.125	0.875	b71r	m40o		1.0	0.0	0.597	0.875	0.0	0.523
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
571	0.875	0.0	0.5	355.3	53.8	77.5	356.8	77.4	−4.2	49.3	67.8	356.8	67.7	−3.7	0.125	0.875	b74r	m42o		1.0	0.0	0.505	0.875	0.0	0.441

3 Colours no. *j*=571

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.5	0.875	0.0	0.523	0.912	0.022	0.518
$rgb^*_{Fa,\ 8bit}$	223	0	128	223	0	133	232	6	132
L^*, C^*_{ab}, h_{ab}	47.4	70.2	349.9	49.6	70.0	352.6	51.9	69.9	355.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−it:	4.0	4.0	

3 Colours no. *j*=571

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.5	0.875	0.0	0.441	0.907	0.031	0.463
$olv^*_{Fa,\ 8bit}$	223	0	128	223	0	113	231	8	118
L^*, C^*_{ab}, h_{ab}	47.4	70.2	349.9	49.3	67.8	356.8	51.7	68.9	0.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−in:	13.5	13.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
572	0.875	0.0	0.625	346.1	54.9	85.2	343.9	81.9	−23.6	50.3	74.6	343.9	71.6	−20.6	0.125	0.875	b63r	m25o		1.0	0.0	0.746	0.875	0.0	0.652
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
572	0.875	0.0	0.625	346.1	54.7	83.4	345.8	80.9	−20.3	50.1	73.0	345.8	70.8	−17.8	0.125	0.875	b65r	m27o		1.0	0.0	0.697	0.875	0.0	0.61

3 Colours no. *j*=572

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.625	0.875	0.0	0.652	0.903	0.06	0.631
$rgb^*_{Fa,\ 8bit}$	223	0	159	223	0	166	230	15	161
L^*, C^*_{ab}, h_{ab}	48.1	75.6	341.8	50.3	74.6	343.9	52.5	73.9	346.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	3.7	3.7	

3 Colours no. *j*=572

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.625	0.875	0.0	0.61	0.904	0.051	0.603
$olv^*_{Fa,\ 8bit}$	223	0	159	223	0	156	231	13	154
L^*, C^*_{ab}, h_{ab}	48.1	75.6	341.8	50.1	73.0	345.8	50.5	75.8	349.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−in:	9.8	9.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
573	0.875	0.0	0.75	337.6	56.1	93.8	335.8	85.6	−38.3	51.3	82.1	335.8	74.9	−33.5	0.125	0.875	b56r	m11o		1.0	0.0	0.888	0.875	0.0	0.777
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
573	0.875	0.0	0.75	337.6	55.9	92.3	335.7	84.1	−37.9	51.1	80.7	335.7	73.6	−33.1	0.125	0.875	b56r	m13o		1.0	0.0	0.876	0.875	0.0	0.766

3 Colours no. *j*=573

output of the elementary colour *e*:

rgb input (in):									
	0.875	0.0	0.75	0.875	0.0	0.777	0.904	0.064	0.778
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	223	0	191	223	0	198	231	16	198
L^*, C^*_{ab}, h_{ab}	48.9	82.2	335.1	51.3	82.1	335.8	53.8	82.0	336.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.7	2.7	3D−it:	2.7	2.7	

3 Colours no. *j*=573

output of the device colour *d*:

rgb input (in):									
	0.875	0.0	0.75	0.875	0.0	0.766	0.897	0.082	0.77
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	223	0	191	223	0	195	229	21	196
L^*, C^*_{ab}, h_{ab}	48.9	82.2	335.1	51.1	80.7	335.7	53.4	81.1	336.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.8	2.8	3D−in:	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
574	0.875	0.0	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	52.9	92.1	328.6	78.6	−47.9	0.125	0.875	b50r	m02o		1.0	0.0	0.976	0.875	0.0	0.854
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
574	0.875	0.0	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	52.0	95.1	326.6	79.4	−52.2	0.125	0.875	b47r	m00o		0.965	0.0	1.0	0.845	0.0	0.875

3 Colours no. *j*=574

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.875	0.875	0.0	0.854	0.904	0.072	0.903
$rgb^*_{Fa,\ 8bit}$	223	0	223	223	0	218	231	18	230
L^*, C^*_{ab}, h_{ab}	50.0	90.6	329.2	52.9	92.1	328.6	55.7	92.0	329.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.4	3.4	

3 Colours no. *j*=574

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.875	0.845	0.0	0.875	0.886	0.04	0.916
$olv^*_{Fa,\ 8bit}$	223	0	223	215	0	223	226	10	234
L^*, C^*_{ab}, h_{ab}	50.0	90.6	329.2	52.0	95.1	326.6	53.9	93.3	330.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−in:	5.0	5.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
575	0.875	0.0	1.0	323.4	54.4	109.0	322.4	86.3	−66.5	54.4	109.0	322.4	86.3	−66.5	0.0	1.0	b44r	v91m		0.907	0.0	1.0	0.907	0.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
575	0.875	0.0	1.0	323.4	55.0	108.9	324.1	88.3	−63.7	55.0	108.9	324.1	88.3	−63.7	0.0	1.0	b45r	v89m		0.922	0.0	1.0	0.922	0.0	1.0

3 Colours no. *j*=575

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	1.0	0.907	0.0	1.0	0.907	0.0	1.0
$rgb^*_{Fa,\ 8bit}$	223	0	255	231	0	255	231	0	255
L^*, C^*_{ab}, h_{ab}	53.0	109.2	320.9	54.4	109.0	322.4	55.8	108.9	323.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.2	3.2	3D−it:	3.2	3.2

3 Colours no. *j*=575

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	1.0	0.922	0.0	1.0	0.934	0.0	0.993
$olv^*_{Fa,\ 8bit}$	223	0	255	235	0	255	238	0	253
L^*, C^*_{ab}, h_{ab}	53.0	109.2	320.9	55.0	108.9	324.1	58.4	108.4	326.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.6	6.6	3D−in:	12.2	12.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
576	0.875	0.125	0.0	37.6	52.5	86.6	33.9	71.9	48.4	48.1	75.8	33.9	62.9	42.3	0.125	0.875	r13j	m92o		1.0	0.0	0.084	0.875	0.0	0.074
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
576	0.875	0.125	0.0	37.6	59.3	82.3	46.2	56.9	59.4	54.1	72.0	46.2	49.8	52.0	0.125	0.875	r31j	o13y		1.0	0.311	0.0	0.875	0.272	0.0

3 Colours no. *j*=576

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.0	0.875	0.0	0.074	0.91	0.04	0.071
$rgb^*_{Fa,\ 8bit}$	223	32	0	223	0	19	232	10	18
L^*, C^*_{ab}, h_{ab}	47.3	73.4	40.0	48.1	75.8	33.9	50.7	78.9	34.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−it:	4.1	4.1	

3 Colours no. *j*=576

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.0	0.875	0.272	0.0	0.925	0.255	0.046
$olv^*_{Fa,\ 8bit}$	223	32	0	223	69	0	236	65	12
L^*, C^*_{ab}, h_{ab}	47.3	73.4	40.0	54.1	72.0	46.2	56.6	75.6	43.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	10.6	10.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
577	0.875	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	53.6	61.0	25.5	55.0	26.2	0.125	0.75	b99r	m81o		1.0	0.0	0.189	0.875	0.125	0.267
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
577	0.875	0.125	0.125	30.0	55.6	86.2	38.2	67.7	53.3	55.8	64.6	38.2	50.8	40.0	0.125	0.75	r19j	m100o		1.0	0.19	0.0	0.875	0.268	0.125

3 Colours no. *j*=577

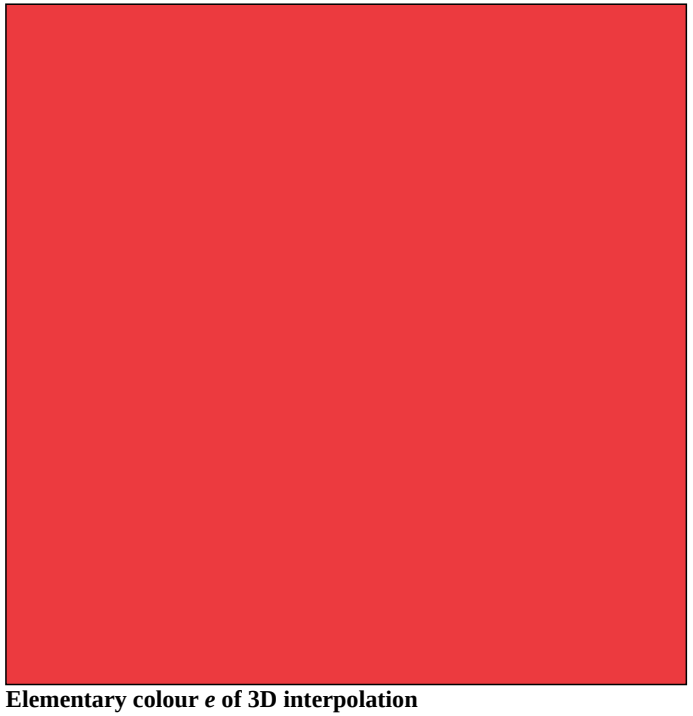
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.125	0.875	0.125	0.267	0.926	0.226	0.249
$rgb^*_{Fa,\ 8bit}$	223	32	32	223	32	68	236	58	63
L^*, C^*_{ab}, h_{ab}	47.5	67.6	32.0	53.6	61.0	25.5	57.7	68.2	28.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−it:	9.0	9.0	

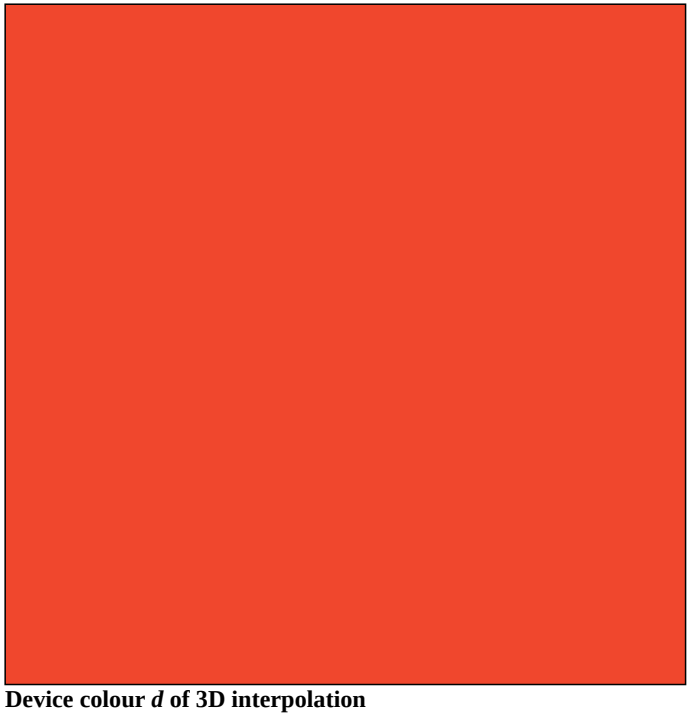
3 Colours no. *j*=577

output of the device colour *d*:

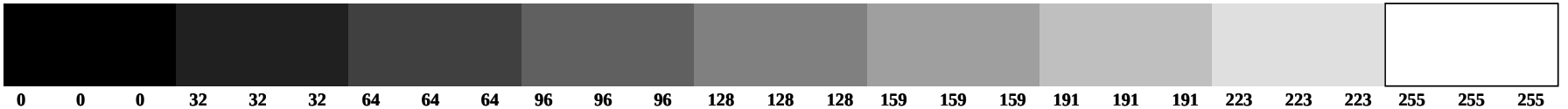
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.125	0.875	0.268	0.125	0.942	0.278	0.178
$olv^*_{Fa,\ 8bit}$	223	32	32	223	68	32	240	71	45
L^*, C^*_{ab}, h_{ab}	47.5	67.6	32.0	55.8	64.6	38.2	61.7	67.1	38.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−in:	16.2	16.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
578	0.875	0.125	0.25	21.0	52.9	77.7	17.0	74.3	22.7	53.8	58.3	17.0	55.7	17.0	0.125	0.75	b92r	m72o		1.0	0.0	0.278	0.875	0.125	0.333
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
578	0.875	0.125	0.25	21.0	52.7	90.2	27.5	80.0	41.7	53.7	67.6	27.5	60.0	31.2	0.125	0.75	r03j	m85o		1.0	0.031	0.0	0.875	0.148	0.125

3 Colours no. *j*=578

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.25	0.875	0.125	0.333	0.922	0.231	0.328
$rgb^*_{Fa,\ 8bit}$	223	32	64	223	32	85	235	59	84
L^*, C^*_{ab}, h_{ab}	48.0	61.8	16.1	53.8	58.3	17.0	58.1	64.5	16.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	7.5	7.5	

3 Colours no. *j*=578

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.25	0.875	0.148	0.125	0.952	0.189	0.218
$olv^*_{Fa,\ 8bit}$	223	32	64	223	38	32	243	48	56
L^*, C^*_{ab}, h_{ab}	48.0	61.8	16.1	53.7	67.6	27.5	57.7	68.4	28.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.2	15.2	3D−in:	18.3	18.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
579	0.875	0.125	0.375	10.9	53.3	76.5	7.4	75.8	9.8	54.1	57.3	7.4	56.9	7.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
579	0.875	0.125	0.375	10.9	52.7	81.9	15.4	79.0	21.8	53.6	61.4	15.4	59.2	16.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.75	b83r	m61o		1.0	0.0	0.391	0.875	0.125	0.418
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.75	b90r	m68o		1.0	0.0	0.177	0.875	0.125	0.258

3 Colours no. *j*=579

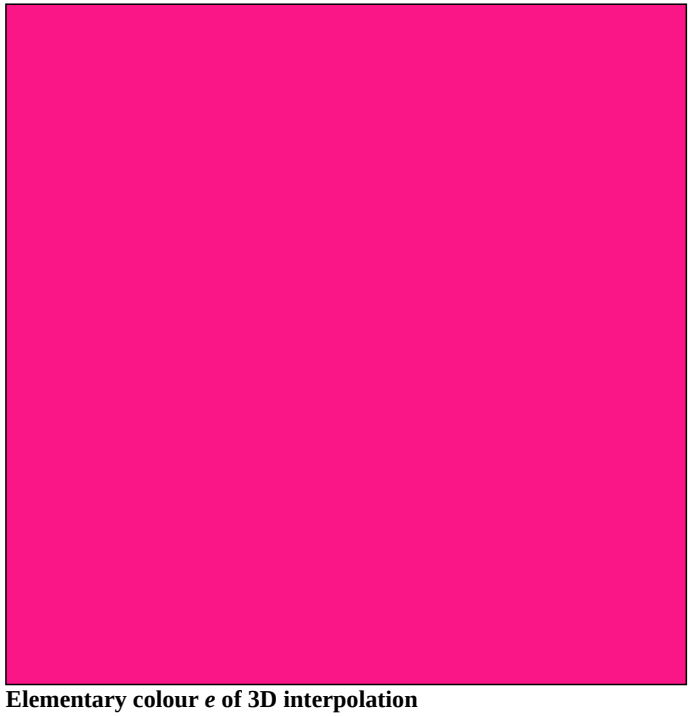
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.375	0.875	0.125	0.418	0.985	0.088	0.534
$rgb^*_{Fa,\ 8bit}$	223	32	96	223	32	107	251	22	136
L^*, C^*_{ab}, h_{ab}	48.5	61.9	2.7	54.1	57.3	7.4	55.8	63.8	8.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.7	8.7	3D−it:	6.7	6.7

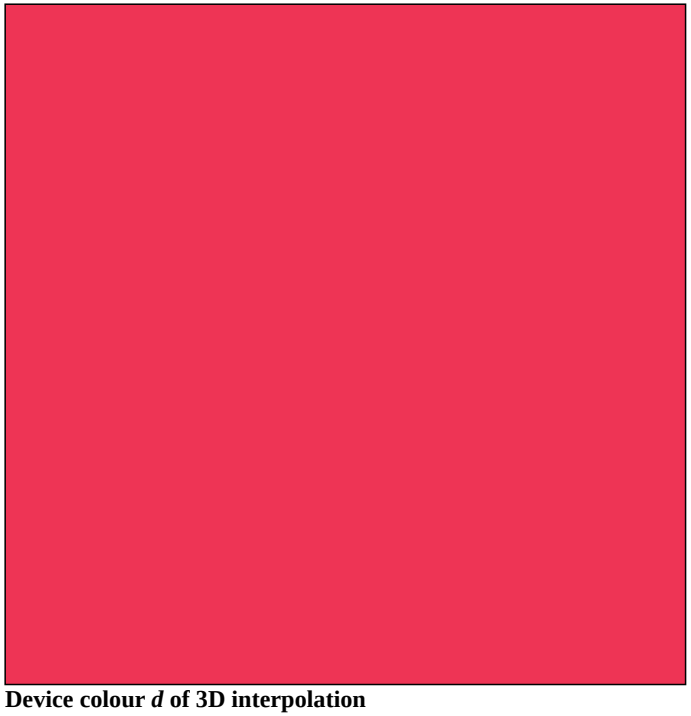
3 Colours no. *j*=579

output of the device colour *d*:

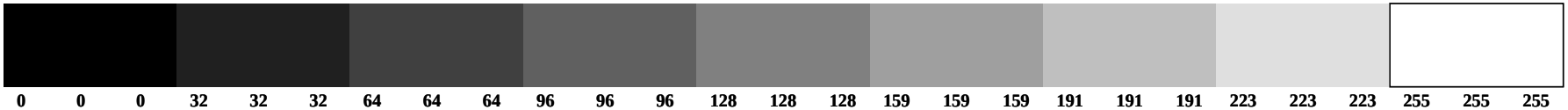
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.375	0.875	0.125	0.258	0.935	0.203	0.333
$olv^*_{Fa,\ 8bit}$	223	32	96	223	32	66	238	52	85
L^*, C^*_{ab}, h_{ab}	48.5	61.9	2.7	53.6	61.4	15.4	58.1	64.5	16.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.6	14.6	3D−in:	18.2	18.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
580	0.875	0.125	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	54.5	58.6	357.0	58.5	−2.9	0.125	0.75	b75r	m47o		1.0	0.0	0.529	0.875	0.125	0.522
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
580	0.875	0.125	0.5	0.0	53.4	76.6	2.4	76.5	3.2	54.2	57.4	2.4	57.4	2.4	0.125	0.75	b79r	m50o		1.0	0.0	0.406	0.875	0.125	0.429

3 Colours no. *j*=580

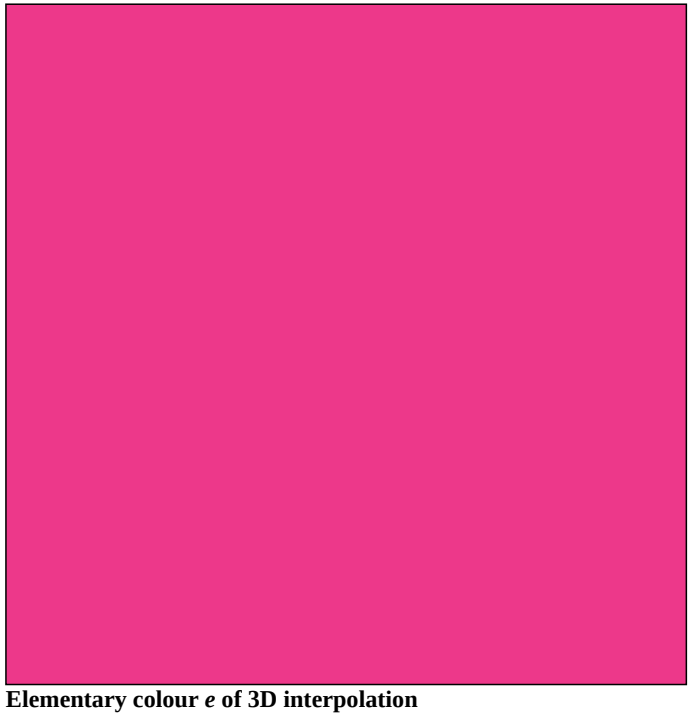
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.5	0.875	0.125	0.522	0.928	0.218	0.542
$rgb^*_{Fa,\ 8bit}$	223	32	128	223	32	133	237	56	138
L^*, C^*_{ab}, h_{ab}	49.0	65.1	351.2	54.5	58.6	357.0	56.1	63.8	358.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	5.5	5.5	

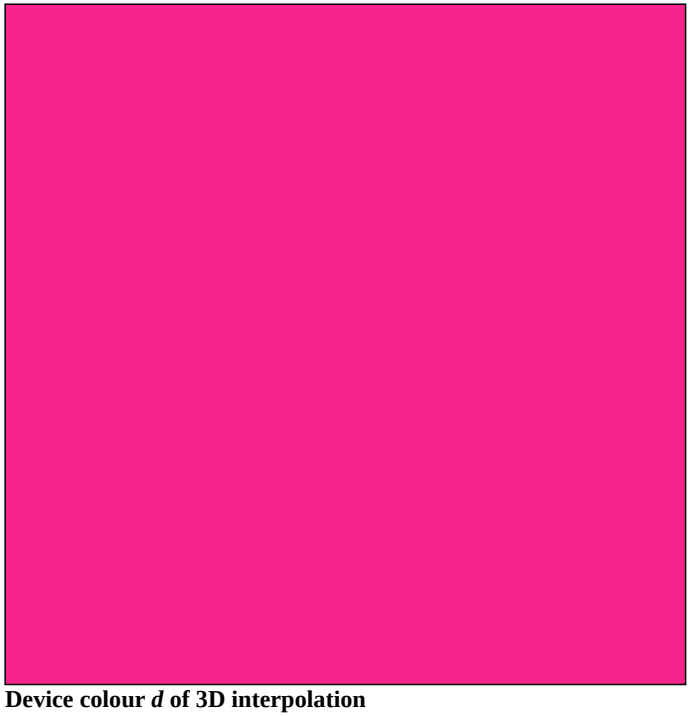
3 Colours no. *j*=580

output of the device colour *d*:

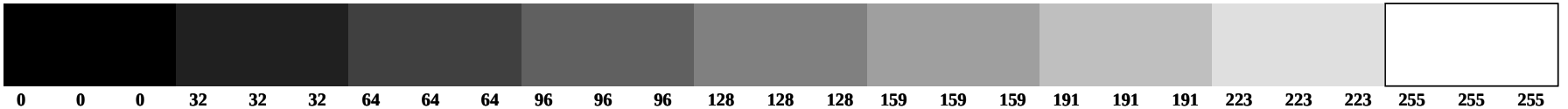
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.5	0.875	0.125	0.429	0.967	0.14	0.557
$olv^*_{Fa,\ 8bit}$	223	32	128	223	32	109	247	36	142
L^*, C^*_{ab}, h_{ab}	49.0	65.1	351.2	54.2	57.4	2.4	58.5	64.2	5.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.1	15.1	3D−in:	18.2	18.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
581	0.875	0.125	0.625	349.1	54.7	83.4	346.7	81.1	−19.0	55.1	62.5	346.7	60.8	−14.3	0.125	0.75	b66r	m30o		1.0	0.0	0.696	0.875	0.125	0.647
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
581	0.875	0.125	0.625	349.1	54.4	81.0	349.4	79.7	−14.8	54.9	60.8	349.4	59.7	−11.1	0.125	0.75	b68r	m32o		1.0	0.0	0.634	0.875	0.125	0.601

3 Colours no. *j*=581

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.625	0.875	0.125	0.647	0.916	0.24	0.644
$rgb^*_{Fa,\ 8bit}$	223	32	159	223	32	165	234	61	164
L^*, C^*_{ab}, h_{ab}	49.7	70.4	342.5	55.1	62.5	346.7	56.7	67.0	348.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−it:	5.0	5.0	

3 Colours no. *j*=581

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.625	0.875	0.125	0.601	0.914	0.241	0.609
$olv^*_{Fa,\ 8bit}$	223	32	159	223	32	153	233	61	155
L^*, C^*_{ab}, h_{ab}	49.7	70.4	342.5	54.9	60.8	349.4	56.3	63.8	353.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−in:	15.9	15.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
582	0.875	0.125	0.75	339.0	55.9	91.9	337.1	84.7	−35.7	56.0	68.9	337.1	63.5	−26.7	0.125	0.75	b57r	m13o		1.0	0.0	0.87	0.875	0.125	0.778
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
582	0.875	0.125	0.75	339.0	55.7	90.7	337.3	83.6	−34.9	55.9	68.0	337.3	62.7	−26.1	0.125	0.75	b57r	m15o		1.0	0.0	0.847	0.875	0.125	0.76

3 Colours no. *j*=582

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.75	0.875	0.125	0.778	0.914	0.246	0.783
$rgb^*_{Fa,\ 8bit}$	223	32	191	223	32	198	233	63	200
L^*, C^*_{ab}, h_{ab}	50.4	77.1	335.3	56.0	68.9	337.1	57.8	72.7	338.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−it:	4.7	4.7	

3 Colours no. *j*=582

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.75	0.875	0.125	0.76	0.91	0.249	0.775
$olv^*_{Fa,\ 8bit}$	223	32	191	223	32	194	232	64	198
L^*, C^*_{ab}, h_{ab}	50.4	77.1	335.3	55.9	68.0	337.3	57.5	71.3	338.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	10.0	10.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
583	0.875	0.125	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	57.6	79.0	328.6	67.4	−41.0	0.125	0.75	b50r	m02o		1.0	0.0	0.976	0.875	0.125	0.857
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
583	0.875	0.125	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	56.8	81.5	326.6	68.1	−44.7	0.125	0.75	b47r	m00o		0.965	0.0	1.0	0.849	0.125	0.875

3 Colours no. *j*=583

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.875	0.875	0.125	0.857	0.914	0.253	0.907
$rgb^*_{Fa,\ 8bit}$	223	32	223	223	32	218	233	64	231
L^*, C^*_{ab}, h_{ab}	51.5	85.8	329.1	57.6	79.0	328.6	59.9	81.5	332.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−it:	6.0	6.0	

3 Colours no. *j*=583

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.875	0.849	0.125	0.875	0.899	0.24	0.918
$olv^*_{Fa,\ 8bit}$	223	32	223	216	32	223	229	61	234
L^*, C^*_{ab}, h_{ab}	51.5	85.8	329.1	56.8	81.5	326.6	58.3	82.7	332.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−in:	9.1	9.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
584	0.875	0.125	1.0	322.4	53.5	109.1	321.4	85.3	−68.0	58.7	95.5	321.4	74.7	−59.5	0.0	0.875	b43r	v89m		0.887	0.0	1.0	0.901	0.125	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
584	0.875	0.125	1.0	322.4	54.7	109.0	323.8	87.9	−64.3	59.8	95.3	323.8	76.9	−56.2	0.0	0.875	b45r	v87m		0.915	0.0	1.0	0.926	0.125	1.0

3 Colours no. *j*=584

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	1.0	0.901	0.125	1.0	0.913	0.23	1.0
$rgb^*_{Fa,\ 8bit}$	223	32	255	230	32	255	233	59	255
L^*, C^*_{ab}, h_{ab}	54.3	104.6	320.4	58.7	95.5	321.4	59.7	97.8	323.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−it:	4.3	4.3	

3 Colours no. *j*=584

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	1.0	0.926	0.125	1.0	0.948	0.223	0.995
$olv^*_{Fa,\ 8bit}$	223	32	255	236	32	255	242	57	254
L^*, C^*_{ab}, h_{ab}	54.3	104.6	320.4	59.8	95.3	323.8	62.6	94.5	326.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.2	12.2	3D−in:	16.3	16.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
585	0.875	0.25	0.0	46.1	55.3	86.6	43.4	62.9	59.5	50.6	75.7	43.4	55.0	52.0	0.125	0.875	r27j	o18y		1.0	0.18	0.0	0.875	0.158	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
585	0.875	0.25	0.0	46.1	63.9	79.5	55.3	45.3	65.3	58.1	69.6	55.3	39.6	57.2	0.125	0.875	r44j	o27y		1.0	0.446	0.0	0.875	0.39	0.0

3 Colours no. *j*=585

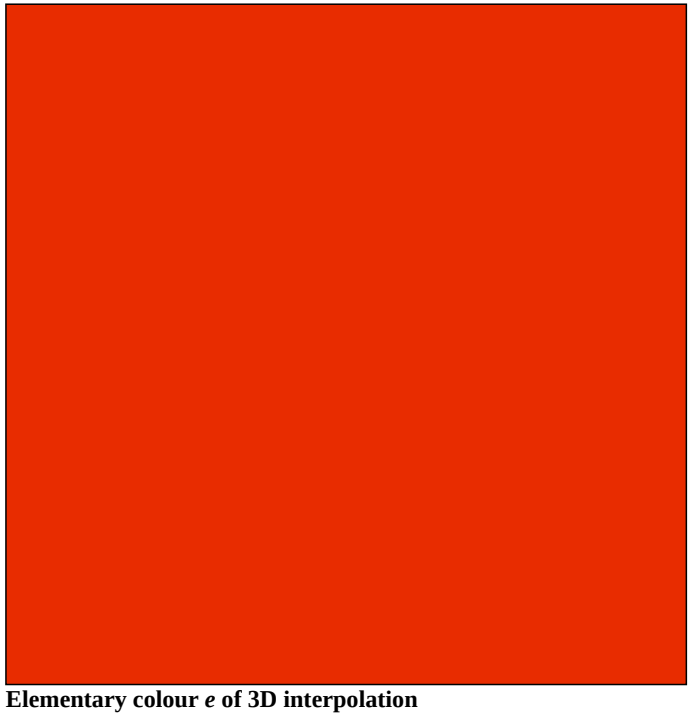
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.0	0.875	0.158	0.0	0.909	0.174	0.0
$rgb^*_{Fa,\ 8bit}$	223	64	0	223	40	0	232	44	0
L^*, C^*_{ab}, h_{ab}	51.5	68.6	49.2	50.6	75.7	43.4	53.9	80.0	45.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−it:	6.0	6.0	

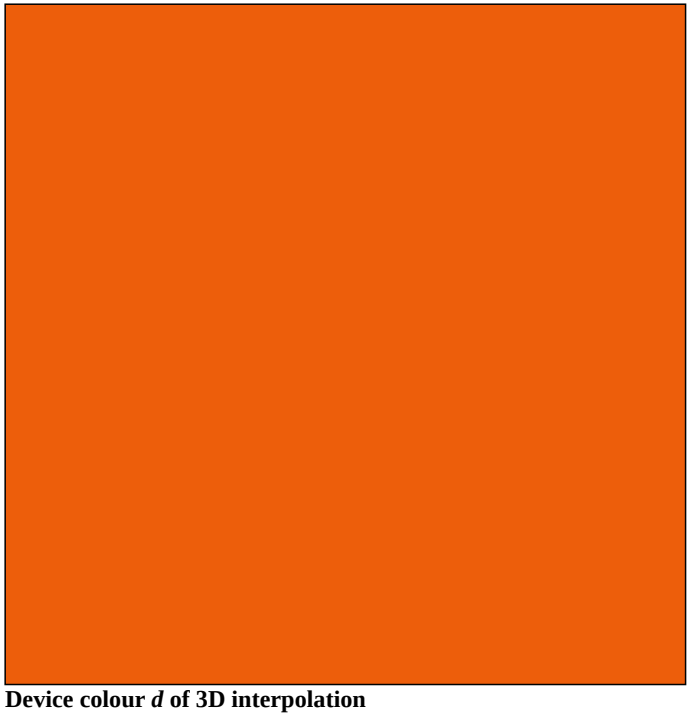
3 Colours no. *j*=585

output of the device colour *d*:

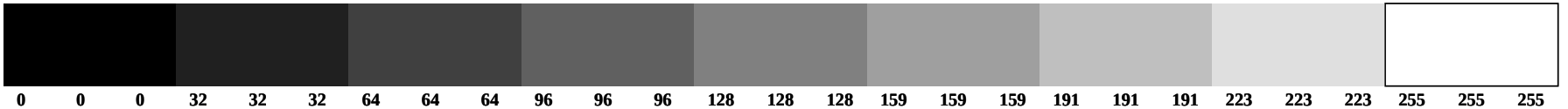
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.0	0.875	0.39	0.0	0.928	0.369	0.043
$olv^*_{Fa,\ 8bit}$	223	64	0	223	99	0	237	94	11
L^*, C^*_{ab}, h_{ab}	51.5	68.6	49.2	58.1	69.6	55.3	60.1	73.8	50.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.9	9.9	3D−in:	10.3	10.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
586	0.875	0.25	0.125	38.9	52.4	88.1	35.4	71.8	51.1	53.5	66.1	35.4	53.8	38.3	0.125	0.75	r15j	m95o		1.0	0.0	0.054	0.875	0.125	0.166
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
586	0.875	0.25	0.125	38.9	60.0	81.7	47.7	55.0	60.4	59.1	61.3	47.7	41.3	45.3	0.125	0.75	r33j	o15y		1.0	0.332	0.0	0.875	0.374	0.125

3 Colours no. *j*=586

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.875	0.25	0.125	0.875	0.125	0.166	0.928	0.227	0.167
$rgb^*_{Fa,\ 8bit}$	223	64	32	223	32	42	237	58	43
L^*, C^*_{ab}, h_{ab}	51.7	61.6	42.0	53.5	66.1	35.4	57.7	74.3	36.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−it:	9.3	9.3	

3 Colours no. *j*=586

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.875	0.25	0.125	0.875	0.374	0.125	0.939	0.378	0.171
$olv^*_{Fa,\ 8bit}$	223	64	32	223	95	32	239	96	44
L^*, C^*_{ab}, h_{ab}	51.7	61.6	42.0	59.1	61.3	47.7	66.3	64.5	45.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	15.5	15.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
587	0.875	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	59.0	50.8	25.5	45.9	21.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
587	0.875	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	60.8	53.9	38.2	42.3	33.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.625	b99r	m81o		1.0	0.0	0.189	0.875	0.25	0.368
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.625	r19j	m100o		1.0	0.19	0.0	0.875	0.369	0.25

3 Colours no. *j*=587

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.25	0.875	0.25	0.368	0.938	0.36	0.353
$rgb^*_{Fa,\ 8bit}$	223	64	64	223	64	94	239	92	90
L^*, C^*_{ab}, h_{ab}	52.1	53.4	25.5	59.0	50.8	25.5	62.1	56.5	25.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−it:	6.4	6.4	

3 Colours no. *j*=587

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.25	0.875	0.369	0.25	0.953	0.401	0.277
$olv^*_{Fa,\ 8bit}$	223	64	64	223	94	64	243	102	71
L^*, C^*_{ab}, h_{ab}	52.1	53.4	25.5	60.8	53.9	38.2	66.6	57.8	38.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.7	14.7	3D−in:	19.7	19.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
588	0.875	0.25	0.375	19.1	53.0	77.4	15.1	74.7	20.2	59.2	48.4	15.1	46.7	12.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
588	0.875	0.25	0.375	19.1	52.4	90.4	25.2	81.8	38.5	58.8	56.5	25.2	51.1	24.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.625	b90r	m70o		1.0	0.0	0.299	0.875	0.25	0.437
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.625	b99r	m82o		1.0	0.0	0.005	0.875	0.25	0.253

3 Colours no. *j*=588

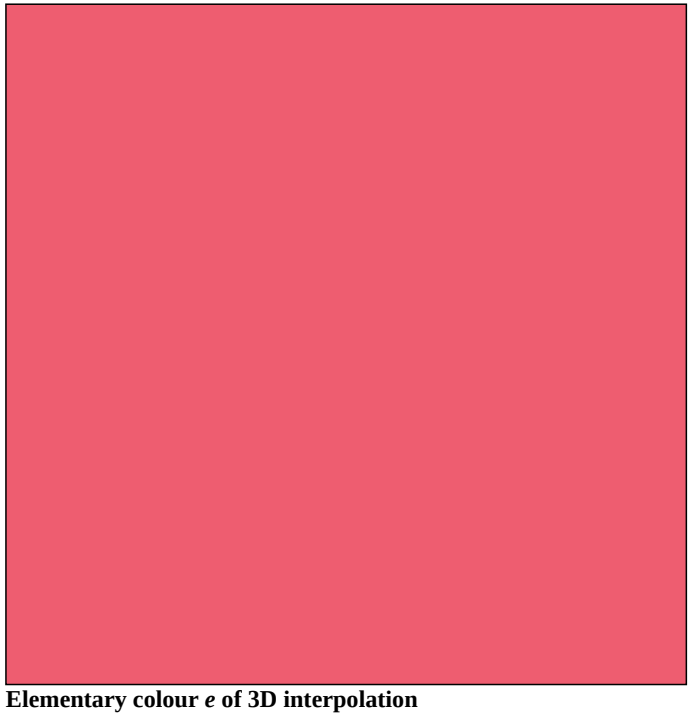
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.375	0.875	0.25	0.437	0.933	0.365	0.44
$rgb^*_{Fa,\ 8bit}$	223	64	96	223	64	111	238	93	112
L^*, C^*_{ab}, h_{ab}	52.5	51.4	10.0	59.2	48.4	15.1	62.5	54.9	14.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−it:	7.4	7.4	

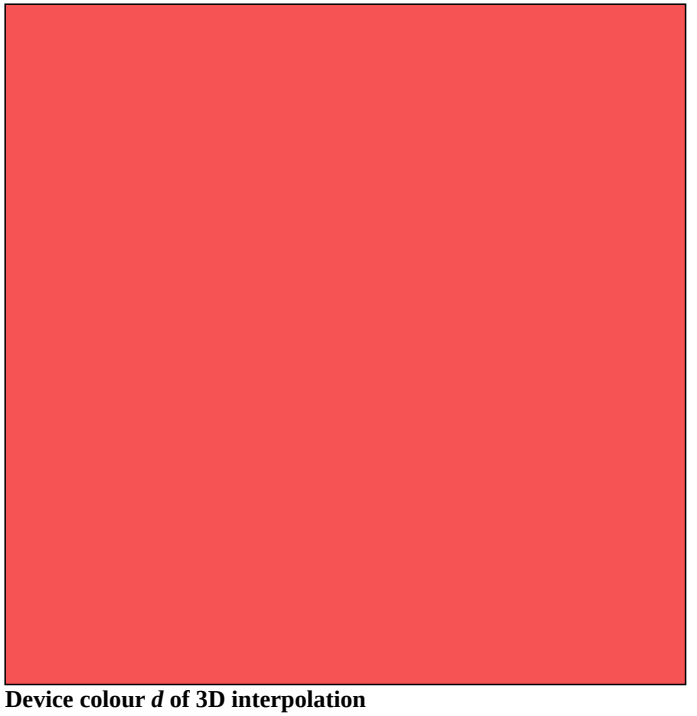
3 Colours no. *j*=588

output of the device colour *d*:

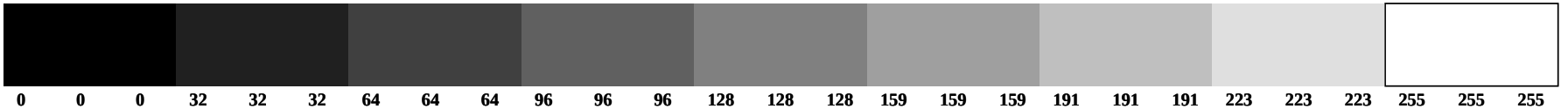
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.375	0.875	0.25	0.253	0.963	0.326	0.334
$olv^*_{Fa,\ 8bit}$	223	64	96	223	64	65	246	83	85
L^*, C^*_{ab}, h_{ab}	52.5	51.4	10.0	58.8	56.5	25.2	62.1	56.7	25.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.4	16.4	3D−in:	18.1	18.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
589	0.875	0.25	0.5	6.6	53.5	76.9	3.3	76.8	4.4	59.5	48.1	3.3	48.0	2.8
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
589	0.875	0.25	0.5	6.6	52.9	77.8	10.3	76.6	13.9	59.1	48.6	10.3	47.9	8.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.625	b80r	m56o		1.0	0.0	0.444	0.875	0.25	0.527
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.625	b86r	m61o		1.0	0.0	0.268	0.875	0.25	0.417

3 Colours no. *j*=589

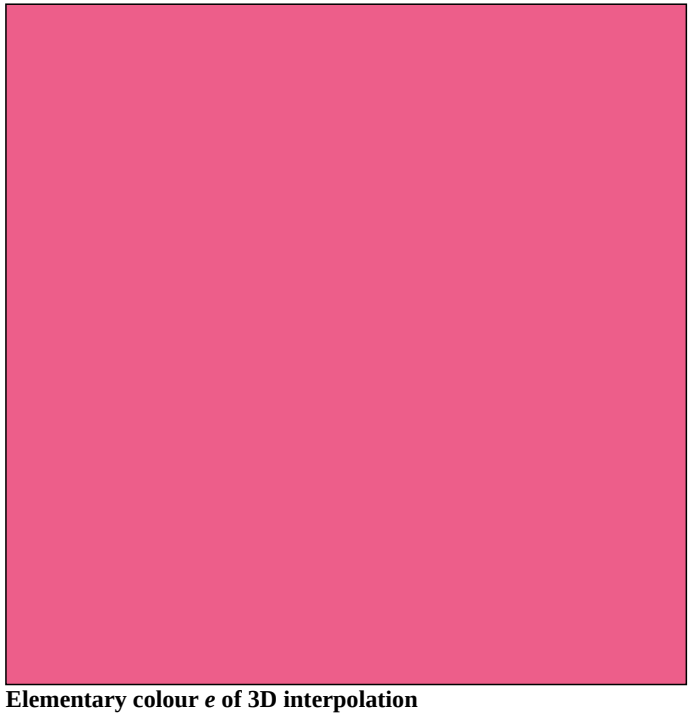
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.5	0.875	0.25	0.527	0.929	0.369	0.54
$rgb^*_{Fa,\ 8bit}$	223	64	128	223	64	134	237	94	138
L^*, C^*_{ab}, h_{ab}	53.0	53.4	355.9	59.5	48.1	3.3	61.5	54.8	3.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−it:	7.0	7.0	

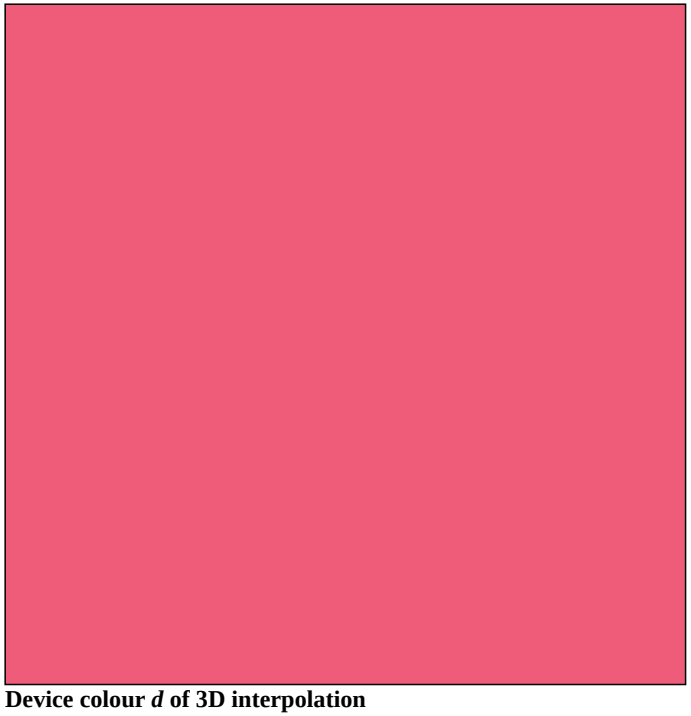
3 Colours no. *j*=589

output of the device colour *d*:

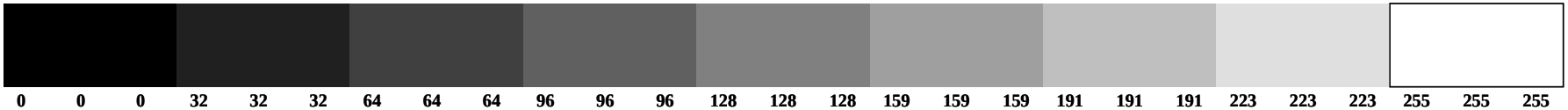
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.5	0.875	0.25	0.417	0.933	0.359	0.477
$olv^*_{Fa,\ 8bit}$	223	64	128	223	64	106	238	92	122
L^*, C^*_{ab}, h_{ab}	53.0	53.4	355.9	59.1	48.6	10.3	62.5	54.4	12.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.0	15.0	3D−in:	18.0	18.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
590	0.875	0.25	0.625	353.4	54.3	80.7	350.8	79.6	−12.8	60.0	50.4	350.8	49.8	−8.0	0.125	0.625	b69r	m38o		1.0	0.0	0.624	0.875	0.25	0.64
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
590	0.875	0.25	0.625	353.4	53.9	78.5	354.6	78.2	−7.4	59.8	49.1	354.6	48.9	−4.6	0.125	0.625	b72r	m39o		1.0	0.0	0.544	0.875	0.25	0.59

3 Colours no. *j*=590

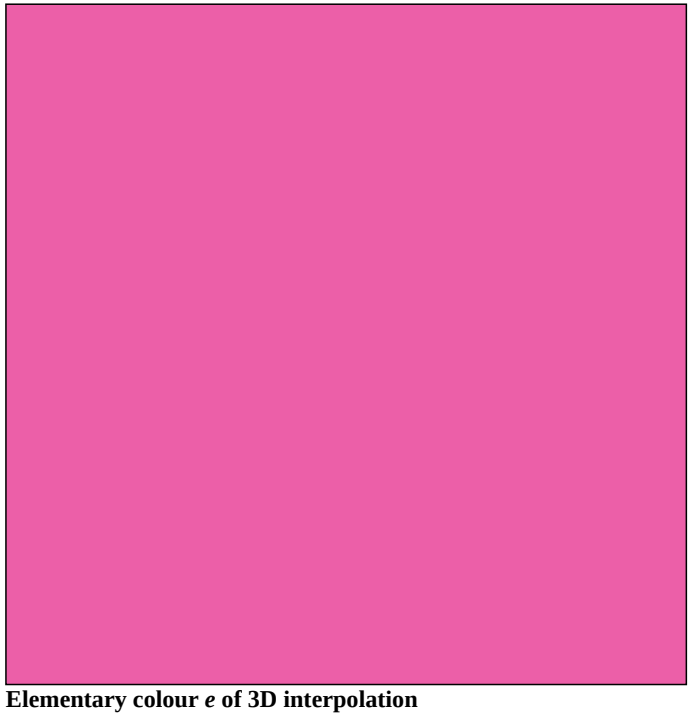
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.625	0.875	0.25	0.64	0.924	0.374	0.657
$rgb^*_{Fa,\ 8bit}$	223	64	159	223	64	163	236	95	168
L^*, C^*_{ab}, h_{ab}	53.6	58.1	344.9	60.0	50.4	350.8	62.0	55.9	351.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−it:	5.9	5.9	

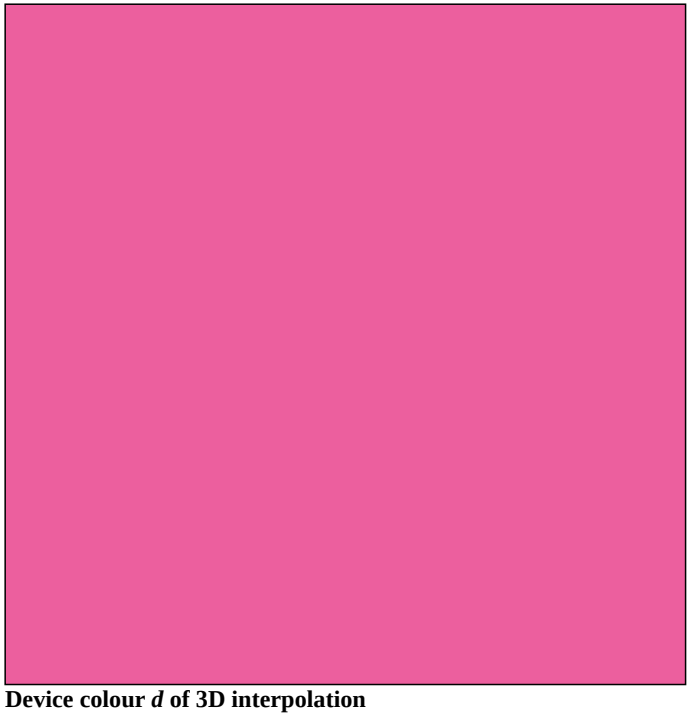
3 Colours no. *j*=590

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.625	0.875	0.25	0.59	0.924	0.373	0.618
$olv^*_{Fa,\ 8bit}$	223	64	159	223	64	150	236	95	158
L^*, C^*_{ab}, h_{ab}	53.6	58.1	344.9	59.8	49.1	354.6	61.5	53.5	358.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.1	14.1	3D−in:	16.2	16.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
591	0.875	0.25	0.75	340.9	55.6	90.1	338.9	84.1	−32.3	60.8	56.3	338.9	52.5	−20.1	0.125	0.625	b59r	m16o		1.0	0.0	0.836	0.875	0.25	0.773
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
591	0.875	0.25	0.75	340.9	55.4	88.4	339.6	82.9	−30.7	60.7	55.3	339.6	51.8	−19.1	0.125	0.625	b59r	m18o		1.0	0.0	0.806	0.875	0.25	0.754

3 Colours no. *j*=591

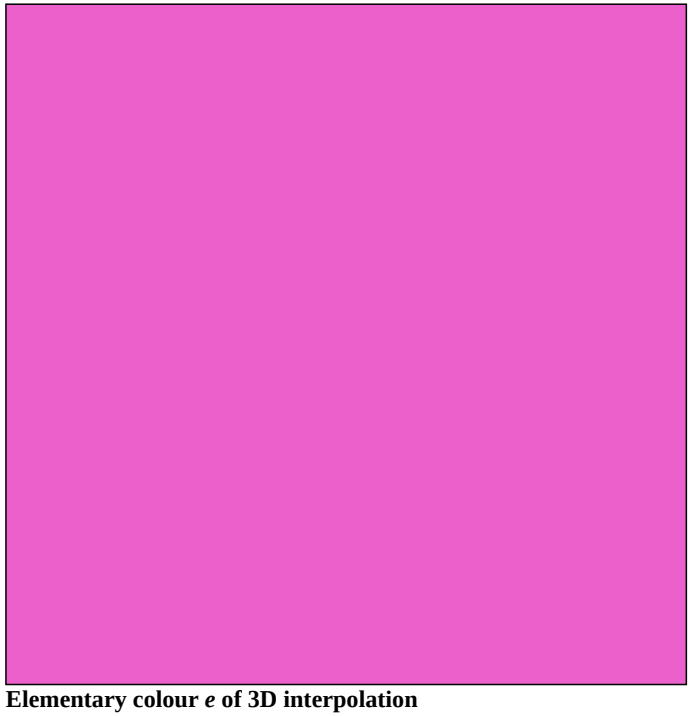
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.75	0.875	0.25	0.773	0.922	0.378	0.792
$rgb^*_{Fa,\ 8bit}$	223	64	191	223	64	197	235	96	202
L^*, C^*_{ab}, h_{ab}	54.3	64.7	336.1	60.8	56.3	338.9	63.0	60.8	341.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.1	11.1	3D−it:	5.6	5.6	

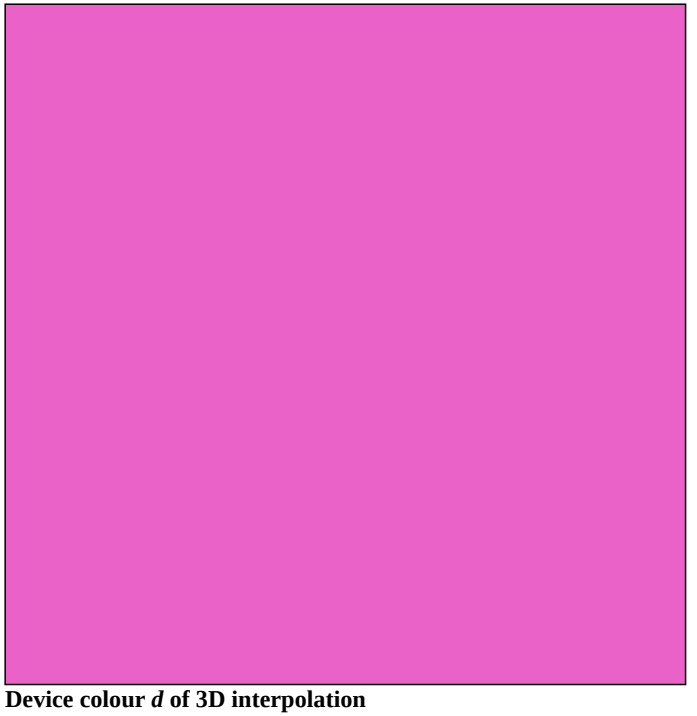
3 Colours no. *j*=591

output of the device colour *d*:

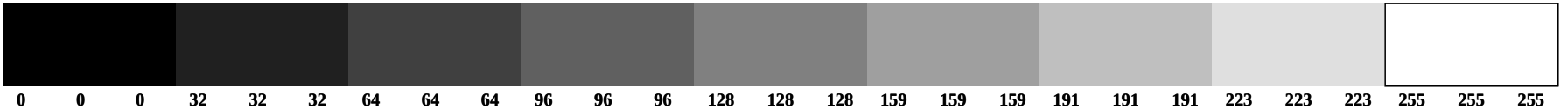
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.75	0.875	0.25	0.754	0.919	0.38	0.781
$olv^*_{Fa,\ 8bit}$	223	64	191	223	64	192	234	97	199
L^*, C^*_{ab}, h_{ab}	54.3	64.7	336.1	60.7	55.3	339.6	62.7	59.4	341.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	11.4	11.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
592	0.875	0.25	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	62.2	65.8	328.6	56.2	−34.2	0.125	0.625	b50r	m02o		1.0	0.0	0.976	0.875	0.25	0.86
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
592	0.875	0.25	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	61.6	67.9	326.6	56.7	−37.3	0.125	0.625	b47r	m00o		0.965	0.0	1.0	0.853	0.25	0.875

3 Colours no. *j*=592

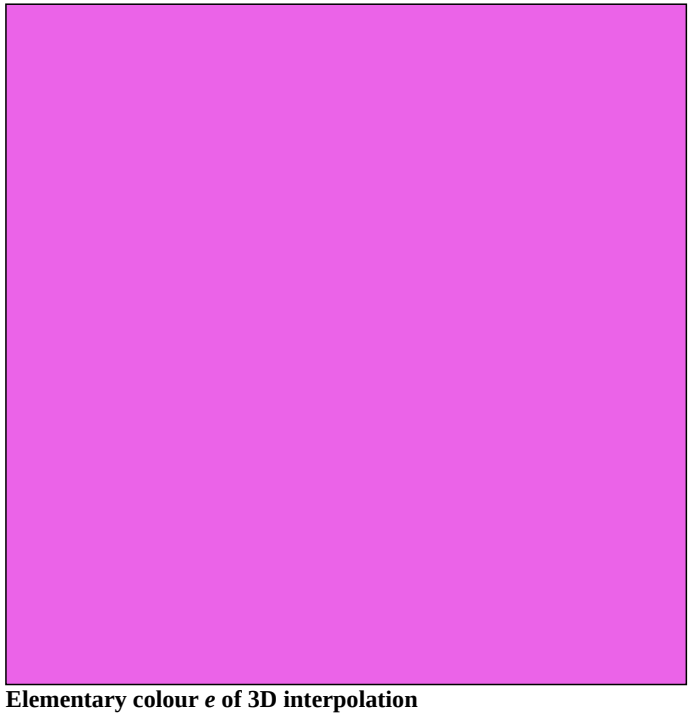
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.875	0.875	0.25	0.86	0.921	0.387	0.91
$rgb^*_{Fa,\ 8bit}$	223	64	223	223	64	219	235	99	232
L^*, C^*_{ab}, h_{ab}	55.2	73.4	328.7	62.2	65.8	328.6	65.0	68.6	332.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−it:	6.3	6.3	

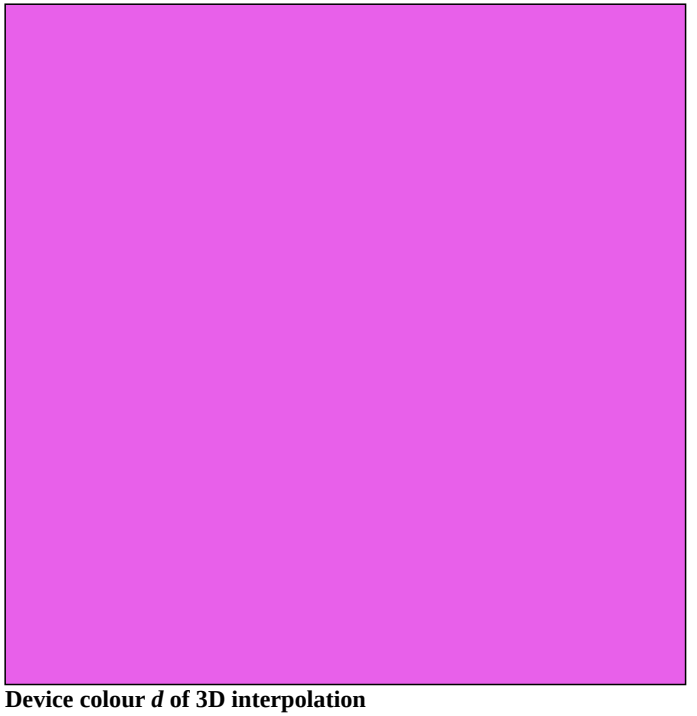
3 Colours no. *j*=592

output of the device colour *d*:

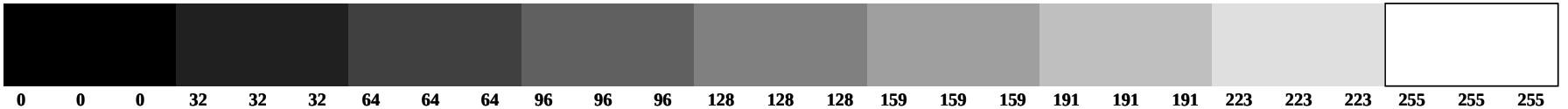
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.875	0.853	0.25	0.875	0.909	0.378	0.919
$olv^*_{Fa,\ 8bit}$	223	64	223	218	64	223	232	96	234
L^*, C^*_{ab}, h_{ab}	55.2	73.4	328.7	61.6	67.9	326.6	63.8	69.6	333.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−in:	10.9	10.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
593	0.875	0.25	1.0	321.1	52.2	109.5	320.1	84.0	−70.1	63.0	82.1	320.1	63.0	−52.5	0.0	0.75	b42r	v85m		0.852	0.0	1.0	0.889	0.25	1.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
593	0.875	0.25	1.0	321.1	54.3	109.0	323.3	87.4	−65.1	64.6	81.8	323.3	65.5	−48.8	0.0	0.75	b44r	v85m		0.906	0.0	1.0	0.93	0.25	1.0

3 Colours no. *j*=593

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	1.0	0.889	0.25	1.0	0.915	0.371	1.0
$rgb^*_{Fa,\ 8bit}$	223	64	255	227	64	255	233	95	255
L^*, C^*_{ab}, h_{ab}	57.8	93.3	319.2	63.0	82.1	320.1	64.3	83.7	322.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.4	12.4	3D−it:	4.1	4.1	

3 Colours no. *j*=593

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	1.0	0.93	0.25	1.0	0.959	0.373	0.997
$olv^*_{Fa,\ 8bit}$	223	64	255	237	64	255	245	95	254
L^*, C^*_{ab}, h_{ab}	57.8	93.3	319.2	64.6	81.8	323.3	66.2	82.9	325.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.7	14.7	3D−in:	16.4	16.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
594	0.875	0.375	0.0	55.3	60.8	81.0	53.6	48.0	65.2	55.4	70.9	53.6	42.0	57.1	0.125	0.875	r42j	o36y		1.0	0.358	0.0	0.875	0.313	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
594	0.875	0.375	0.0	55.3	69.4	79.0	65.0	33.4	71.6	62.9	69.2	65.0	29.2	62.7	0.125	0.875	r59j	o42y		1.0	0.591	0.0	0.875	0.517	0.0

3 Colours no. *j*=594

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.0	0.875	0.313	0.0	0.908	0.317	0.0
$rgb^*_{Fa,\ 8bit}$	223	96	0	223	80	0	232	81	0
L^*, C^*_{ab}, h_{ab}	56.2	65.9	60.3	55.4	70.9	53.6	61.5	75.0	51.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−it:	8.1	8.1	

3 Colours no. *j*=594

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.0	0.875	0.517	0.0	0.935	0.486	0.045
$olv^*_{Fa,\ 8bit}$	223	96	0	223	132	0	238	124	11
L^*, C^*_{ab}, h_{ab}	56.2	65.9	60.3	62.9	69.2	65.0	66.0	73.4	60.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−in:	12.4	12.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
595	0.875	0.375	0.125	49.1	57.2	84.2	46.8	57.7	61.3	57.0	63.1	46.8	43.2	46.0	0.125	0.75	r32j	o25y		1.0	0.246	0.0	0.875	0.309	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
595	0.875	0.375	0.125	49.1	65.7	78.9	58.4	41.3	67.2	63.4	59.1	58.4	31.0	50.4	0.125	0.75	r49j	o32y		1.0	0.493	0.0	0.875	0.495	0.125

3 Colours no. *j*=595

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.125	0.875	0.309	0.125	0.925	0.336	0.146
$rgb^*_{Fa,\ 8bit}$	223	96	32	223	79	32	236	86	37
L^*, C^*_{ab}, h_{ab}	56.3	58.1	54.6	57.0	63.1	46.8	62.4	68.4	47.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	7.6	7.6	

3 Colours no. *j*=595

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.125	0.875	0.495	0.125	0.94	0.488	0.174
$olv^*_{Fa,\ 8bit}$	223	96	32	223	126	32	240	124	44
L^*, C^*_{ab}, h_{ab}	56.3	58.1	54.6	63.4	59.1	58.4	71.0	62.0	54.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.2	8.2	3D−in:	15.2	15.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
596	0.875	0.375	0.25	40.9	52.4	90.1	37.6	71.4	55.0	58.8	56.3	37.6	44.6	34.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
596	0.875	0.375	0.25	40.9	61.0	80.8	49.7	52.2	61.7	64.2	50.5	49.7	32.6	38.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.625	r18j	m99o		1.0	0.0	0.012	0.875	0.25	0.257
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.625	r36j	o18y		1.0	0.363	0.0	0.875	0.477	0.25

3 Colours no. *j*=596

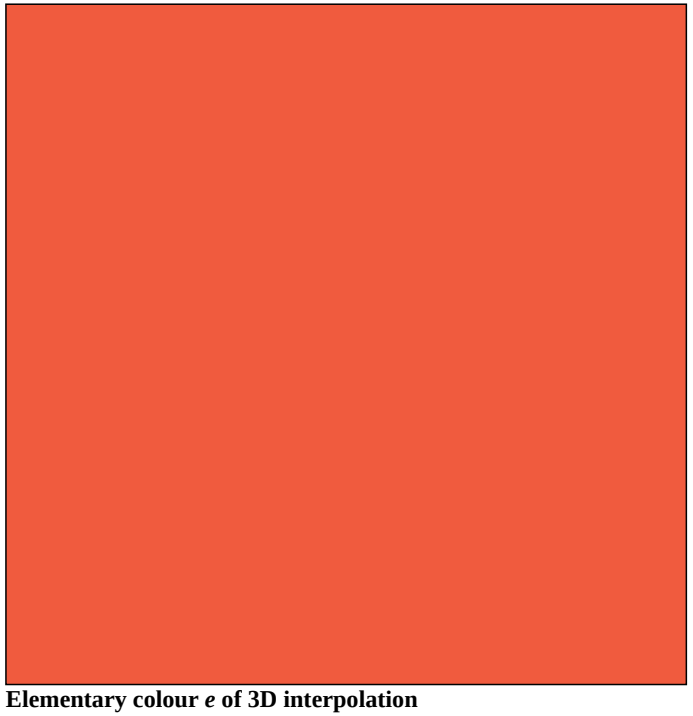
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.25	0.875	0.25	0.257	0.943	0.358	0.244
$rgb^*_{Fa,\ 8bit}$	223	96	64	223	64	66	240	91	62
L^*, C^*_{ab}, h_{ab}	56.7	46.7	39.5	58.8	56.3	37.6	61.7	62.2	37.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−it:	6.5	6.5	

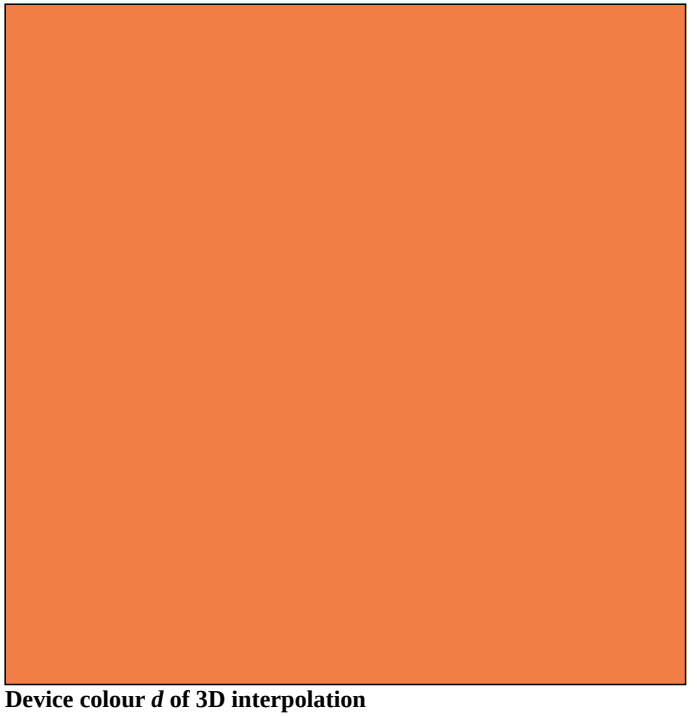
3 Colours no. *j*=596

output of the device colour *d*:

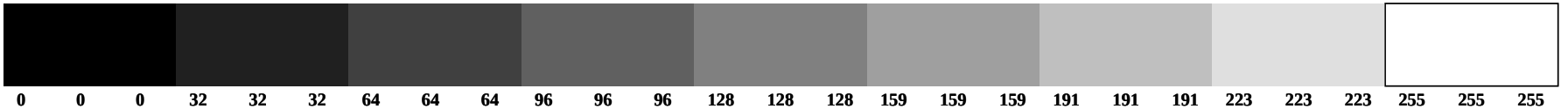
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.25	0.875	0.477	0.25	0.947	0.495	0.272
$olv^*_{Fa,\ 8bit}$	223	96	64	223	122	64	242	126	69
L^*, C^*_{ab}, h_{ab}	56.7	46.7	39.5	64.2	50.5	49.7	71.3	54.4	46.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−in:	17.8	17.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
597	0.875	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	64.3	40.7	25.5	36.7	17.5	0.125	0.5	b99r	m81o		1.0	0.0	0.189	0.875	0.375	0.469
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
597	0.875	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	65.8	43.1	38.2	33.9	26.6	0.125	0.5	r19j	m100o		1.0	0.19	0.0	0.875	0.47	0.375

3 Colours no. *j*=597

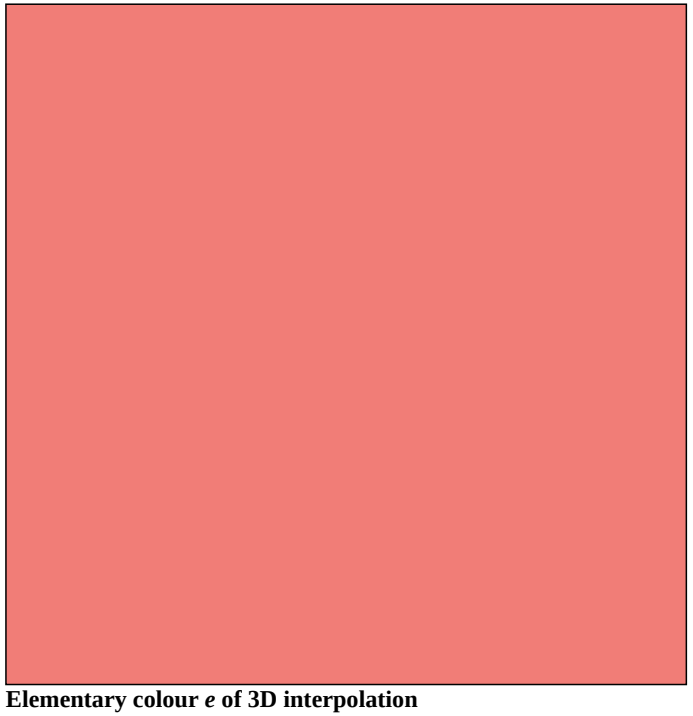
output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.375	0.875	0.375	0.469	0.944	0.489	0.467
$rgb^*_{Fa,\ 8bit}$	223	96	96	223	96	120	241	125	119
L^*, C^*_{ab}, h_{ab}	57.0	41.5	22.4	64.3	40.7	25.5	66.9	45.5	23.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	5.8	5.8	

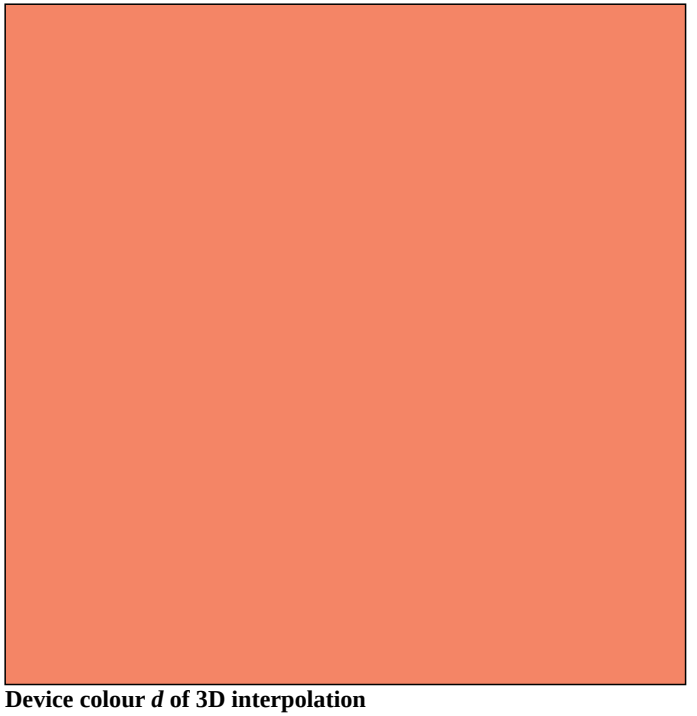
3 Colours no. *j*=597

output of the device colour *d*:

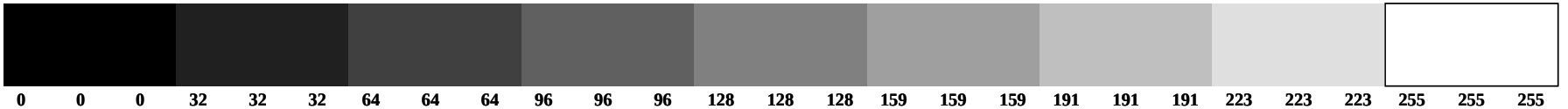
	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.375	0.875	0.47	0.375	0.958	0.52	0.401
$olv^*_{Fa,\ 8bit}$	223	96	96	223	120	96	244	132	102
L^*, C^*_{ab}, h_{ab}	57.0	41.5	22.4	65.8	43.1	38.2	71.6	46.8	37.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.6	14.6	3D−in:	19.3	19.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
598	0.875	0.375	0.5	16.1	53.1	76.9	12.3	75.2	16.4	64.5	38.5	12.3	37.6	8.2	0.125	0.5	b88r	m67o		1.0	0.0	0.332	0.875	0.375	0.541
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
598	0.875	0.375	0.5	16.1	52.5	87.4	21.6	81.3	32.2	64.2	43.7	21.6	40.6	16.1	0.125	0.5	b96r	m77o		1.0	0.0	0.068	0.875	0.375	0.409

3 Colours no. *j*=598

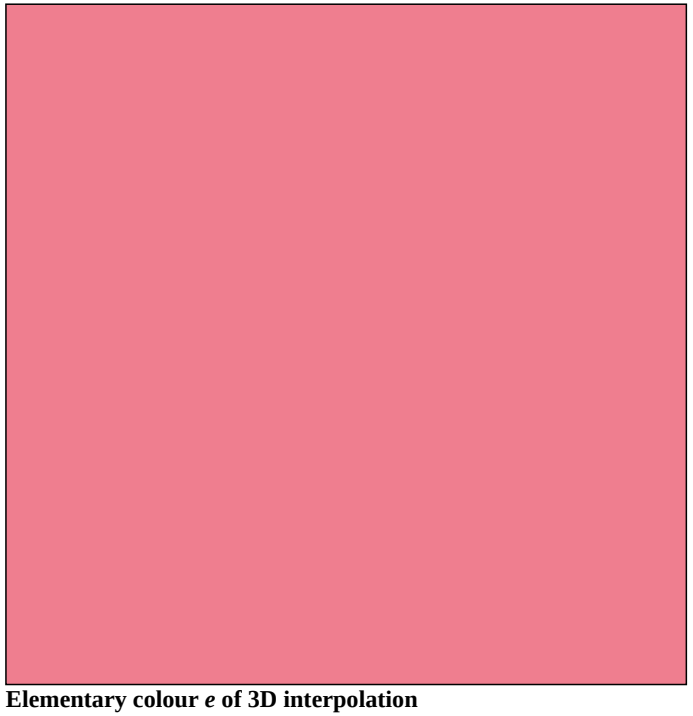
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.5	0.875	0.375	0.541	0.937	0.493	0.562
$rgb^*_{Fa,\ 8bit}$	223	96	128	223	96	138	239	126	143
L^*, C^*_{ab}, h_{ab}	57.5	41.4	4.3	64.5	38.5	12.3	67.3	45.3	12.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.5	9.5	3D−it:	7.3	7.3	

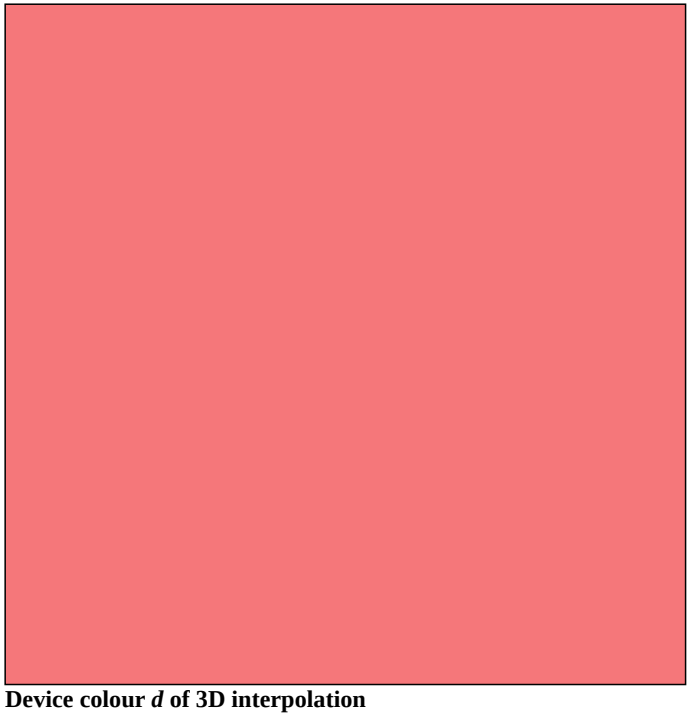
3 Colours no. *j*=598

output of the device colour *d*:

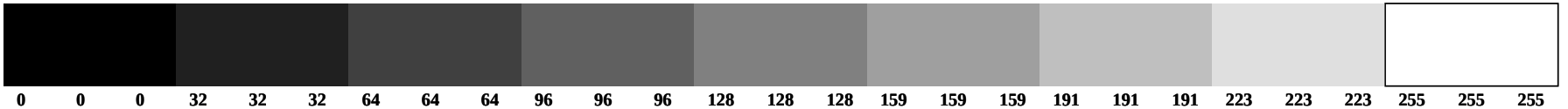
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.5	0.875	0.375	0.409	0.961	0.468	0.48
$olv^*_{Fa,\ 8bit}$	223	96	128	223	96	104	245	119	122
L^*, C^*_{ab}, h_{ab}	57.5	41.4	4.3	64.2	43.7	21.6	66.9	45.5	23.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.6	14.6	3D−in:	17.7	17.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
599	0.875	0.375	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	64.9	39.1	357.0	39.0	−1.9	0.125	0.5	b75r	m47o		1.0	0.0	0.529	0.875	0.375	0.639
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
599	0.875	0.375	0.625	0.0	53.4	76.6	2.4	76.5	3.2	64.7	38.3	2.4	38.3	1.6	0.125	0.5	b79r	m50o		1.0	0.0	0.406	0.875	0.375	0.578

3 Colours no. *j*=599

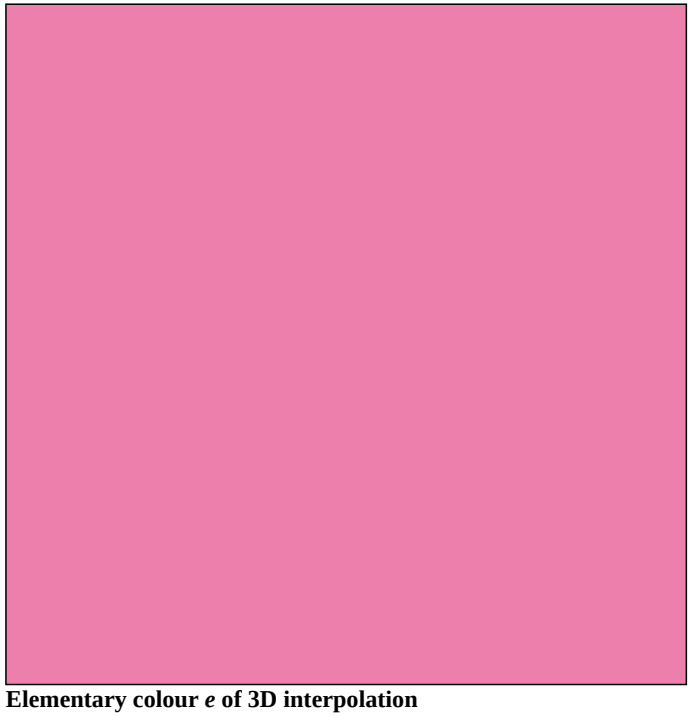
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.625	0.875	0.375	0.639	0.931	0.498	0.674
$rgb^*_{Fa,\ 8bit}$	223	96	159	223	96	163	237	127	172
L^*, C^*_{ab}, h_{ab}	58.0	45.0	349.6	64.9	39.1	357.0	72.4	42.6	3.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	9.5	9.5	

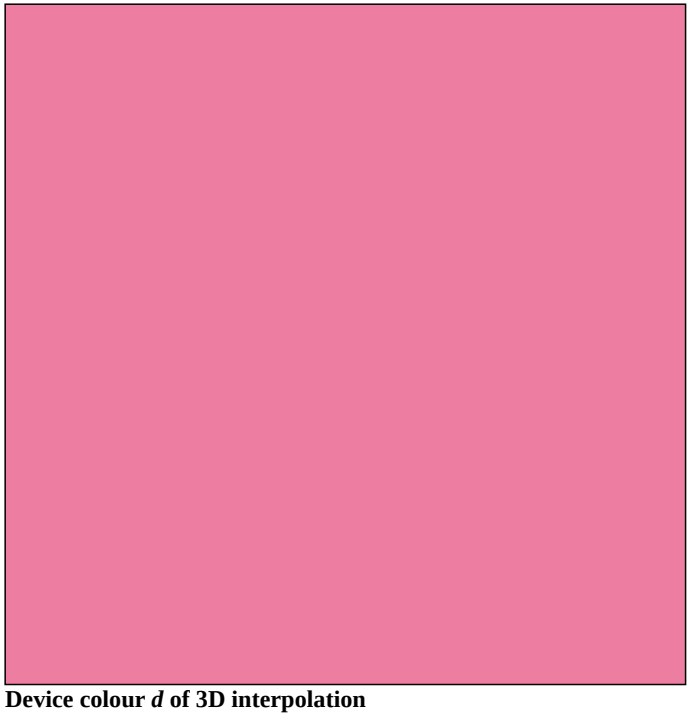
3 Colours no. *j*=599

output of the device colour *d*:

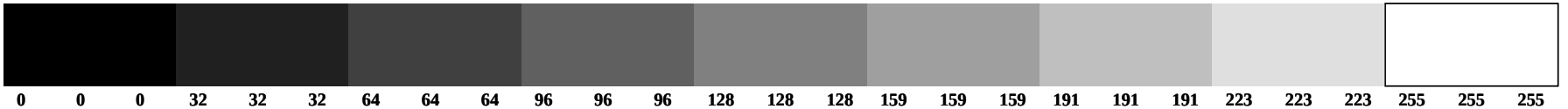
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.625	0.875	0.375	0.578	0.931	0.496	0.632
$olv^*_{Fa,\ 8bit}$	223	96	159	223	96	147	237	126	161
L^*, C^*_{ab}, h_{ab}	58.0	45.0	349.6	64.7	38.3	2.4	67.3	44.7	8.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.2	13.2	3D−in:	17.5	17.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
600	0.875	0.375	0.75	343.9	55.2	87.2	341.8	82.9	−27.2	65.6	43.6	341.8	41.4	−13.5	0.125	0.5	b61r	m22o		1.0	0.0	0.784	0.875	0.375	0.767
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
600	0.875	0.375	0.75	343.9	54.9	85.1	343.2	81.5	−24.5	65.5	42.6	343.2	40.8	−12.2	0.125	0.5	b63r	m23o		1.0	0.0	0.743	0.875	0.375	0.747

3 Colours no. *j*=600

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.75	0.875	0.375	0.767	0.927	0.503	0.801
$rgb^*_{Fa,\ 8bit}$	223	96	191	223	96	196	236	128	204
L^*, C^*_{ab}, h_{ab}	58.6	51.2	337.9	65.6	43.6	341.8	67.8	49.1	346.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−it:	6.9	6.9	

3 Colours no. *j*=600

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.75	0.875	0.375	0.747	0.924	0.503	0.787
$olv^*_{Fa,\ 8bit}$	223	96	191	223	96	190	236	128	201
L^*, C^*_{ab}, h_{ab}	58.6	51.2	337.9	65.5	42.6	343.2	67.5	47.8	345.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−in:	11.7	11.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
601	0.875	0.375	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	66.9	52.6	328.6	44.9	−27.3	0.125	0.5	b50r	m02o		1.0	0.0	0.976	0.875	0.375	0.863
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
601	0.875	0.375	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	66.4	54.3	326.6	45.4	−29.8	0.125	0.5	b47r	m00o		0.965	0.0	1.0	0.858	0.375	0.875

3 Colours no. *j*=601

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.875	0.875	0.375	0.863	0.924	0.513	0.913
$rgb^*_{Fa,\ 8bit}$	223	96	223	223	96	220	236	131	233
L^*, C^*_{ab}, h_{ab}	59.5	60.1	328.6	66.9	52.6	328.6	69.7	56.1	334.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	7.4	7.4	

3 Colours no. *j*=601

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.875	0.858	0.375	0.875	0.915	0.505	0.921
$olv^*_{Fa,\ 8bit}$	223	96	223	219	96	223	233	129	235
L^*, C^*_{ab}, h_{ab}	59.5	60.1	328.6	66.4	54.3	326.6	74.7	53.3	330.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−in:	16.7	16.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 602/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
602	0.875	0.375	1.0	319.1	50.4	110.1	318.3	82.2	−73.1	67.3	68.8	318.3	51.4	−45.7	0.0	0.625	b40r	v79m		0.794	0.0	1.0	0.871	0.375	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
602	0.875	0.375	1.0	319.1	53.8	109.1	322.5	86.6	−66.3	69.4	68.2	322.5	54.1	−41.4	0.0	0.625	b44r	v82m		0.893	0.0	1.0	0.933	0.375	1.0

3 Colours no. *j*=602

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	1.0	0.871	0.375	1.0	0.913	0.497	1.0
$rgb^*_{Fa,\ 8bit}$	223	96	255	222	96	255	233	127	255
L^*, C^*_{ab}, h_{ab}	61.7	80.7	317.6	67.3	68.8	318.3	68.4	70.6	321.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−it:	3.9	3.9	

3 Colours no. *j*=602

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	1.0	0.933	0.375	1.0	0.966	0.508	0.999
$olv^*_{Fa,\ 8bit}$	223	96	255	238	96	255	246	130	255
L^*, C^*_{ab}, h_{ab}	61.7	80.7	317.6	69.4	68.2	322.5	70.3	70.0	324.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−in:	16.7	16.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
603	0.875	0.5	0.0	64.7	66.2	78.8	64.1	34.4	70.9	60.1	68.9	64.1	30.1	62.0	0.125	0.875	r57j	o51y		1.0	0.508	0.0	0.875	0.444	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
603	0.875	0.5	0.0	64.7	75.8	82.0	75.0	21.2	79.2	68.6	71.7	75.0	18.6	69.3	0.125	0.875	r73j	o58y		1.0	0.741	0.0	0.875	0.648	0.0

3 Colours no. *j*=603

output of the elementary colour *e*:

rgb input (in):									
	0.875	0.5	0.0	0.875	0.444	0.0	0.908	0.442	0.005
rgb^*_{Fa}	223	128	0	223	113	0	232	113	1
$rgb^*_{Fa,\ 8bit}$	61.3	66.3	72.1	60.1	68.9	64.1	66.0	72.3	60.4
L^*, C^*_{ab}, h_{ab}				it−in:	9.8	9.8	3D−it:	8.2	8.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$									

3 Colours no. *j*=603

output of the device colour *d*:

rgb input (in):									
	0.875	0.5	0.0	0.875	0.648	0.0	0.947	0.613	0.044
olv^*_{Fa}	223	128	0	223	165	0	242	156	11
$olv^*_{Fa,\ 8bit}$	61.3	66.3	72.1	68.6	71.7	75.0	70.8	75.8	71.2
L^*, C^*_{ab}, h_{ab}				it−in:	9.8	9.8	3D−in:	13.5	13.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$									

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
604	0.875	0.5	0.125	60.0	63.5	79.7	58.9	41.2	68.2	61.8	59.8	58.9	30.9	51.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
604	0.875	0.5	0.125	60.0	72.5	80.1	70.0	27.4	75.3	68.5	60.1	70.0	20.6	56.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.75	r49j	o43y		1.0	0.434	0.0	0.875	0.45	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.75	r66j	o50y		1.0	0.666	0.0	0.875	0.625	0.125

3 Colours no. *j*=604

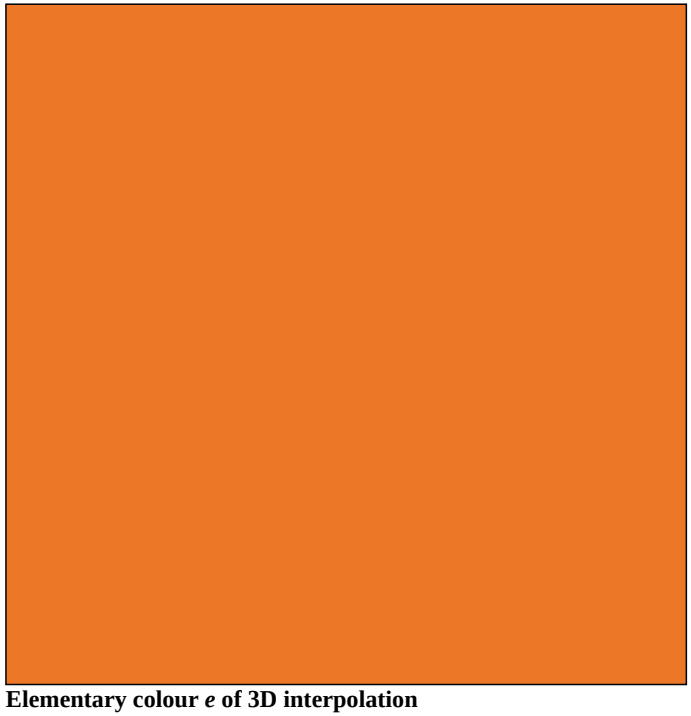
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.125	0.875	0.45	0.125	0.922	0.465	0.152
$rgb^*_{Fa,\ 8bit}$	223	128	32	223	115	32	235	119	39
L^*, C^*_{ab}, h_{ab}	61.4	57.7	68.3	61.8	59.8	58.9	66.3	69.1	57.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.9	9.9	3D−it:	10.6	10.6

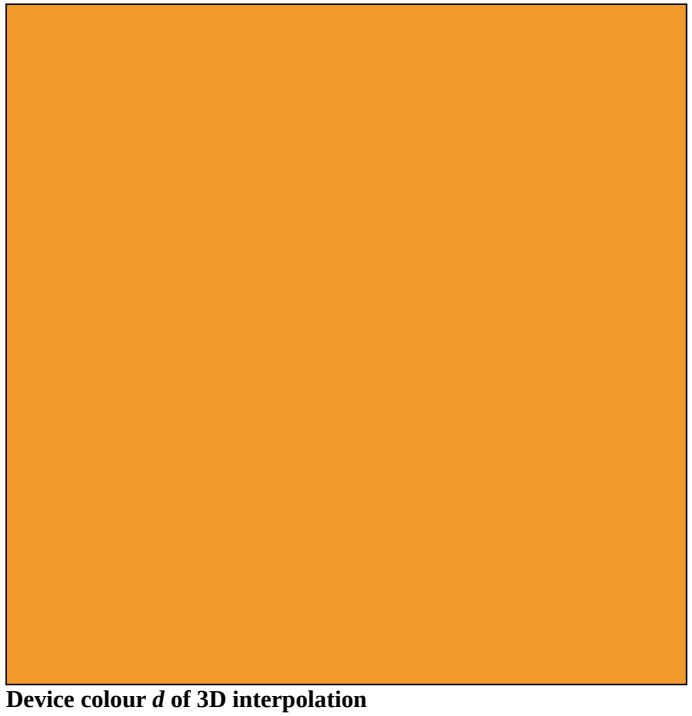
3 Colours no. *j*=604

output of the device colour *d*:

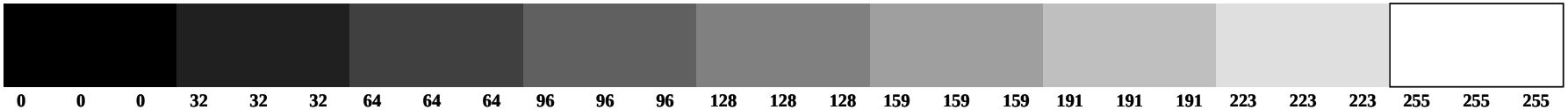
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.125	0.875	0.625	0.125	0.948	0.608	0.178
$olv^*_{Fa,\ 8bit}$	223	128	32	223	159	32	242	155	45
L^*, C^*_{ab}, h_{ab}	61.4	57.7	68.3	68.5	60.1	70.0	71.0	67.6	67.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.7	7.7	3D−in:	13.9	13.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
605	0.875	0.5	0.25	53.4	59.7	81.9	51.5	50.9	64.2	63.4	51.2	51.5	31.8	40.1	0.125	0.625	r39j	o32y		1.0	0.324	0.0	0.875	0.452	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
605	0.875	0.5	0.25	53.4	68.3	78.9	63.0	35.8	70.3	68.7	49.3	63.0	22.4	44.0	0.125	0.625	r56j	o39y		1.0	0.562	0.0	0.875	0.601	0.25

3 Colours no. *j*=605

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.25	0.875	0.452	0.25	0.936	0.487	0.248
$rgb^*_{Fa,\ 8bit}$	223	128	64	223	115	64	239	124	63
L^*, C^*_{ab}, h_{ab}	61.7	43.8	57.3	63.4	51.2	51.5	66.3	58.1	49.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 9.0	9.0		3D−it: 7.7	7.7	

3 Colours no. *j*=605

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.25	0.875	0.601	0.25	0.949	0.607	0.28
$olv^*_{Fa,\ 8bit}$	223	128	64	223	153	64	242	155	71
L^*, C^*_{ab}, h_{ab}	61.7	43.8	57.3	68.7	49.3	63.0	71.3	57.8	60.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 10.1	10.1		3D−in: 17.3	17.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
606	0.875	0.5	0.375	43.9	54.0	88.3	40.9	66.7	57.9	65.0	44.2	40.9	33.4	28.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
606	0.875	0.5	0.375	43.9	62.7	80.0	52.9	48.2	63.8	69.3	40.0	52.9	24.1	31.9

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.5	r23j	o13y		1.0	0.132	0.0	0.875	0.441	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.5	r41j	o23y		1.0	0.411	0.0	0.875	0.58	0.375

3 Colours no. *j*=606

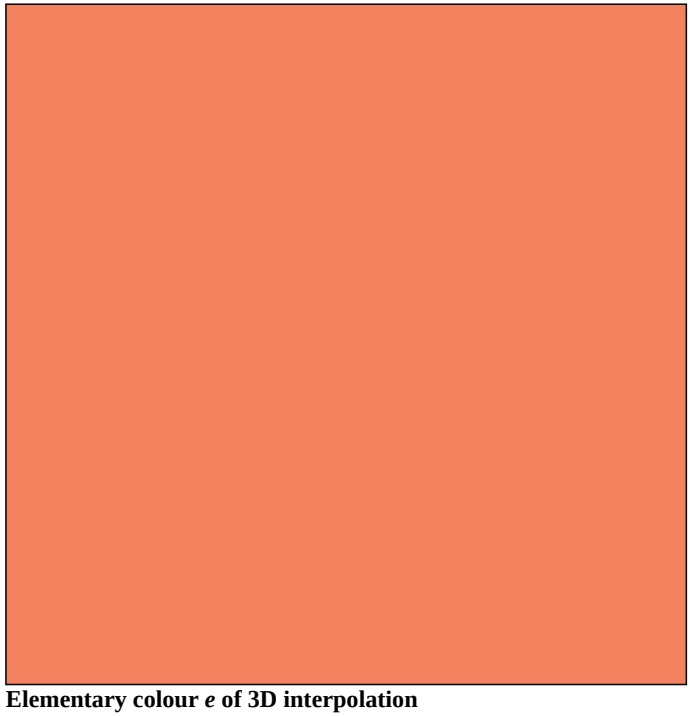
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.375	0.875	0.441	0.375	0.949	0.509	0.368
$rgb^*_{Fa,\ 8bit}$	223	128	96	223	112	96	242	130	94
L^*, C^*_{ab}, h_{ab}	62.0	35.0	41.6	65.0	44.2	40.9	66.6	50.0	37.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.7	9.7	3D−it:	6.6	6.6

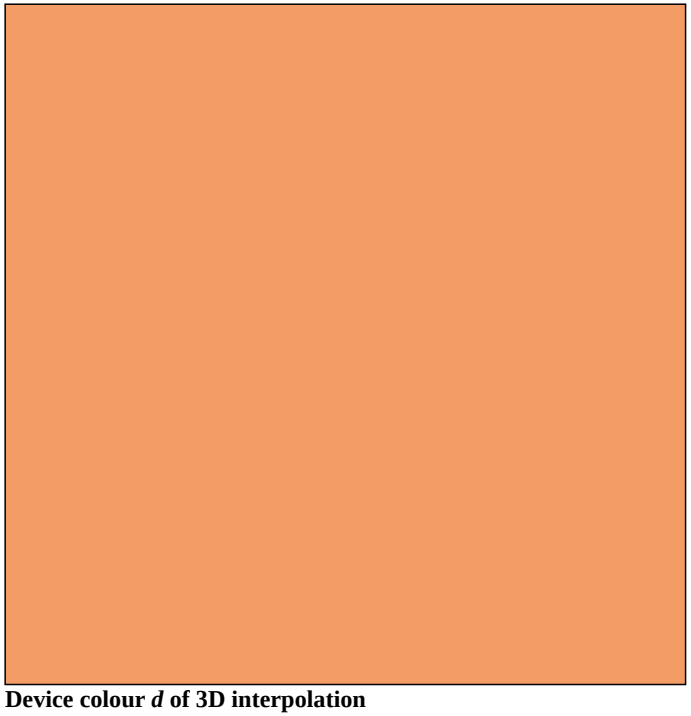
3 Colours no. *j*=606

output of the device colour *d*:

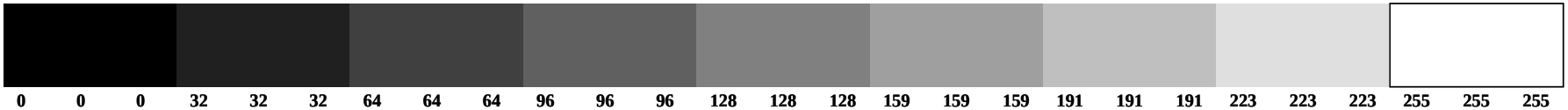
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.375	0.875	0.58	0.375	0.951	0.613	0.4
$olv^*_{Fa,\ 8bit}$	223	128	96	223	148	96	242	156	102
L^*, C^*_{ab}, h_{ab}	62.0	35.0	41.6	69.3	40.0	52.9	71.6	49.4	51.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.5	11.5	3D−in:	18.9	18.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
607	0.875	0.5	0.5	30.0	52.7	81.3	25.5	73.4	35.0	69.7	30.5	25.5	27.5	13.1	0.125	0.375	b99r	m81o		1.0	0.0	0.189	0.875	0.5	0.571
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
607	0.875	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	70.8	32.3	38.2	25.4	20.0	0.125	0.375	r19j	m100o		1.0	0.19	0.0	0.875	0.571	0.5

3 Colours no. *j*=607

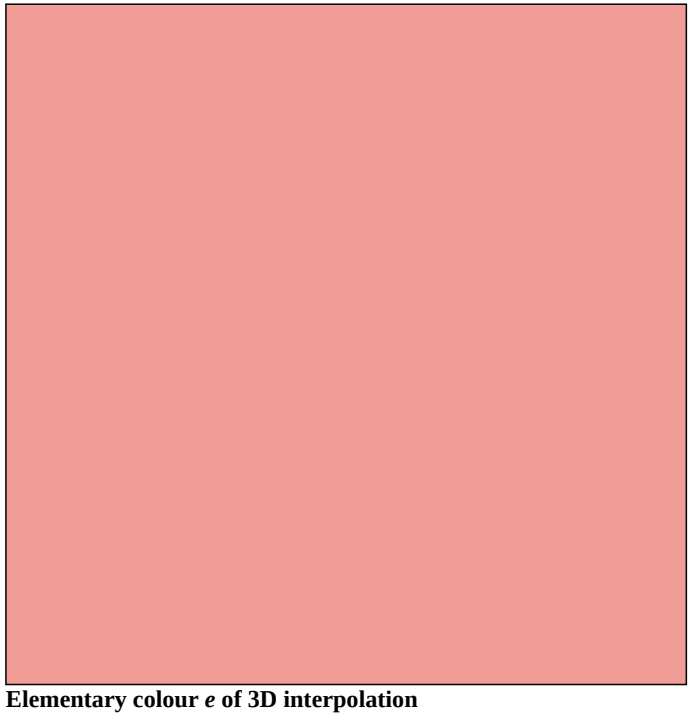
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.5	0.875	0.5	0.571	0.945	0.613	0.592
$rgb^*_{Fa,\ 8bit}$	223	128	128	223	128	146	241	156	151
L^*, C^*_{ab}, h_{ab}	62.4	31.0	19.6	69.7	30.5	25.5	72.0	35.6	22.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−it:	5.8	5.8	

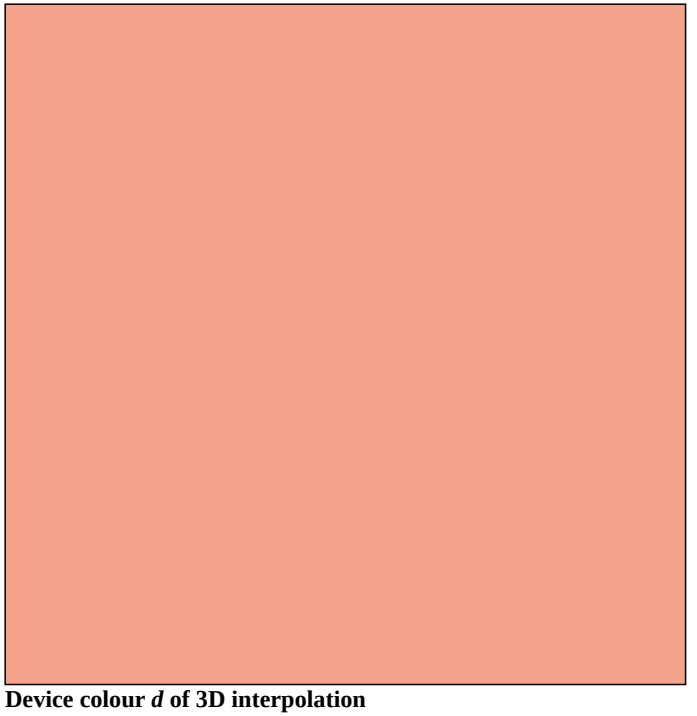
3 Colours no. *j*=607

output of the device colour *d*:

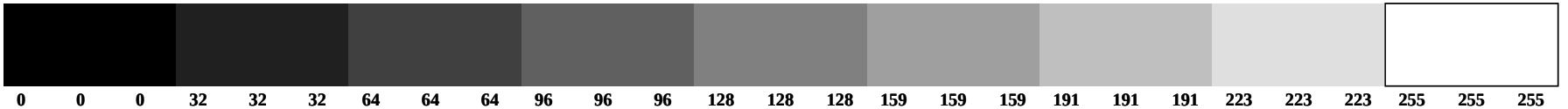
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.5	0.875	0.571	0.5	0.956	0.635	0.538
$olv^*_{Fa,\ 8bit}$	223	128	128	223	146	128	244	162	137
L^*, C^*_{ab}, h_{ab}	62.4	31.0	19.6	70.8	32.3	38.2	77.4	37.3	35.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.3	13.3	3D−in:	18.8	18.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
608	0.875	0.5	0.625	10.9	53.3	76.5	7.4	75.8	9.8	69.9	28.7	7.4	28.4	3.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
608	0.875	0.5	0.625	10.9	52.7	81.9	15.4	79.0	21.8	69.7	30.7	15.4	29.6	8.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.375	b83r	m61o		1.0	0.0	0.391	0.875	0.5	0.647
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.375	b90r	m68o		1.0	0.0	0.177	0.875	0.5	0.566

3 Colours no. *j*=608

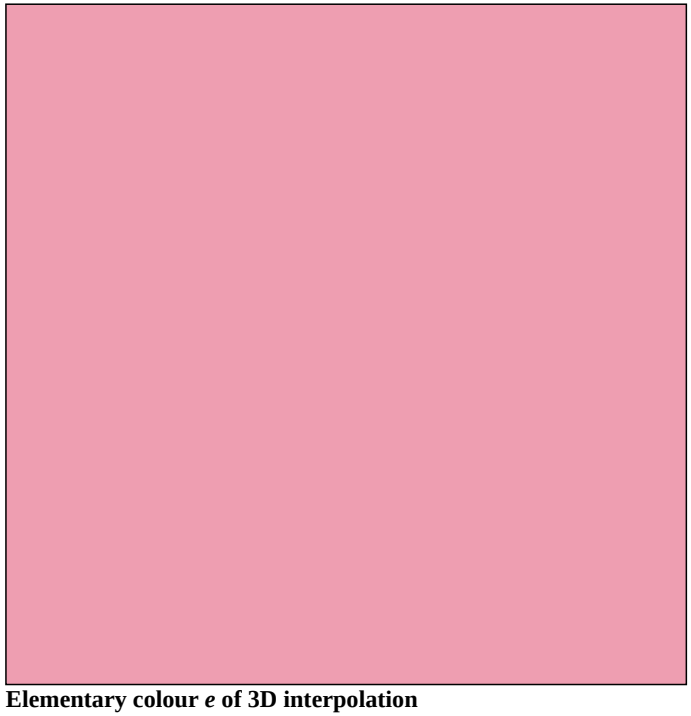
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.625	0.875	0.5	0.647	0.935	0.618	0.695
$rgb^*_{Fa,\ 8bit}$	223	128	159	223	128	165	238	158	177
L^*, C^*_{ab}, h_{ab}	62.9	31.9	358.9	69.9	28.7	7.4	72.4	35.9	7.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−it:	7.6	7.6	

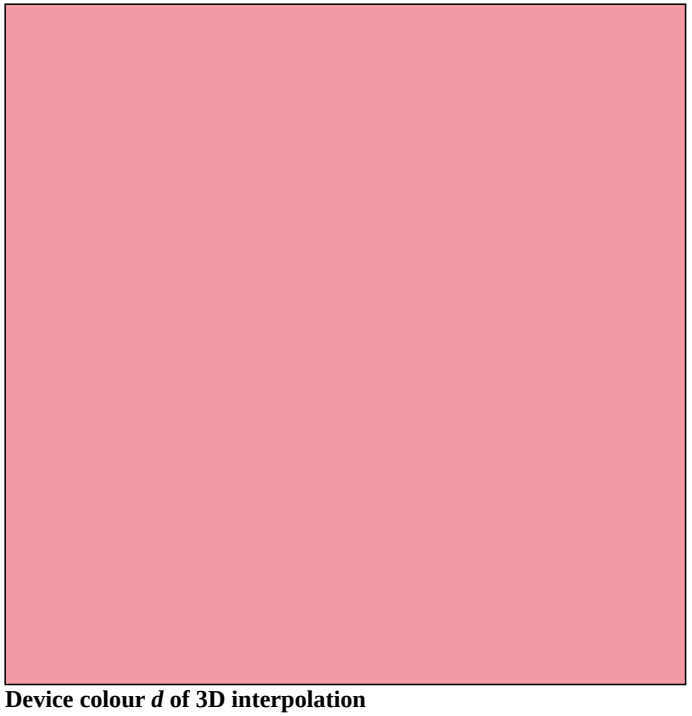
3 Colours no. *j*=608

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.625	0.875	0.5	0.566	0.948	0.606	0.644
$olv^*_{Fa,\ 8bit}$	223	128	159	223	128	144	242	154	164
L^*, C^*_{ab}, h_{ab}	62.9	31.9	358.9	69.7	30.7	15.4	72.4	38.1	21.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−in:	17.6	17.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
609	0.875	0.5	0.75	349.1	54.7	83.3	346.7	81.1	−19.0	70.4	31.3	346.7	30.4	−7.1	0.125	0.375	b66r	m30o		1.0	0.0	0.696	0.875	0.5	0.761
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
609	0.875	0.5	0.75	349.1	54.4	81.0	349.4	79.7	−14.8	70.3	30.4	349.4	29.9	−5.5	0.125	0.375	b68r	m32o		1.0	0.0	0.634	0.875	0.5	0.738

3 Colours no. *j*=609

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.75	0.875	0.5	0.761	0.928	0.624	0.812
$rgb^*_{Fa,\ 8bit}$	223	128	191	223	128	194	237	159	207
L^*, C^*_{ab}, h_{ab}	63.4	37.1	341.6	70.4	31.3	346.7	78.3	34.4	357.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	10.6	10.6	

3 Colours no. *j*=609

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.75	0.875	0.5	0.738	0.928	0.623	0.795
$olv^*_{Fa,\ 8bit}$	223	128	191	223	128	188	237	159	203
L^*, C^*_{ab}, h_{ab}	63.4	37.1	341.6	70.3	30.4	349.4	72.2	36.7	354.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−in:	11.9	11.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
610	0.875	0.5	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	71.6	39.5	328.6	33.7	−20.5	0.125	0.375	b50r	m02o		1.0	0.0	0.976	0.875	0.5	0.866
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
610	0.875	0.5	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	71.2	40.7	326.6	34.0	−22.3	0.125	0.375	b47r	m00o		0.965	0.0	1.0	0.862	0.5	0.875

3 Colours no. *j*=610

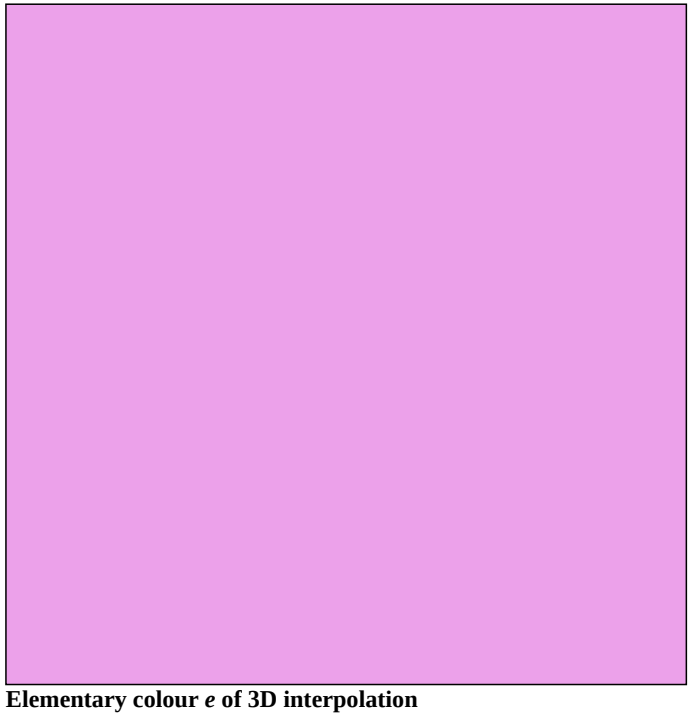
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.875	0.875	0.5	0.866	0.925	0.632	0.916
$rgb^*_{Fa,\ 8bit}$	223	128	223	223	128	221	236	161	234
L^*, C^*_{ab}, h_{ab}	64.1	45.8	328.7	71.6	39.5	328.6	79.8	37.6	334.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−it:	9.3	9.3	

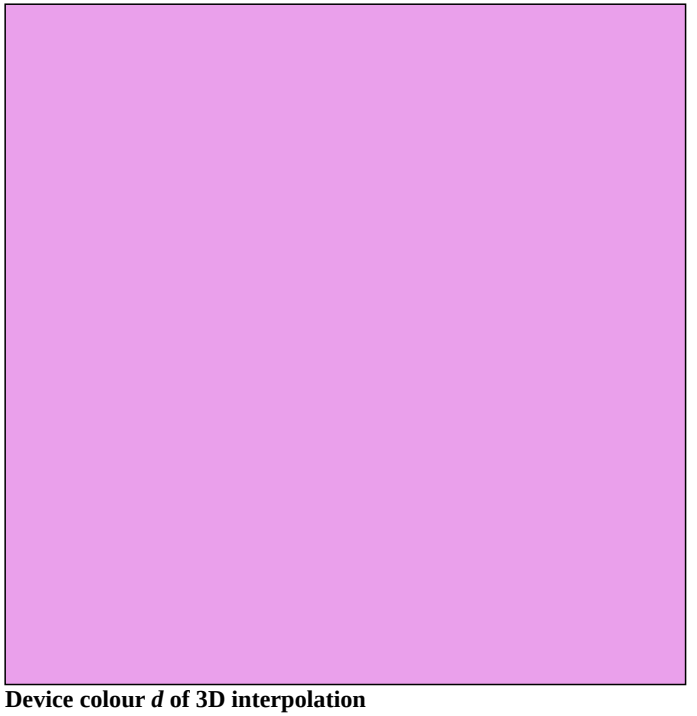
3 Colours no. *j*=610

output of the device colour *d*:

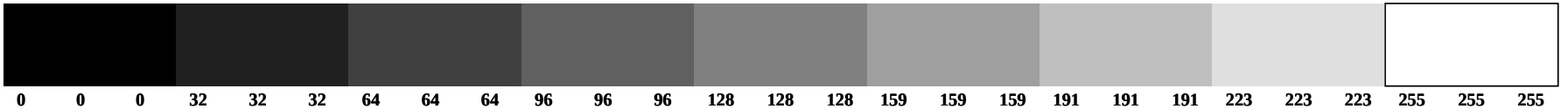
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.875	0.862	0.5	0.875	0.918	0.627	0.922
$olv^*_{Fa,\ 8bit}$	223	128	223	220	128	223	234	160	235
L^*, C^*_{ab}, h_{ab}	64.1	45.8	328.7	71.2	40.7	326.6	79.8	39.4	329.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−in:	16.9	16.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
611	0.875	0.5	1.0	316.1	47.5	111.4	315.4	79.4	−78.0	71.5	55.7	315.4	39.7	−39.0	0.0	0.5	b38r	v70m		0.696	0.0	1.0	0.848	0.5	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
611	0.875	0.5	1.0	316.1	52.9	109.2	321.4	85.4	−68.0	74.2	54.6	321.4	42.7	−34.0	0.0	0.5	b43r	v77m		0.873	0.0	1.0	0.937	0.5	1.0

3 Colours no. *j*=611

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	1.0	0.848	0.5	1.0	0.906	0.614	1.0
$rgb^*_{Fa,\ 8bit}$	223	128	255	216	128	255	231	157	255
L^*, C^*_{ab}, h_{ab}	66.2	67.2	315.4	71.5	55.7	315.4	72.1	58.0	318.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.7	12.7	3D−it:	3.7	3.7	

3 Colours no. *j*=611

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	1.0	0.937	0.5	1.0	0.969	0.634	1.0
$olv^*_{Fa,\ 8bit}$	223	128	255	239	128	255	247	162	255
L^*, C^*_{ab}, h_{ab}	66.2	67.2	315.4	74.2	54.6	321.4	74.7	56.9	324.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.2	16.2	3D−in:	16.4	16.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
612	0.875	0.625	0.0	73.9	71.7	79.7	74.4	21.5	76.8	65.0	69.7	74.4	18.8	67.2	0.125	0.875	r72j	o65y		1.0	0.648	0.0	0.875	0.567	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
612	0.875	0.625	0.0	73.9	83.9	90.0	84.7	8.3	89.7	75.6	78.8	84.7	7.2	78.4	0.125	0.875	r88j	o73y		1.0	0.887	0.0	0.875	0.776	0.0

3 Colours no. *j*=612

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.0	0.875	0.567	0.0	0.909	0.56	0.008
$rgb^*_{Fa,\ 8bit}$	223	159	0	223	145	0	232	143	2
L^*, C^*_{ab}, h_{ab}	66.5	69.3	82.9	65.0	69.7	74.4	68.7	74.1	74.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−it:	5.7	5.7	

3 Colours no. *j*=612

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.0	0.875	0.776	0.0	0.969	0.754	0.029
$olv^*_{Fa,\ 8bit}$	223	159	0	223	198	0	247	192	7
L^*, C^*_{ab}, h_{ab}	66.5	69.3	82.9	75.6	78.8	84.7	76.3	84.4	81.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.4	13.4	3D−in:	18.1	18.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
613	0.875	0.625	0.125	70.9	69.9	79.1	71.0	25.7	74.8	66.5	59.3	71.0	19.3	56.1	0.125	0.75	r67j	o60y		1.0	0.603	0.0	0.875	0.577	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
613	0.875	0.625	0.125	70.9	81.0	86.9	81.5	12.8	86.0	74.9	65.2	81.5	9.6	64.5	0.125	0.75	r83j	o68y		1.0	0.839	0.0	0.875	0.754	0.125

3 Colours no. *j*=613

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.125	0.875	0.577	0.125	0.92	0.584	0.16
$rgb^*_{Fa,\ 8bit}$	223	159	32	223	147	32	235	149	41
L^*, C^*_{ab}, h_{ab}	66.6	60.9	81.1	66.5	59.3	71.0	71.7	62.3	70.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−it:	6.1	6.1	

3 Colours no. *j*=613

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.125	0.875	0.754	0.125	0.964	0.739	0.18
$olv^*_{Fa,\ 8bit}$	223	159	32	223	192	32	246	188	46
L^*, C^*_{ab}, h_{ab}	66.6	60.9	81.1	74.9	65.2	81.5	76.5	72.3	78.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−in:	15.3	15.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
614	0.875	0.625	0.25	66.6	67.3	78.9	66.2	31.8	72.2	68.1	49.3	66.2	19.9	45.1	0.125	0.625	r60j	o54y		1.0	0.537	0.0	0.875	0.585	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
614	0.875	0.625	0.25	66.6	77.3	83.3	77.0	18.8	81.2	74.4	52.1	77.0	11.7	50.7	0.125	0.625	r76j	o61y		1.0	0.771	0.0	0.875	0.732	0.25

3 Colours no. *j*=614

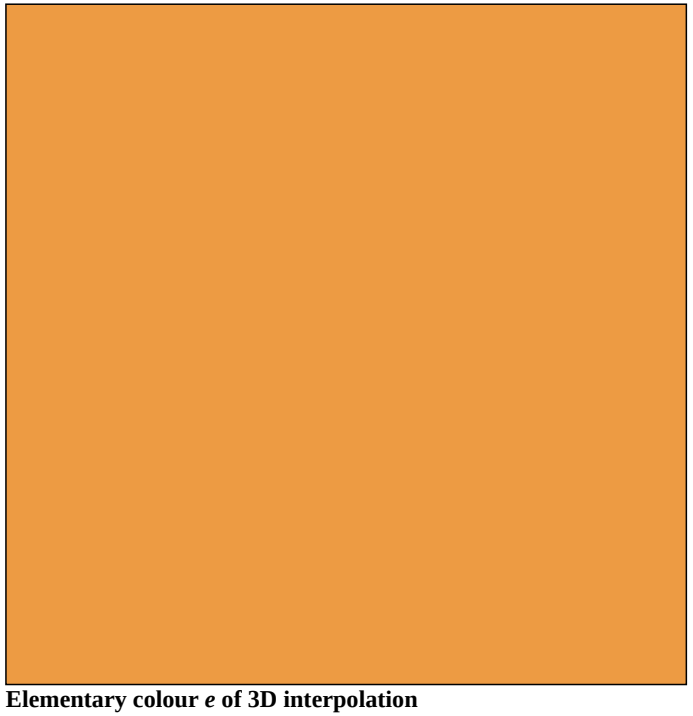
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.25	0.875	0.585	0.25	0.931	0.609	0.261
$rgb^*_{Fa,\ 8bit}$	223	159	64	223	149	64	237	155	67
L^*, C^*_{ab}, h_{ab}	66.9	45.5	74.9	68.1	49.3	66.2	71.0	57.0	62.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 8.2	8.2	3D−it:	8.9	8.9	

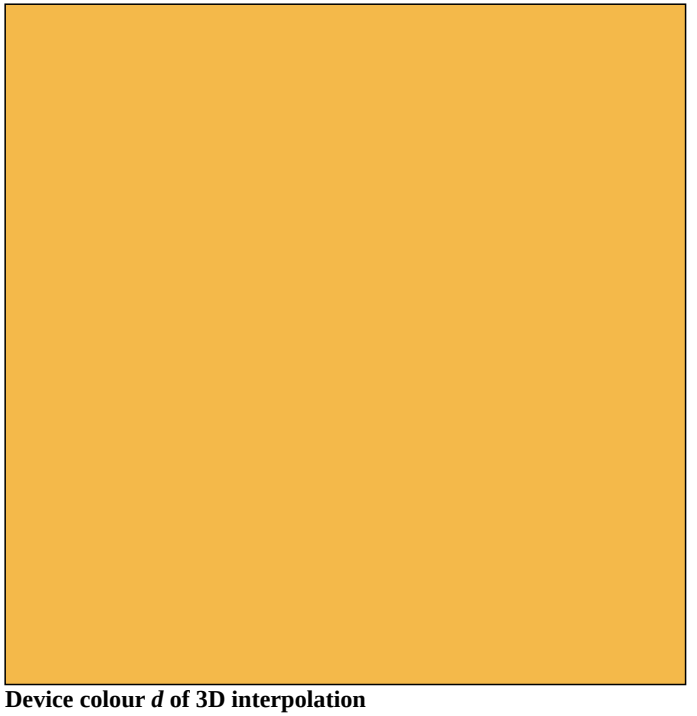
3 Colours no. *j*=614

output of the device colour *d*:

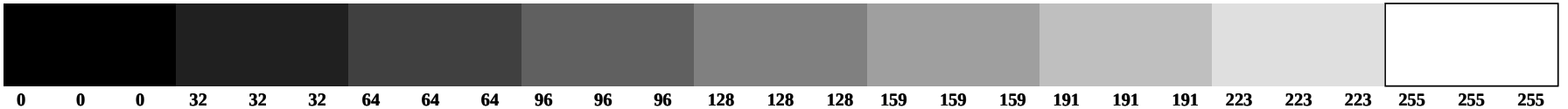
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.25	0.875	0.732	0.25	0.958	0.727	0.29
$olv^*_{Fa,\ 8bit}$	223	159	64	223	187	64	244	185	74
L^*, C^*_{ab}, h_{ab}	66.9	45.5	74.9	74.4	52.1	77.0	76.8	58.6	74.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in: 10.1	10.1	3D−in:	16.4	16.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
615	0.875	0.625	0.375	60.0	63.5	79.7	58.9	41.2	68.2	69.7	39.8	58.9	20.6	34.1	0.125	0.5	r49j	o43y		1.0	0.434	0.0	0.875	0.592	0.375
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
615	0.875	0.625	0.375	60.0	72.5	80.1	70.0	27.4	75.3	74.2	40.1	70.0	13.7	37.7	0.125	0.5	r66j	o50y		1.0	0.666	0.0	0.875	0.708	0.375

3 Colours no. *j*=615

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.375	0.875	0.592	0.375	0.741	0.722	0.55
$rgb^*_{Fa,\ 8bit}$	223	159	96	223	151	96	189	184	140
L^*, C^*_{ab}, h_{ab}	67.2	33.9	65.1	69.7	39.8	58.9	77.1	42.2	56.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−it:	7.8	7.8	

3 Colours no. *j*=615

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.375	0.875	0.708	0.375	0.952	0.722	0.413
$olv^*_{Fa,\ 8bit}$	223	159	96	223	181	96	243	184	105
L^*, C^*_{ab}, h_{ab}	67.2	33.9	65.1	74.2	40.1	70.0	77.1	46.1	66.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.9	9.9	3D−in:	15.8	15.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
616	0.875	0.625	0.5	49.1	57.2	84.2	46.7	57.7	61.3	71.4	31.6	46.7	21.6	23.0	0.125	0.375	r32j	o25y		1.0	0.246	0.0	0.875	0.592	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
616	0.875	0.625	0.5	49.1	65.7	78.9	58.4	41.3	67.2	74.5	29.6	58.4	15.5	25.2	0.125	0.375	r49j	o32y		1.0	0.493	0.0	0.875	0.685	0.5

3 Colours no. *j*=616

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.5	0.875	0.592	0.5	0.946	0.657	0.516
$rgb^*_{Fa,\ 8bit}$	223	159	128	223	151	128	241	167	132
L^*, C^*_{ab}, h_{ab}	67.5	25.1	47.3	71.4	31.6	46.7	77.4	33.2	46.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−it:	6.2	6.2	

3 Colours no. *j*=616

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.5	0.875	0.685	0.5	0.947	0.725	0.542
$olv^*_{Fa,\ 8bit}$	223	159	128	223	175	128	241	185	138
L^*, C^*_{ab}, h_{ab}	67.5	25.1	47.3	74.5	29.6	58.4	77.4	35.2	54.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.9	9.9	3D−in:	14.6	14.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
617	0.875	0.625	0.625	30.0	52.7	81.3	25.5	73.4	35.0	75.0	20.3	25.5	18.3	8.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
617	0.875	0.625	0.625	30.0	55.6	86.2	38.2	67.8	53.3	75.7	21.6	38.2	16.9	13.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.25	b99r	m81o		1.0	0.0	0.189	0.875	0.625	0.672
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.25	r19j	m100o		1.0	0.19	0.0	0.875	0.673	0.625

3 Colours no. *j*=617

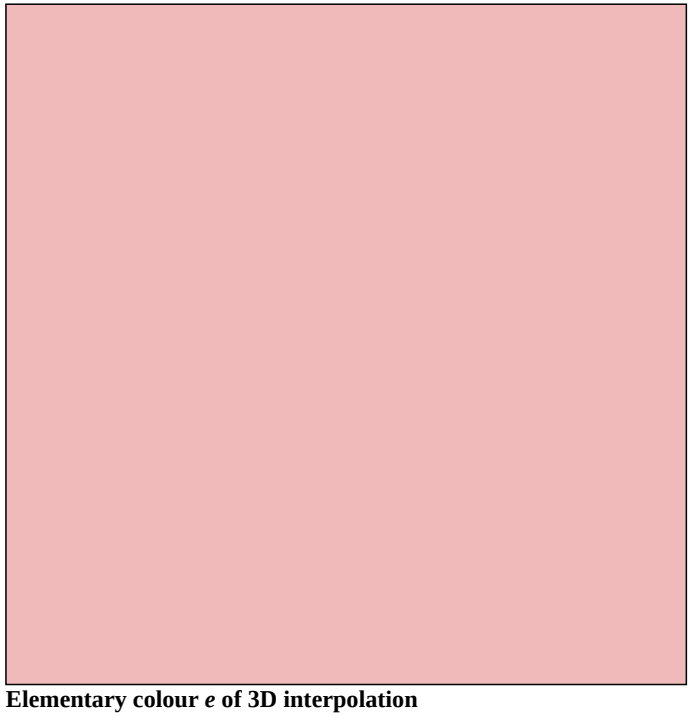
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.625	0.875	0.625	0.672	0.938	0.729	0.725
$rgb^*_{Fa,\ 8bit}$	223	159	159	223	159	171	239	186	185
L^*, C^*_{ab}, h_{ab}	67.9	21.1	19.9	75.0	20.3	25.5	77.8	25.5	25.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−it:	5.9	5.9	

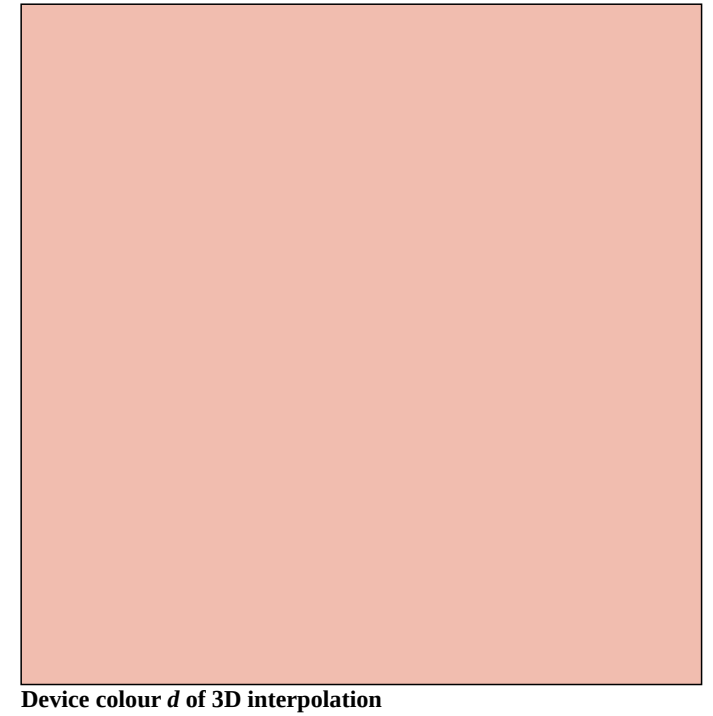
3 Colours no. *j*=617

output of the device colour *d*:

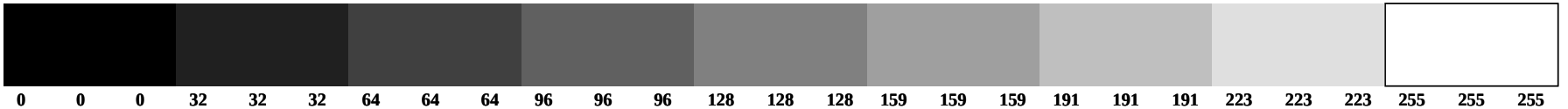
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.625	0.875	0.673	0.625	0.947	0.743	0.688
$olv^*_{Fa,\ 8bit}$	223	159	159	223	171	159	241	189	175
L^*, C^*_{ab}, h_{ab}	67.9	21.1	19.9	75.7	21.6	38.2	77.8	28.0	34.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	13.5	13.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
618	0.875	0.625	0.75	360.0	53.9	78.2	357.0	78.1	−3.9	75.3	19.5	357.0	19.5	−0.9	0.125	0.25	b74r	m47o		1.0	0.0	0.529	0.875	0.625	0.757
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
618	0.875	0.625	0.75	360.0	53.4	76.6	2.4	76.5	3.2	75.2	19.1	2.4	19.1	0.8	0.125	0.25	b79r	m50o		1.0	0.0	0.406	0.875	0.625	0.726

3 Colours no. *j*=618

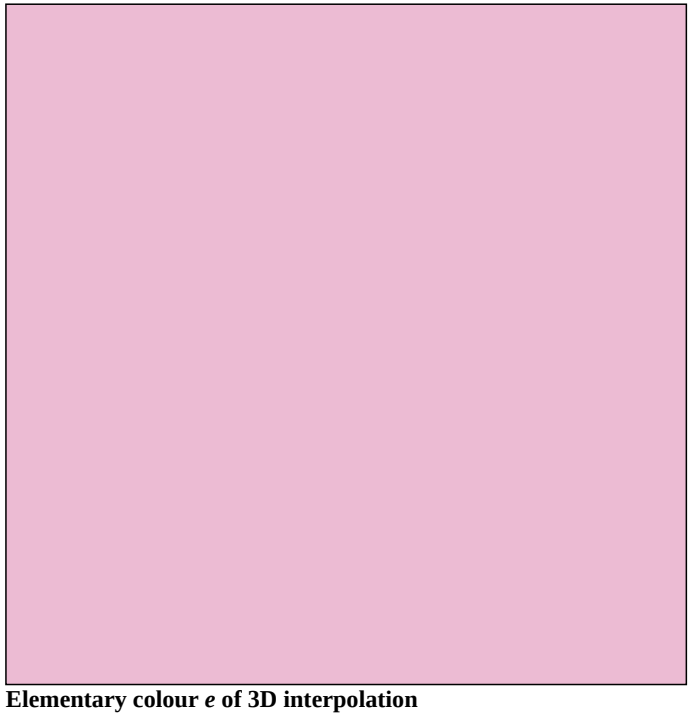
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.75	0.875	0.625	0.757	0.927	0.734	0.826
$rgb^*_{Fa,\ 8bit}$	223	159	191	223	159	193	236	187	211
L^*, C^*_{ab}, h_{ab}	68.4	23.6	350.6	75.3	19.5	357.0	78.3	26.5	358.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−it:	7.5	7.5	

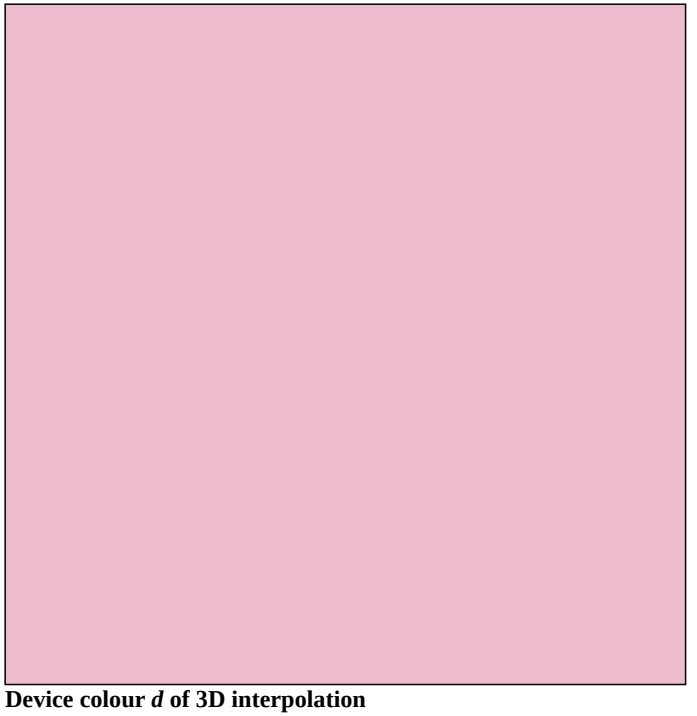
3 Colours no. *j*=618

output of the device colour *d*:

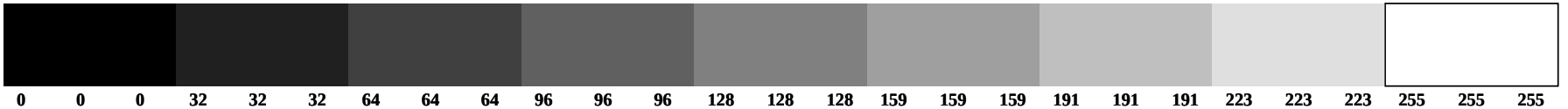
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.75	0.875	0.625	0.726	0.928	0.733	0.807
$olv^*_{Fa,\ 8bit}$	223	159	191	223	159	185	237	187	206
L^*, C^*_{ab}, h_{ab}	68.4	23.6	350.6	75.2	19.1	2.4	78.3	26.6	6.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−in:	12.4	12.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
619	0.875	0.625	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	76.3	26.3	328.6	22.5	−13.6	0.125	0.25	b50r	m02o		1.0	0.0	0.976	0.875	0.625	0.869
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
619	0.875	0.625	0.875	330.0	56.9	108.7	326.6	90.8	−59.7	76.1	27.2	326.6	22.7	−14.8	0.125	0.25	b47r	m00o		0.965	0.0	1.0	0.866	0.625	0.875

3 Colours no. *j*=619

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.875	0.875	0.625	0.869	0.922	0.743	0.919
$rgb^*_{Fa,\ 8bit}$	223	159	223	223	159	222	235	190	234
L^*, C^*_{ab}, h_{ab}	69.0	31.6	329.5	76.3	26.3	328.6	77.9	31.4	347.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−it:	10.6	10.6	

3 Colours no. *j*=619

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.875	0.866	0.625	0.875	0.917	0.74	0.923
$olv^*_{Fa,\ 8bit}$	223	159	223	221	159	223	234	189	235
L^*, C^*_{ab}, h_{ab}	69.0	31.6	329.5	76.1	27.2	326.6	77.4	31.8	347.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−in:	12.9	12.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
620	0.875	0.625	1.0	310.9	42.3	114.4	310.5	74.3	−86.8	75.5	42.9	310.5	27.9	−32.5	0.0	0.375	b33r	v49m		0.493	0.0	1.0	0.81	0.625	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
620	0.875	0.625	1.0	310.9	51.8	109.6	319.4	83.3	−71.2	79.1	41.1	319.4	31.2	−26.6	0.0	0.375	b41r	v68m		0.839	0.0	1.0	0.94	0.625	1.0

3 Colours no. *j*=620

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	1.0	0.81	0.625	1.0	0.891	0.719	1.0
$rgb^*_{Fa,\ 8bit}$	223	159	255	206	159	255	227	183	255
L^*, C^*_{ab}, h_{ab}	70.8	53.5	312.4	75.5	42.9	310.5	76.3	44.7	316.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−it:	5.1	5.1	

3 Colours no. *j*=620

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	1.0	0.94	0.625	1.0	0.97	0.749	1.0
$olv^*_{Fa,\ 8bit}$	223	159	255	240	159	255	247	191	255
L^*, C^*_{ab}, h_{ab}	70.8	53.5	312.4	79.1	41.1	319.4	79.8	42.2	323.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−in:	17.1	17.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
621	0.875	0.75	0.0	82.4	77.5	83.5	83.9	8.9	83.0	70.0	73.0	83.9	7.8	72.6	0.125	0.875	r86j	o77y		1.0	0.773	0.0	0.875	0.677	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
621	0.875	0.75	0.0	82.4	92.5	102.0	93.8	−6.6	101.8	83.2	89.3	93.8	−5.7	89.1	0.125	0.875	j02g	o87y		0.979	1.0	0.0	0.857	0.875	0.0

3 Colours no. *j*=621

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.0	0.875	0.677	0.0	0.909	0.674	0.01
$rgb^*_{Fa,\ 8bit}$	223	191	0	223	173	0	232	172	2
L^*, C^*_{ab}, h_{ab}	72.4	75.6	93.0	70.0	73.0	83.9	73.6	76.9	83.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−it:	5.3	5.3	

3 Colours no. *j*=621

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.0	0.857	0.875	0.0	0.982	0.883	0.0
$olv^*_{Fa,\ 8bit}$	223	191	0	219	223	0	250	225	0
L^*, C^*_{ab}, h_{ab}	72.4	75.6	93.0	83.2	89.3	93.8	83.4	89.4	91.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.4	17.4	3D−in:	17.7	17.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
622	0.875	0.75	0.125	81.0	76.4	82.4	82.3	11.0	81.7	71.5	61.8	82.3	8.2	61.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
622	0.875	0.75	0.125	81.0	93.0	102.0	92.3	−4.0	101.9	83.9	76.5	92.3	−3.0	76.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.75	r84j	o75y		1.0	0.753	0.0	0.875	0.69	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.75	r99j	o85y		1.0	1.0	0.0	0.875	0.875	0.125

3 Colours no. *j*=622

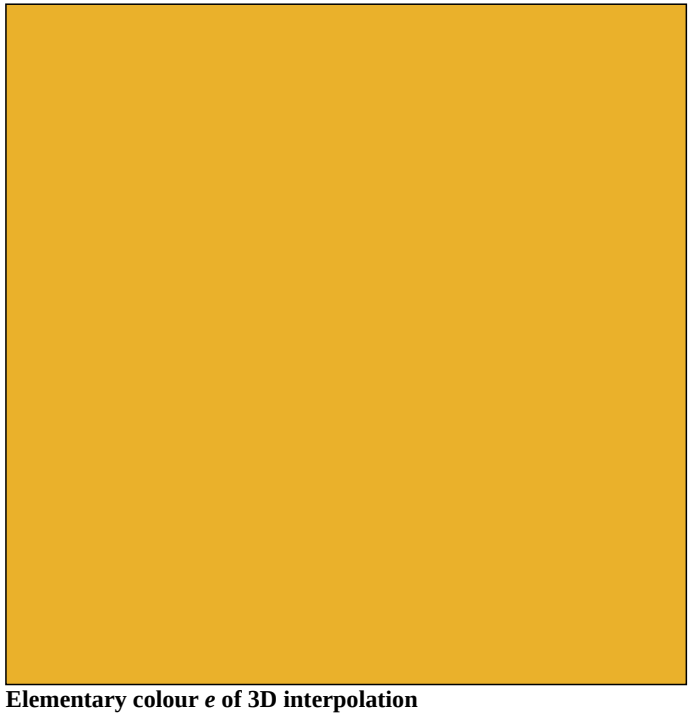
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.125	0.875	0.69	0.125	0.918	0.695	0.168
$rgb^*_{Fa,\ 8bit}$	223	191	32	223	176	32	234	177	43
L^*, C^*_{ab}, h_{ab}	72.6	67.6	92.5	71.5	61.8	82.3	76.3	63.0	81.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−it:	5.1	5.1	

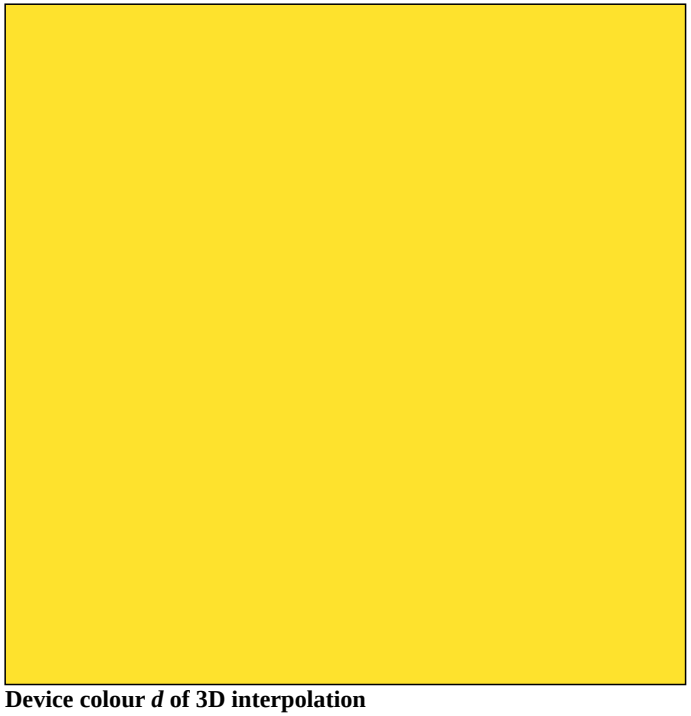
3 Colours no. *j*=622

output of the device colour *d*:

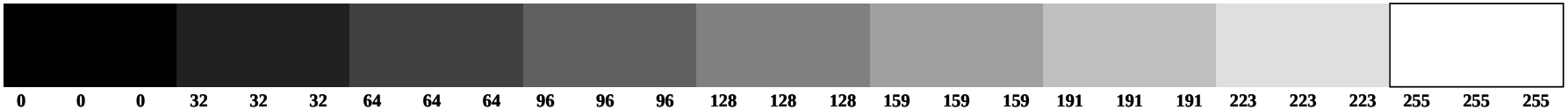
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.125	0.875	0.875	0.125	0.996	0.885	0.178
$olv^*_{Fa,\ 8bit}$	223	191	32	223	223	32	254	226	45
L^*, C^*_{ab}, h_{ab}	72.6	67.6	92.5	83.9	76.5	92.3	84.7	81.5	91.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−in:	18.5	18.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
623	0.875	0.75	0.25	79.1	75.1	81.6	80.2	13.9	80.4	73.0	51.0	80.2	8.7	50.2	0.125	0.625	r81j	o72y		1.0	0.725	0.0	0.875	0.703	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
623	0.875	0.75	0.25	79.1	90.5	98.7	90.2	−0.3	98.7	82.6	61.7	90.2	−0.2	61.7	0.125	0.625	r96j	o82y		1.0	0.969	0.0	0.875	0.856	0.25

3 Colours no. *j*=623

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.25	0.875	0.703	0.25	0.927	0.719	0.275
$rgb^*_{Fa,\ 8bit}$	223	191	64	223	179	64	236	183	70
L^*, C^*_{ab}, h_{ab}	72.8	52.2	90.9	73.0	51.0	80.2	76.8	57.7	74.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.7	9.7	3D−it:	9.6	9.6

3 Colours no. *j*=623

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.25	0.875	0.856	0.25	0.991	0.867	0.289
$olv^*_{Fa,\ 8bit}$	223	191	64	223	218	64	253	221	74
L^*, C^*_{ab}, h_{ab}	72.8	52.2	90.9	82.6	61.7	90.2	83.2	66.8	89.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.7	13.7	3D−in:	18.0	18.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
624	0.875	0.75	0.375	76.1	73.2	80.5	76.8	18.4	78.4	74.6	40.3	76.8	9.2	39.2	0.125	0.5	r76j	o68y		1.0	0.681	0.0	0.875	0.715	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
624	0.875	0.75	0.375	76.1	86.7	93.7	87.1	4.8	93.6	81.3	46.9	87.1	2.4	46.8	0.125	0.5	r91j	o77y		1.0	0.921	0.0	0.875	0.836	0.375

3 Colours no. *j*=624

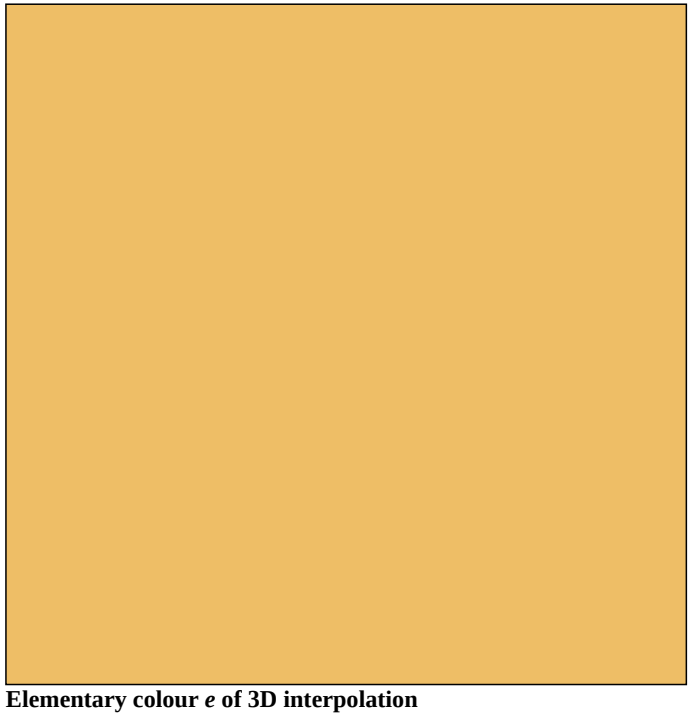
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.375	0.875	0.715	0.375	0.932	0.744	0.401
$rgb^*_{Fa,\ 8bit}$	223	191	96	223	182	96	238	190	102
L^*, C^*_{ab}, h_{ab}	73.0	39.3	87.6	74.6	40.3	76.8	76.8	47.7	70.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	9.1	9.1	

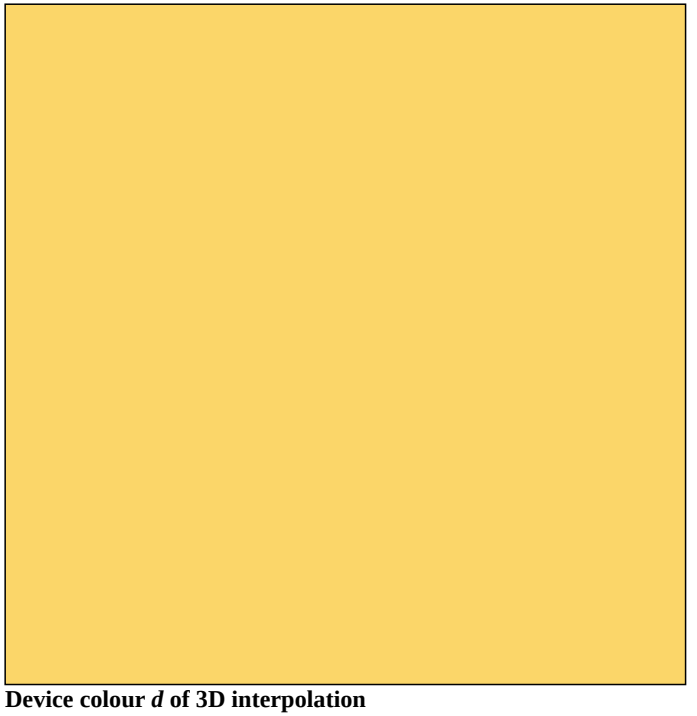
3 Colours no. *j*=624

output of the device colour *d*:

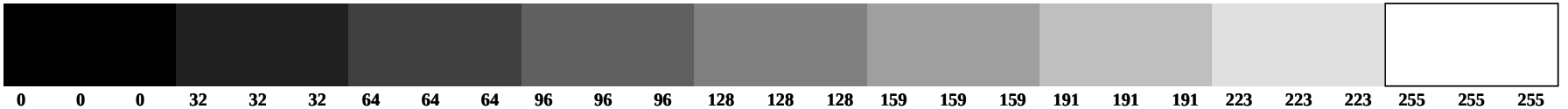
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.375	0.875	0.836	0.375	0.986	0.841	0.411
$olv^*_{Fa,\ 8bit}$	223	191	96	223	213	96	251	215	105
L^*, C^*_{ab}, h_{ab}	73.0	39.3	87.6	81.3	46.9	87.1	83.6	51.3	85.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	16.0	16.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
625	0.875	0.75	0.5	70.9	69.9	79.1	71.0	25.7	74.8	76.1	29.7	71.0	9.6	28.0	0.125	0.375	r67j	o60y		1.0	0.603	0.0	0.875	0.726	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
625	0.875	0.75	0.5	70.9	81.0	86.9	81.5	12.8	86.0	80.3	32.6	81.5	4.8	32.2	0.125	0.375	r83j	o68y		1.0	0.839	0.0	0.875	0.815	0.5

3 Colours no. *j*=625

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.5	0.875	0.726	0.5	0.933	0.766	0.537
$rgb^*_{Fa,\ 8bit}$	223	191	128	223	185	128	238	195	137
L^*, C^*_{ab}, h_{ab}	73.3	27.5	80.8	76.1	29.7	71.0	78.9	32.6	62.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	6.0	6.0	

3 Colours no. *j*=625

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.5	0.875	0.815	0.5	0.953	0.832	0.558
$olv^*_{Fa,\ 8bit}$	223	191	128	223	208	128	243	212	142
L^*, C^*_{ab}, h_{ab}	73.3	27.5	80.8	80.3	32.6	81.5	83.9	33.5	78.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−in:	12.2	12.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
626	0.875	0.75	0.625	60.0	63.5	79.7	58.9	41.2	68.2	77.7	19.9	58.9	10.3	17.1	0.125	0.25	r49j	o43y		1.0	0.434	0.0	0.875	0.733	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
626	0.875	0.75	0.625	60.0	72.5	80.1	70.0	27.4	75.3	80.0	20.0	70.0	6.9	18.8	0.125	0.25	r66j	o50y		1.0	0.666	0.0	0.875	0.791	0.625

3 Colours no. *j*=626

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.625	0.875	0.733	0.625	0.933	0.788	0.68
$rgb^*_{Fa,\ 8bit}$	223	191	159	223	187	159	238	201	173
L^*, C^*_{ab}, h_{ab}	73.7	17.6	65.9	77.7	19.9	58.9	81.7	22.5	53.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.2	5.2	3D−it:	5.2	5.2

3 Colours no. *j*=626

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.625	0.875	0.791	0.625	0.938	0.827	0.698
$olv^*_{Fa,\ 8bit}$	223	191	159	223	202	159	239	211	178
L^*, C^*_{ab}, h_{ab}	73.7	17.6	65.9	80.0	20.0	70.0	84.3	22.7	66.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.9	6.9	3D−in:	11.8	11.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
627	0.875	0.75	0.75	30.0	52.7	81.3	25.5	73.4	34.9	80.3	10.2	25.5	9.2	4.4	0.125	0.125	b99r	m81o		1.0	0.0	0.189	0.875	0.75	0.774
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
627	0.875	0.75	0.75	30.0	55.6	86.2	38.2	67.8	53.3	80.7	10.8	38.2	8.5	6.7	0.125	0.125	r19j	m100o		1.0	0.19	0.0	0.875	0.774	0.75

3 Colours no. *j*=627

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.75	0.875	0.75	0.774	0.924	0.83	0.85
$rgb^*_{Fa,\ 8bit}$	223	191	191	223	191	197	236	212	217
L^*, C^*_{ab}, h_{ab}	74.1	11.6	26.0	80.3	10.2	25.5	84.7	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−it:	6.9	6.9	

3 Colours no. *j*=627

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.75	0.875	0.774	0.75	0.929	0.836	0.833
$olv^*_{Fa,\ 8bit}$	223	191	191	223	197	191	237	213	212
L^*, C^*_{ab}, h_{ab}	74.1	11.6	26.0	80.7	10.8	38.2	84.7	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−in:	11.4	11.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
628	0.875	0.75	0.875	330.0	57.9	105.2	328.6	89.9	−54.7	81.0	13.2	328.6	11.2	−6.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
628	0.875	0.75	0.875	330.0	56.9	108.7	326.7	90.8	−59.6	80.9	13.6	326.7	11.3	−7.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.125	b50r	m02o		1.0	0.0	0.975	0.875	0.75	0.872
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.125	b47r	m00o		0.966	0.0	1.0	0.871	0.75	0.875

3 Colours no. *j*=628

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.875	0.875	0.75	0.872	0.913	0.837	0.922
$rgb^*_{Fa,\ 8bit}$	223	191	223	223	191	222	233	213	235
L^*, C^*_{ab}, h_{ab}	74.7	16.0	333.8	81.0	13.2	328.6	87.3	15.8	335.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−it:	7.0	7.0	

3 Colours no. *j*=628

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.875	0.871	0.75	0.875	0.91	0.835	0.924
$olv^*_{Fa,\ 8bit}$	223	191	223	222	191	223	232	213	236
L^*, C^*_{ab}, h_{ab}	74.7	16.0	333.8	80.9	13.6	326.7	87.1	16.0	333.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	12.4	12.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
629	0.875	0.75	1.0	300.0	39.4	107.1	300.2	53.9	−92.5	81.4	26.8	300.2	13.5	−23.0	0.0	0.25	b25r	c83v		0.0	0.173	1.0	0.75	0.793	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
629	0.875	0.75	1.0	300.0	49.6	110.3	315.4	78.5	−77.4	83.9	27.6	315.4	19.6	−19.3	0.0	0.25	b38r	v50m		0.767	0.0	1.0	0.942	0.75	1.0

3 Colours no. *j*=629

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	1.0	0.75	0.793	1.0	0.882	0.841	1.0
$rgb^*_{Fa,\ 8bit}$	223	191	255	191	202	255	225	214	255
L^*, C^*_{ab}, h_{ab}	76.3	38.5	307.1	81.4	26.8	300.2	83.0	27.0	312.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.4	13.4	3D−it:	5.9	5.9	

3 Colours no. *j*=629

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	1.0	0.942	0.75	1.0	0.964	0.85	1.0
$olv^*_{Fa,\ 8bit}$	223	191	255	240	191	255	246	217	255
L^*, C^*_{ab}, h_{ab}	76.3	38.5	307.1	83.9	27.6	315.4	86.0	24.7	322.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.1	14.1	3D−in:	18.9	18.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
630	0.875	0.875	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	75.4	78.6	92.3	−3.1	78.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
630	0.875	0.875	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	81.1	89.4	101.8	−18.2	87.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.875	r99j	o88y		1.0	0.884	0.0	0.875	0.774	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.875	j13g	o100y		0.864	1.0	0.0	0.756	0.875	0.0

3 Colours no. *j*=630

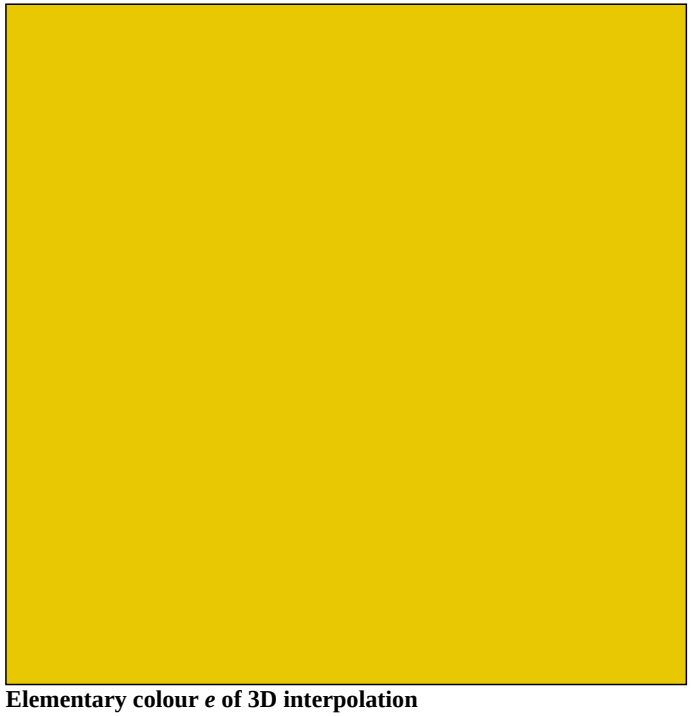
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.0	0.875	0.774	0.0	0.91	0.783	0.012
$rgb^*_{Fa,\ 8bit}$	223	223	0	223	197	0	232	200	3
L^*, C^*_{ab}, h_{ab}	79.6	85.4	101.8	75.4	78.6	92.3	78.5	81.6	91.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.8	15.8	3D−it:	4.4	4.4

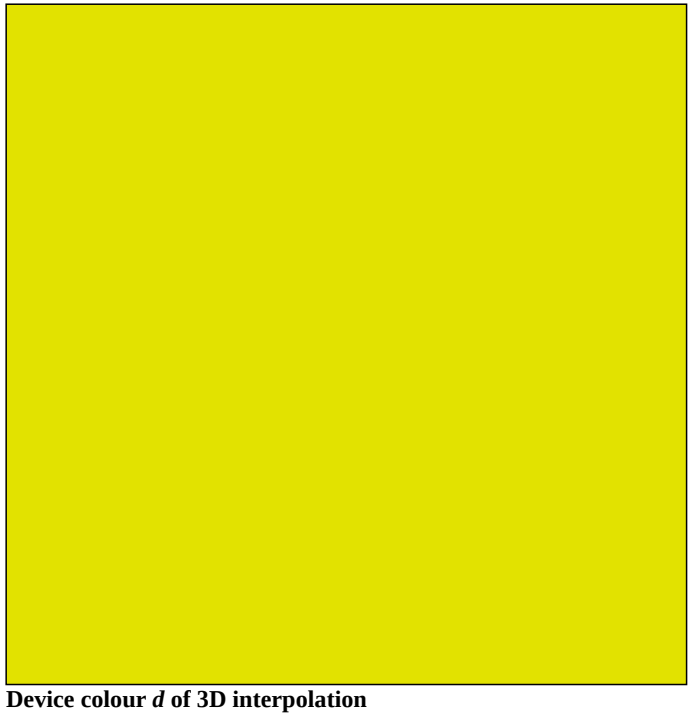
3 Colours no. *j*=630

output of the device colour *d*:

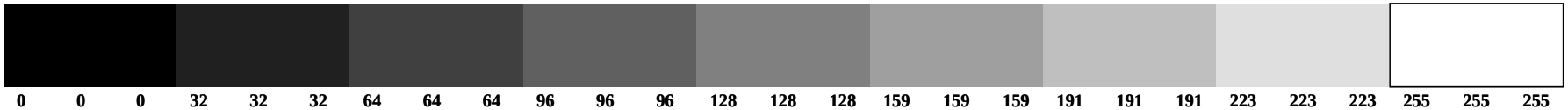
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.0	0.756	0.875	0.0	0.886	0.888	0.0
$olv^*_{Fa,\ 8bit}$	223	223	0	193	223	0	226	227	0
L^*, C^*_{ab}, h_{ab}	79.6	85.4	101.8	81.1	89.4	101.8	82.5	93.2	100.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.3	4.3	3D−in:	8.4	8.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
631	0.875	0.875	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	76.9	67.3	92.3	−2.6	67.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
631	0.875	0.875	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	81.7	76.7	101.8	−15.6	75.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.75	r99j	o88y		1.0	0.884	0.0	0.875	0.788	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.75	j13g	o100y		0.864	1.0	0.0	0.773	0.875	0.125

3 Colours no. *j*=631

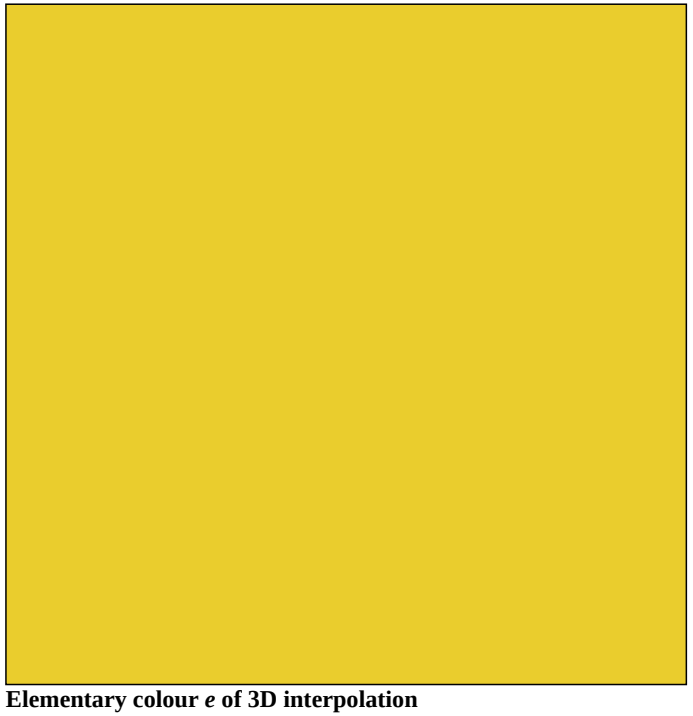
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.125	0.875	0.788	0.125	0.918	0.802	0.175
$rgb^*_{Fa,\ 8bit}$	223	223	32	223	201	32	234	205	45
L^*, C^*_{ab}, h_{ab}	79.7	78.2	102.2	76.9	67.3	92.3	81.3	67.6	92.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.8	16.8	3D−it:	4.4	4.4	

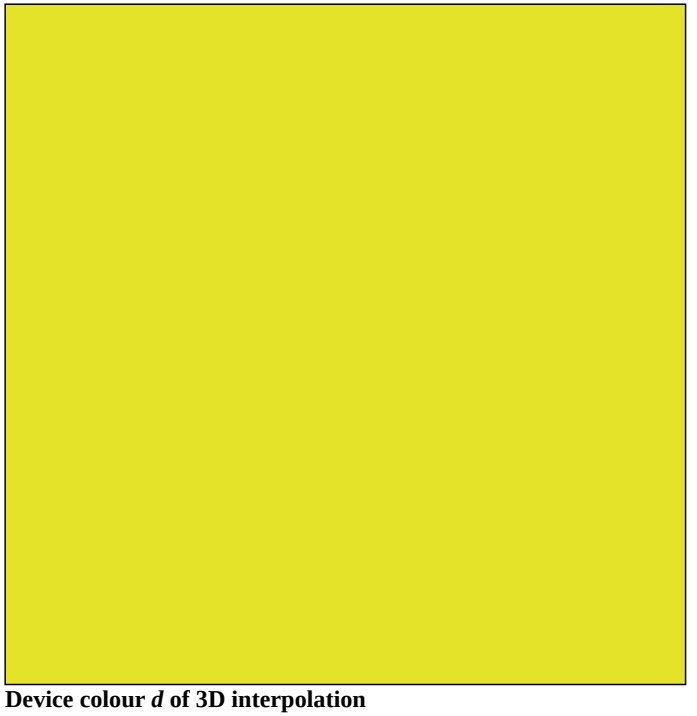
3 Colours no. *j*=631

output of the device colour *d*:

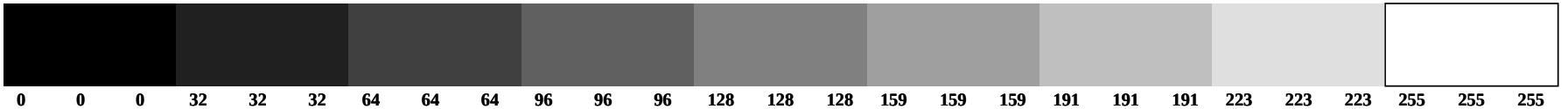
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.125	0.773	0.875	0.125	0.897	0.891	0.161
$olv^*_{Fa,\ 8bit}$	223	223	32	197	223	32	229	227	41
L^*, C^*_{ab}, h_{ab}	79.7	78.2	102.2	81.7	76.7	101.8	83.7	77.9	101.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.6	2.6	3D−in:	4.4	4.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
632	0.875	0.875	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	78.4	56.1	92.3	−2.2	56.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
632	0.875	0.875	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	82.4	63.9	101.8	−13.0	62.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.625	r99j	o88y		1.0	0.884	0.0	0.875	0.803	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.625	j13g	o100y		0.864	1.0	0.0	0.79	0.875	0.25

3 Colours no. *j*=632

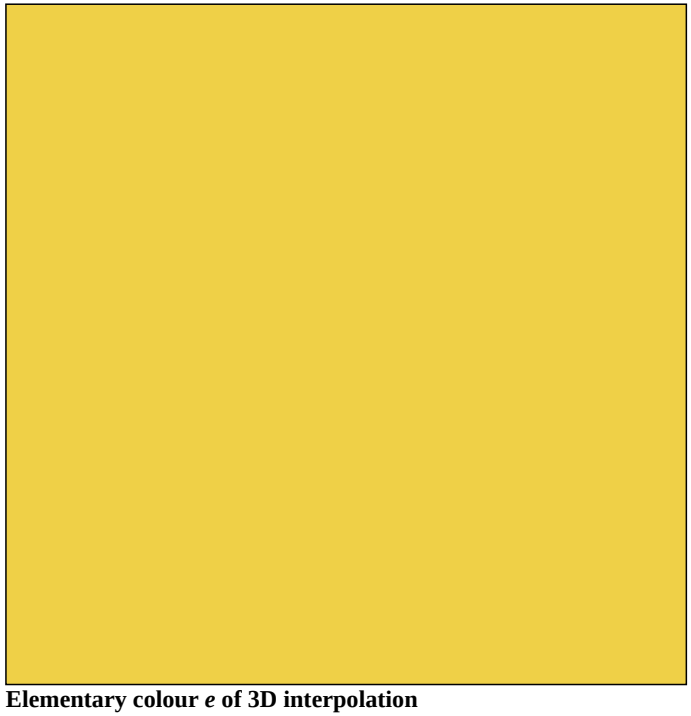
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.25	0.875	0.803	0.25	0.938	0.815	0.279
$rgb^*_{Fa,\ 8bit}$	223	223	64	223	205	64	239	208	71
L^*, C^*_{ab}, h_{ab}	79.9	63.6	103.1	78.4	56.1	92.3	83.4	57.8	88.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−it:	6.8	6.8	

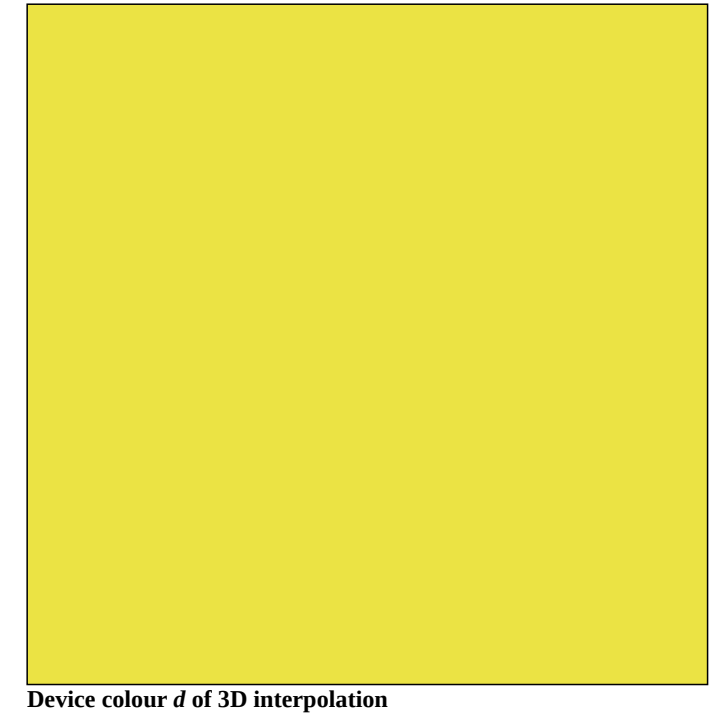
3 Colours no. *j*=632

output of the device colour *d*:

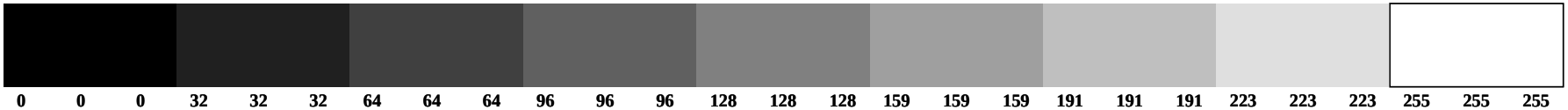
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.25	0.79	0.875	0.25	0.923	0.889	0.267
$olv^*_{Fa,\ 8bit}$	223	223	64	201	223	64	235	227	68
L^*, C^*_{ab}, h_{ab}	79.9	63.6	103.1	82.4	63.9	101.8	84.8	64.2	100.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−in:	5.8	5.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
633	0.875	0.875	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	79.8	44.9	92.3	−1.7	44.9
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
633	0.875	0.875	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	83.0	51.1	101.8	−10.3	50.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.5	r99j	o88y		1.0	0.884	0.0	0.875	0.817	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.5	j13g	o100y		0.864	1.0	0.0	0.807	0.875	0.375

3 Colours no. *j*=633

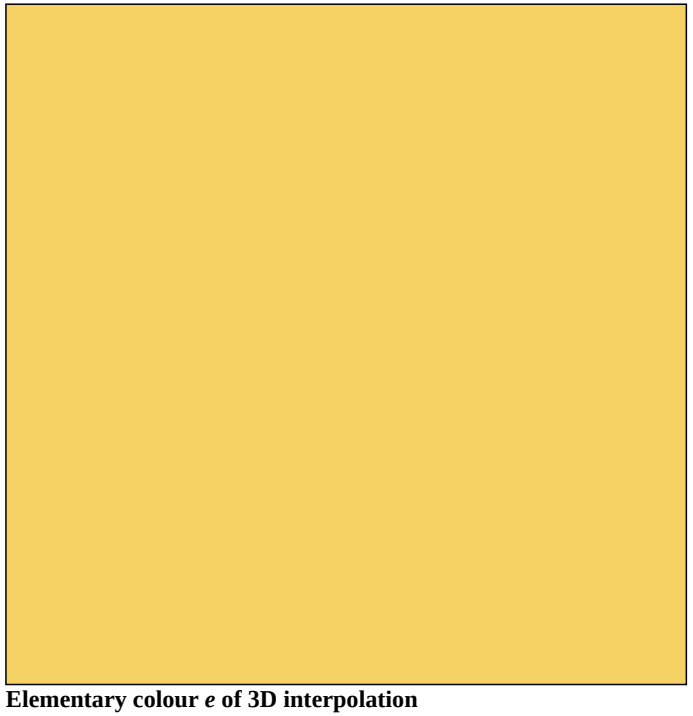
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.375	0.875	0.817	0.375	0.965	0.825	0.392
$rgb^*_{Fa,\ 8bit}$	223	223	96	223	208	96	246	210	100
L^*, C^*_{ab}, h_{ab}	80.1	57.7	148.1	79.8	44.9	92.3	83.6	47.4	85.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	49.4	49.4	3D−it:	7.4	7.4	

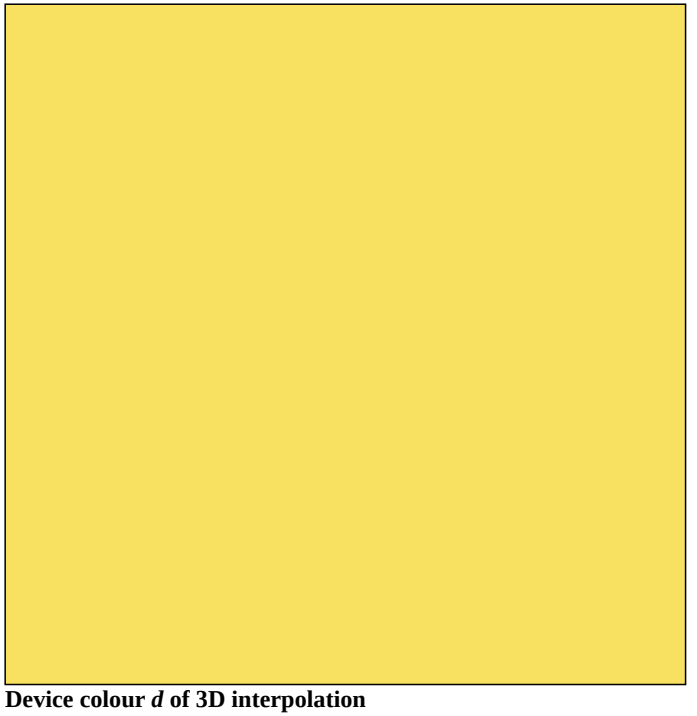
3 Colours no. *j*=633

output of the device colour *d*:

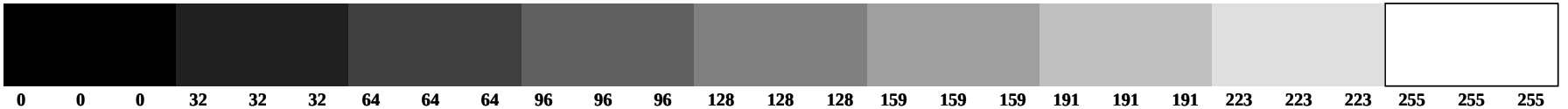
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.375	0.807	0.875	0.375	0.972	0.88	0.376
$olv^*_{Fa,\ 8bit}$	223	223	96	206	223	96	248	224	96
L^*, C^*_{ab}, h_{ab}	80.1	57.7	148.1	83.0	51.1	101.8	93.8	54.5	98.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	43.3	43.3	3D−in:	48.9	48.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
634	0.875	0.875	0.5	90.0	83.7	89.8	92.3	−3.5	89.7	81.3	33.7	92.3	−1.2	33.6
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
634	0.875	0.875	0.5	90.0	90.1	102.2	101.8	−20.8	100.0	83.7	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.375	r99j	o88y		1.0	0.884	0.0	0.875	0.832	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.375	j13g	o100y		0.864	1.0	0.0	0.824	0.875	0.5

3 Colours no. *j*=634

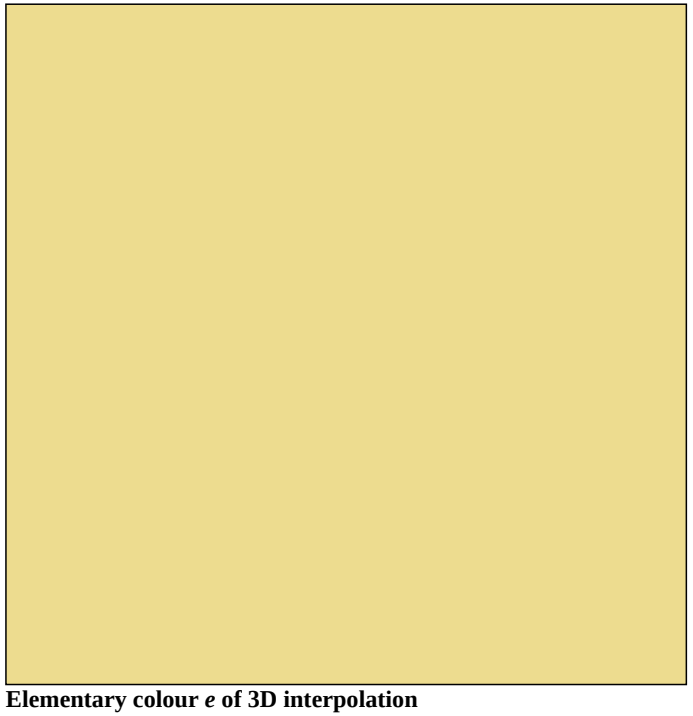
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.5	0.875	0.832	0.5	0.928	0.864	0.559
$rgb^*_{Fa,\ 8bit}$	223	223	128	223	212	128	237	220	143
L^*, C^*_{ab}, h_{ab}	80.4	38.8	104.4	81.3	33.7	92.3	83.9	36.3	79.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.3	9.3	3D−it:	8.5	8.5	

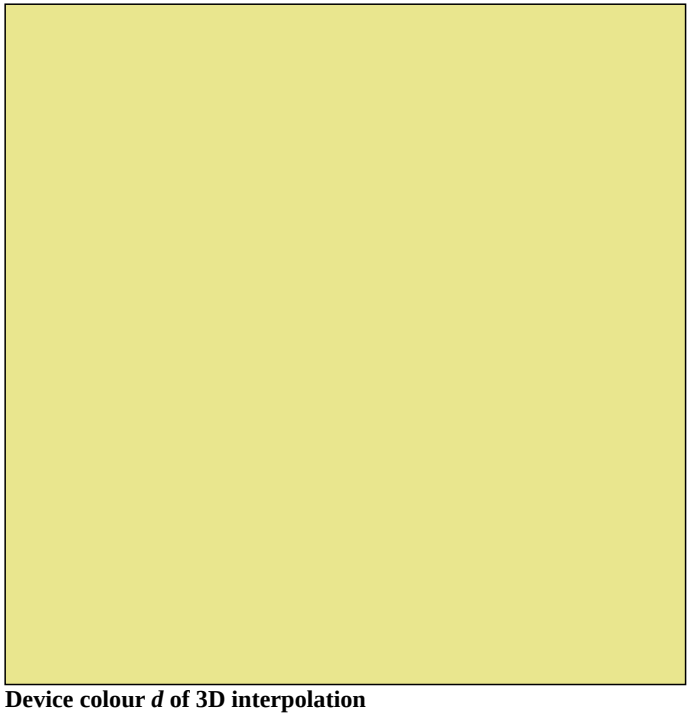
3 Colours no. *j*=634

output of the device colour *d*:

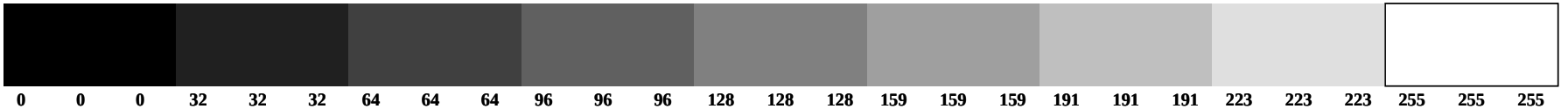
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.5	0.824	0.875	0.5	0.915	0.9	0.556
$olv^*_{Fa,\ 8bit}$	223	223	128	210	223	128	233	230	142
L^*, C^*_{ab}, h_{ab}	80.4	38.8	104.4	83.7	38.3	101.8	87.0	38.1	99.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	7.6	7.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
635	0.875	0.875	0.625	90.0	83.7	89.8	92.3	−3.5	89.7	82.8	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
635	0.875	0.875	0.625	90.0	90.1	102.2	101.8	−20.8	100.0	84.4	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.25	r99j	o88y		1.0	0.884	0.0	0.875	0.846	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.25	j13g	o100y		0.865	1.0	0.0	0.841	0.875	0.625

3 Colours no. *j*=635

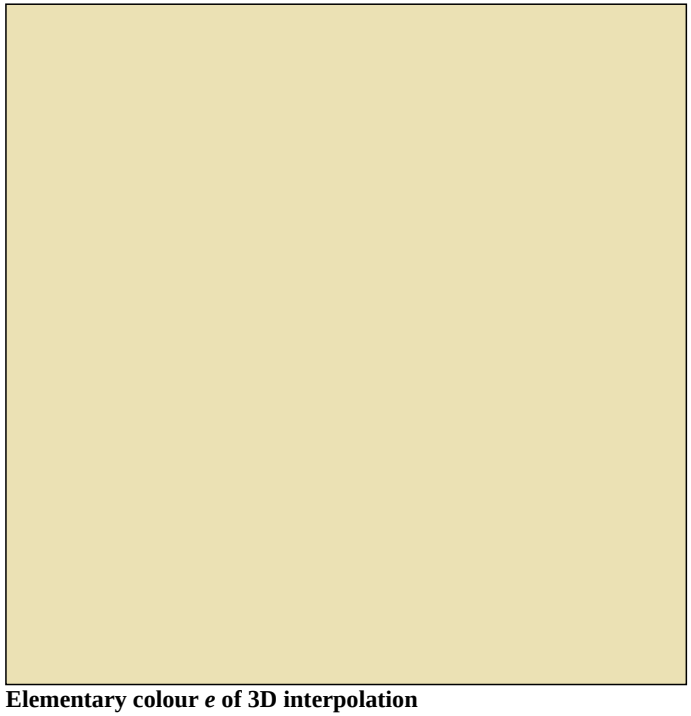
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.625	0.875	0.846	0.625	0.923	0.881	0.705
$rgb^*_{Fa,\ 8bit}$	223	223	159	223	216	159	235	225	180
L^*, C^*_{ab}, h_{ab}	80.7	27.6	104.5	82.8	22.4	92.3	84.5	29.1	86.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.7	7.7	3D−it:	7.4	7.4

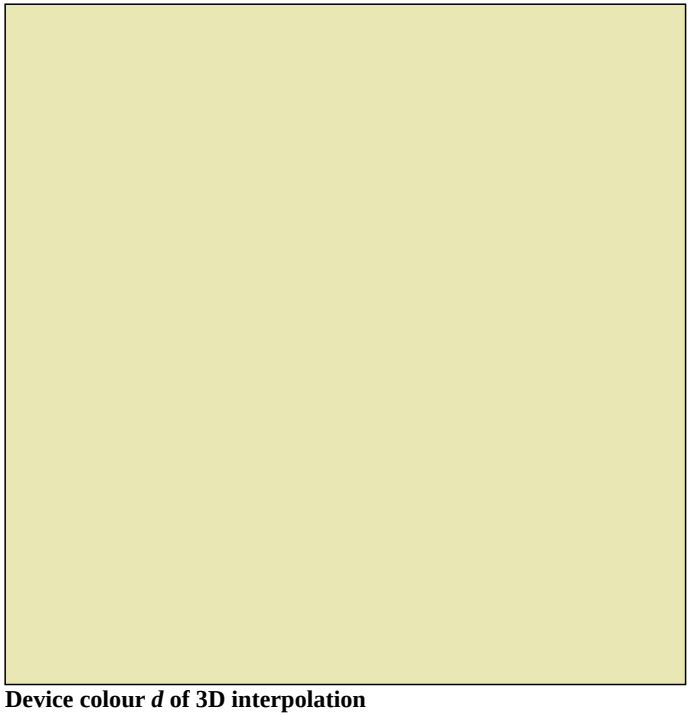
3 Colours no. *j*=635

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.625	0.841	0.875	0.625	0.914	0.904	0.704
$olv^*_{Fa,\ 8bit}$	223	223	159	214	223	159	233	231	179
L^*, C^*_{ab}, h_{ab}	80.7	27.6	104.5	84.4	25.6	101.8	88.0	27.0	97.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.4	4.4	3D−in:	8.1	8.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
636	0.875	0.875	0.75	90.0	83.7	89.7	92.3	−3.4	89.7	84.2	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
636	0.875	0.875	0.75	90.0	90.1	102.2	101.8	−20.7	100.1	85.0	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.125	r99j	o88y		1.0	0.884	0.0	0.875	0.86	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.125	j13g	o100y		0.865	1.0	0.0	0.858	0.875	0.75

3 Colours no. *j*=636

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.75	0.875	0.86	0.75	0.914	0.896	0.842
$rgb^*_{Fa,\ 8bit}$	223	223	191	223	219	191	233	229	215
L^*, C^*_{ab}, h_{ab}	81.1	16.3	103.5	84.2	11.2	92.3	87.4	16.1	79.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.5	6.5	3D−it:	6.5	6.5

3 Colours no. *j*=636

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.75	0.858	0.875	0.75	0.91	0.908	0.842
$olv^*_{Fa,\ 8bit}$	223	223	191	219	223	191	232	231	215
L^*, C^*_{ab}, h_{ab}	81.1	16.3	103.5	85.0	12.8	101.8	89.0	15.9	95.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.3	5.3	3D−in:	8.3	8.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
637	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
637	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=637

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.6	3.7	89.3	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.6	5.6	3D−it:	5.6	5.6

3 Colours no. *j*=637

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.6	3.7	89.3	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.6	5.6	3D−in:	8.3	8.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
638	0.875	0.875	1.0	270.0	60.4	57.4	271.8	1.8	−57.2	91.0	7.2	271.8	0.2	−7.1	0.0	0.125	b00r	c39v		0.0	0.613	1.0	0.875	0.952	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
638	0.875	0.875	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	89.0	14.2	304.1	7.9	−11.6	0.0	0.125	b28r	v00m		0.569	0.0	1.0	0.946	0.875	1.0

3 Colours no. *j*=638

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.875	0.875	1.0	0.875	0.952	1.0	0.931	0.96	1.0
$rgb^*_{Fa,\ 8bit}$	223	223	255	223	243	255	237	245	255
L^*, C^*_{ab}, h_{ab}	83.0	21.8	293.7	91.0	7.2	271.8	95.5	0.4	31.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.4	17.4	3D−it:	8.6	8.6

3 Colours no. *j*=638

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.875	0.875	1.0	0.946	0.875	1.0	0.954	0.927	1.0
$olv^*_{Fa,\ 8bit}$	223	223	255	241	223	255	243	236	255
L^*, C^*_{ab}, h_{ab}	83.0	21.8	293.7	89.0	14.2	304.1	95.0	9.4	338.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.2	10.2	3D−in:	20.4	20.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
639	0.875	1.0	0.0	96.6	91.2	99.7	100.0	−17.2	98.1	91.2	99.7	100.0	−17.2	98.1	0.0	1.0	j11g	o98y		1.0	0.978	0.0	1.0	0.978	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
639	0.875	1.0	0.0	96.6	89.5	102.8	105.2	−26.8	99.3	89.5	102.8	105.2	−26.8	99.3	0.0	1.0	j18g	y11l		0.816	1.0	0.0	0.816	1.0	0.0

3 Colours no. *j*=639

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	1.0	0.0	1.0	0.978	0.0	1.0	0.977	0.0
$rgb^*_{Fa,\ 8bit}$	223	255	0	255	249	0	255	249	0
L^*, C^*_{ab}, h_{ab}	90.3	102.1	110.2	91.2	99.7	100.0	93.0	100.8	97.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.1	18.1	3D−it:	4.4	4.4	

3 Colours no. *j*=639

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	1.0	0.0	0.816	1.0	0.0	0.921	0.98	0.0
$olv^*_{Fa,\ 8bit}$	223	255	0	208	255	0	235	250	0
L^*, C^*_{ab}, h_{ab}	90.3	102.1	110.2	89.5	102.8	105.2	93.0	102.7	102.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−in:	13.3	13.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 640/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
640	0.875	1.0	0.125	97.6	92.3	101.2	101.1	−19.5	99.2	92.7	88.5	101.1	−17.0	86.8	0.0	0.875	j13g	o99y		1.0	0.992	0.0	1.0	0.993	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
640	0.875	1.0	0.125	97.6	89.4	102.9	105.7	−27.7	99.1	90.2	90.1	105.7	−24.3	86.7	0.0	0.875	j19g	y13l		0.809	1.0	0.0	0.833	1.0	0.125

3 Colours no. *j*=640

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.875	1.0	0.125	1.0	0.993	0.125	1.0	0.99	0.202
$rgb^*_{Fa,\ 8bit}$	223	255	32	255	253	32	255	253	51
L^*, C^*_{ab}, h_{ab}	90.3	95.6	111.1	92.7	88.5	101.1	93.2	95.0	99.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.6	17.6	3D−it:	7.0	7.0	

3 Colours no. *j*=640

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.875	1.0	0.125	0.833	1.0	0.125	0.94	0.98	0.165
$olv^*_{Fa,\ 8bit}$	223	255	32	212	255	32	240	250	42
L^*, C^*_{ab}, h_{ab}	90.3	95.6	111.1	90.2	90.1	105.7	93.2	95.3	101.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	16.6	16.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
641	0.875	1.0	0.25	98.9	92.7	102.0	102.7	−22.4	99.5	93.4	76.5	102.7	−16.8	74.6	0.0	0.75	j15g	y01l		0.986	1.0	0.0	0.99	1.0	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
641	0.875	1.0	0.25	98.9	89.3	103.1	106.4	−29.0	98.9	90.8	77.3	106.4	−21.7	74.2	0.0	0.75	j20g	y15l		0.799	1.0	0.0	0.849	1.0	0.25

3 Colours no. *j*=641

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	1.0	0.25	0.99	1.0	0.25	1.0	0.999	0.31
$rgb^*_{Fa,\ 8bit}$	223	255	64	252	255	64	255	255	79
L^*, C^*_{ab}, h_{ab}	90.5	82.7	113.2	93.4	76.5	102.7	93.5	81.4	100.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−it:	5.6	5.6	

3 Colours no. *j*=641

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	1.0	0.25	0.849	1.0	0.25	0.95	0.984	0.275
$olv^*_{Fa,\ 8bit}$	223	255	64	217	255	64	242	251	70
L^*, C^*_{ab}, h_{ab}	90.5	82.7	113.2	90.8	77.3	106.4	93.3	81.9	101.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	16.5	16.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
642	0.875	1.0	0.375	100.9	91.9	102.0	105.0	−26.3	98.6	93.2	63.8	105.0	−16.4	61.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
642	0.875	1.0	0.375	100.9	89.1	103.3	107.4	−30.7	98.6	91.5	64.5	107.4	−19.2	61.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	j18g	y05l		0.953	1.0	0.0	0.97	1.0	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j21g	y18l		0.785	1.0	0.0	0.865	1.0	0.375

3 Colours no. *j*=642

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	1.0	0.375	0.97	1.0	0.375	0.992	0.999	0.446
$rgb^*_{Fa,\ 8bit}$	223	255	96	247	255	96	253	255	114
L^*, C^*_{ab}, h_{ab}	90.7	71.2	115.4	93.2	63.8	105.0	93.5	68.0	102.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.5	14.5	3D−it:	5.1	5.1	

3 Colours no. *j*=642

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	1.0	0.375	0.865	1.0	0.375	0.961	0.986	0.414
$olv^*_{Fa,\ 8bit}$	223	255	96	221	255	96	245	252	106
L^*, C^*_{ab}, h_{ab}	90.7	71.2	115.4	91.5	64.5	107.4	93.5	68.0	102.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	16.1	16.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
643	0.875	1.0	0.5	103.9	90.8	102.1	108.5	−32.3	96.8	93.1	51.0	108.5	−16.1	48.4	0.0	0.5	j23g	y10l		0.9	1.0	0.0	0.95	1.0	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
643	0.875	1.0	0.5	103.9	88.8	103.6	108.9	−33.5	98.0	92.1	51.8	108.9	−16.7	49.0	0.0	0.5	j24g	y23l		0.763	1.0	0.0	0.881	1.0	0.5

3 Colours no. *j*=643

output of the elementary colour *e*:

rgb input (in):									
	0.875	1.0	0.5	0.95	1.0	0.5	0.972	1.0	0.588
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	223	255	128	242	255	128	248	255	150
L^*, C^*_{ab}, h_{ab}	90.9	60.0	118.0	93.1	51.0	108.5	93.8	52.1	104.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.0	13.0	3D−it:	4.3	4.3	

3 Colours no. *j*=643

output of the device colour *d*:

rgb input (in):									
	0.875	1.0	0.5	0.881	1.0	0.5	0.958	0.991	0.566
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	223	255	128	225	255	128	244	253	144
L^*, C^*_{ab}, h_{ab}	90.9	60.0	118.0	92.1	51.8	108.9	93.8	53.3	103.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−in:	15.9	15.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
644	0.875	1.0	0.625	109.1	89.1	103.3	114.6	−42.8	94.0	93.0	38.7	114.6	−16.0	35.2	0.0	0.375	j31g	y22l		0.78	1.0	0.0	0.917	1.0	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
644	0.875	1.0	0.625	109.1	88.4	104.2	111.6	−38.2	96.9	92.8	39.1	111.6	−14.3	36.4	0.0	0.375	j27g	y32l		0.725	1.0	0.0	0.897	1.0	0.625

3 Colours no. *j*=644

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	1.0	0.625	0.917	1.0	0.625	0.946	1.0	0.735
$rgb^*_{Fa,\ 8bit}$	223	255	159	234	255	159	241	255	187
L^*, C^*_{ab}, h_{ab}	91.1	49.5	121.2	93.0	38.7	114.6	94.0	36.9	105.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−it:	6.1	6.1	

3 Colours no. *j*=644

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	1.0	0.625	0.897	1.0	0.625	0.957	0.996	0.718
$olv^*_{Fa,\ 8bit}$	223	255	159	229	255	159	244	254	183
L^*, C^*_{ab}, h_{ab}	91.1	49.5	121.2	92.8	39.1	111.6	94.0	38.5	105.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−in:	16.6	16.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 645/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
645	0.875	1.0	0.75	120.0	85.7	111.8	127.2	−67.5	89.0	93.0	27.9	127.2	−16.8	22.2
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
645	0.875	1.0	0.75	120.0	87.6	105.9	117.1	−48.2	94.2	93.5	26.5	117.1	−12.0	23.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.25	j49g	y61l		0.386	1.0	0.0	0.846	1.0	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.25	j35g	y50l		0.645	1.0	0.0	0.911	1.0	0.75

3 Colours no. *j*=645

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	1.0	0.75	0.846	1.0	0.75	0.909	1.0	0.867
$rgb^*_{Fa,\ 8bit}$	223	255	191	216	255	191	232	255	221
L^*, C^*_{ab}, h_{ab}	91.4	39.0	125.7	93.0	27.9	127.2	94.2	28.7	120.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−it:	3.6	3.6	

3 Colours no. *j*=645

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	1.0	0.75	0.911	1.0	0.75	0.952	1.0	0.861
$olv^*_{Fa,\ 8bit}$	223	255	191	232	255	191	243	255	219
L^*, C^*_{ab}, h_{ab}	91.4	39.0	125.7	93.5	26.5	117.1	94.4	24.7	106.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−in:	17.8	17.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
646	0.875	1.0	0.875	150.0	85.7	63.5	162.2	−60.4	19.4	94.2	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
646	0.875	1.0	0.875	150.0	86.0	110.8	132.5	−74.7	81.7	94.2	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.125	j99g	l77c		0.0	1.0	0.774	0.875	1.0	0.972
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.125	j57g	y100l		0.425	1.0	0.0	0.928	1.0	0.875

3 Colours no. *j*=646

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	1.0	0.875	0.875	1.0	0.972	0.933	1.0	0.979
$rgb^*_{Fa,\ 8bit}$	223	255	223	223	255	248	238	255	250
L^*, C^*_{ab}, h_{ab}	91.8	27.5	134.2	94.2	7.9	162.2	95.4	9.6	115.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	21.0	21.0	3D−it:	7.3	7.3	

3 Colours no. *j*=646

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	1.0	0.875	0.928	1.0	0.875	0.943	1.0	0.94
$olv^*_{Fa,\ 8bit}$	223	255	223	237	255	223	241	255	240
L^*, C^*_{ab}, h_{ab}	91.8	27.5	134.2	94.2	13.8	132.5	95.5	20.2	89.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.9	13.9	3D−in:	19.6	19.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
647	0.875	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	93.5	5.5	217.0	−4.3	−3.2	0.0	0.125	g50b	c08v		0.0	0.925	1.0	0.875	0.991	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
647	0.875	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.9	94.1	9.1	196.7	−8.6	−2.5	0.0	0.125	g31b	c00v		0.0	1.0	0.63	0.875	1.0	0.954

3 Colours no. *j*=647

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.875	1.0	1.0	0.875	0.991	1.0	0.934	0.991	1.0
$rgb^*_{Fa,\ 8bit}$	223	255	255	223	253	255	238	253	255
L^*, C^*_{ab}, h_{ab}	93.0	11.7	199.1	93.5	5.5	217.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−it:	6.0	6.0	

3 Colours no. *j*=647

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.875	1.0	1.0	0.875	1.0	0.954	0.909	1.0	1.0
$olv^*_{Fa,\ 8bit}$	223	255	255	223	255	243	232	255	255
L^*, C^*_{ab}, h_{ab}	93.0	11.7	199.1	94.1	9.1	196.7	95.3	6.5	192.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−in:	5.7	5.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
648	1.0	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	52.7	81.3	25.5	73.4	35.0	0.0	1.0	b99r	m81o		1.0	0.0	0.189	1.0	0.0	0.189
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
648	1.0	0.0	0.0	30.0	55.6	86.2	38.2	67.7	53.3	55.6	86.2	38.2	67.7	53.3	0.0	1.0	r19j	m100o		1.0	0.19	0.0	1.0	0.19	0.0

3 Colours no. *j*=648

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.0	1.0	0.0	0.189	1.0	0.0	0.191
$rgb^*_{Fa,\ 8bit}$	255	0	0	255	0	48	255	0	49
L^*, C^*_{ab}, h_{ab}	52.4	90.7	38.2	52.7	81.3	25.5	54.3	88.0	28.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.2	21.2	3D−it:	8.3	8.3

3 Colours no. *j*=648

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.0	1.0	0.19	0.0	1.0	0.149	0.078
$olv^*_{Fa,\ 8bit}$	255	0	0	255	49	0	255	38	20
L^*, C^*_{ab}, h_{ab}	52.4	90.7	38.2	55.6	86.2	38.2	57.4	89.3	40.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.5	5.5	3D−in:	6.1	6.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
649	1.0	0.0	0.125	23.4	52.9	78.0	19.2	73.7	25.7	52.9	78.0	19.2	73.7	25.7	0.0	1.0	b94r	m75o		1.0	0.0	0.252	1.0	0.0	0.252
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
649	1.0	0.0	0.125	23.4	53.2	89.5	30.3	77.2	45.2	53.2	89.5	30.3	77.2	45.2	0.0	1.0	r07j	m89o		1.0	0.073	0.0	1.0	0.073	0.0

3 Colours no. *j*=649

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.125	1.0	0.0	0.252	1.0	0.0	0.253
$rgb^*_{Fa,\ 8bit}$	255	0	32	255	0	64	255	0	64
L^*, C^*_{ab}, h_{ab}	52.5	84.7	31.9	52.9	78.0	19.2	52.9	78.2	19.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	19.1	19.1	3D−it:	0.2	0.2

3 Colours no. *j*=649

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.125	1.0	0.073	0.0	1.0	0.0	0.125
$olv^*_{Fa,\ 8bit}$	255	0	32	255	19	0	255	0	32
L^*, C^*_{ab}, h_{ab}	52.5	84.7	31.9	53.2	89.5	30.3	53.9	94.3	29.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.3	5.3	3D−in:	10.7	10.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
650	1.0	0.0	0.25	16.1	53.1	76.9	12.3	75.2	16.4	53.1	76.9	12.3	75.2	16.4	0.0	1.0	b88r	m67o		1.0	0.0	0.332	1.0	0.0	0.332
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
650	1.0	0.0	0.25	16.1	52.5	87.4	21.6	81.3	32.2	52.5	87.4	21.6	81.3	32.2	0.0	1.0	b96r	m77o		1.0	0.0	0.068	1.0	0.0	0.068

3 Colours no. *j*=650

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.0	0.25	1.0	0.0	0.332	1.0	0.0	0.334
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	255	0	64	255	0	85	255	0	85
L^*, C^*_{ab}, h_{ab}	52.9	78.1	19.4	53.1	76.9	12.3	54.6	81.2	13.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	5.0	5.0	

3 Colours no. *j*=650

output of the device colour *d*:

rgb input (in):									
	1.0	0.0	0.25	1.0	0.0	0.068	1.0	0.0	0.211
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	255	0	64	255	0	17	255	0	54
L^*, C^*_{ab}, h_{ab}	52.9	78.1	19.4	52.5	87.4	21.6	52.9	96.9	23.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.9	9.9	3D−in:	19.8	19.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
651	1.0	0.0	0.375	8.2	53.4	76.7	4.8	76.5	6.5	53.4	76.7	4.8	76.5	6.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
651	1.0	0.0	0.375	8.2	52.8	78.9	12.2	77.2	16.7	52.8	78.9	12.2	77.2	16.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	1.0	b81r	m58o		1.0	0.0	0.424	1.0	0.0	0.424
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	1.0	b88r	m64o		1.0	0.0	0.233	1.0	0.0	0.233

3 Colours no. *j*=651

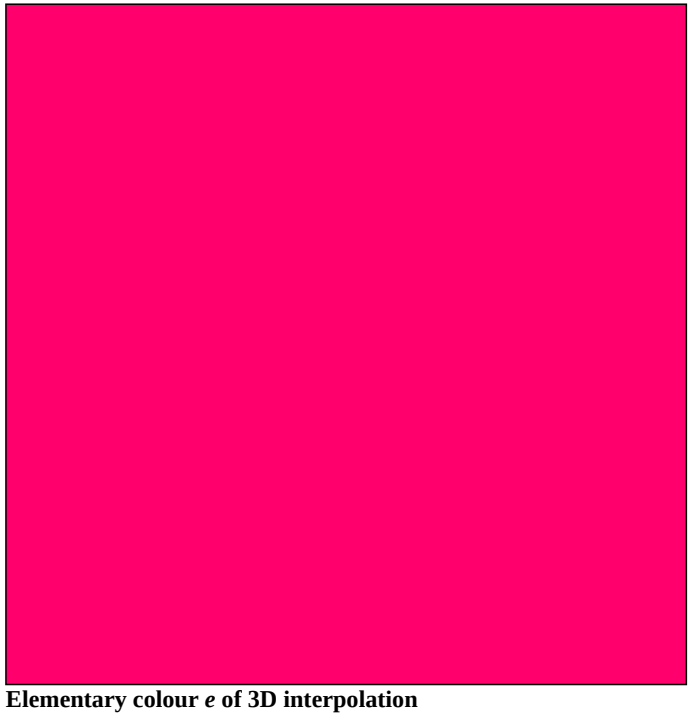
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.375	1.0	0.0	0.424	1.0	0.0	0.424
$rgb^*_{Fa,\ 8bit}$	255	0	96	255	0	108	255	0	108
L^*, C^*_{ab}, h_{ab}	53.3	76.3	8.6	53.4	76.7	4.8	53.6	78.3	8.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.1	5.1	3D−it:	5.1	5.1

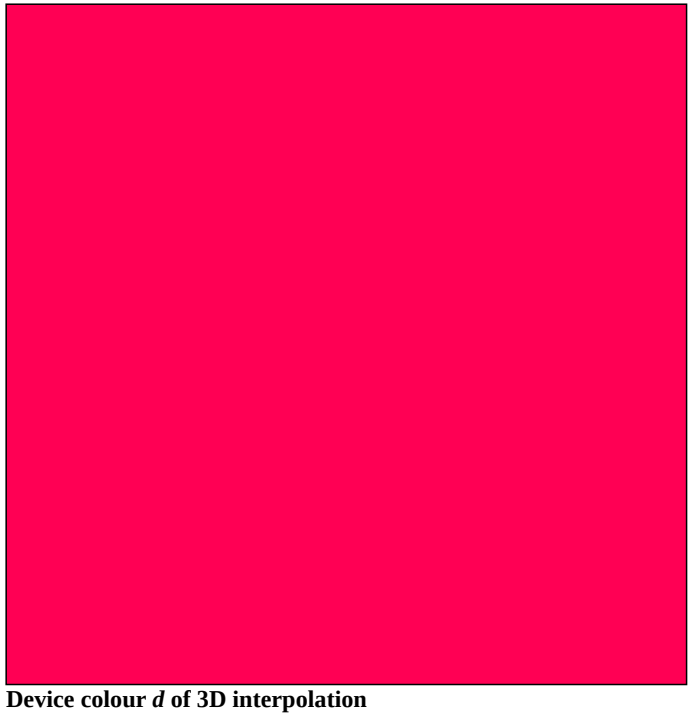
3 Colours no. *j*=651

output of the device colour *d*:

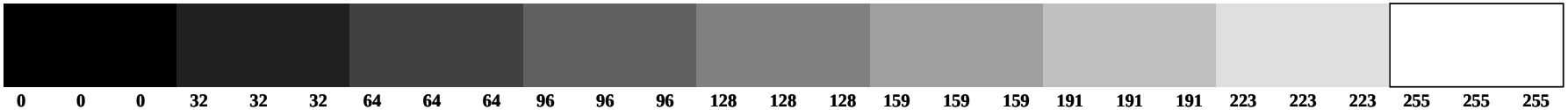
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.375	1.0	0.0	0.233	1.0	0.0	0.328
$olv^*_{Fa,\ 8bit}$	255	0	96	255	0	60	255	0	84
L^*, C^*_{ab}, h_{ab}	53.3	76.3	8.6	52.8	78.9	12.2	53.3	81.9	15.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.5	5.5	3D−in:	11.0	11.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
652	1.0	0.0	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	53.9	78.2	357.0	78.1	−3.9	0.0	1.0	b75r	m47o		1.0	0.0	0.529	1.0	0.0	0.529
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
652	1.0	0.0	0.5	0.0	53.4	76.6	2.4	76.5	3.2	53.4	76.6	2.4	76.5	3.2	0.0	1.0	b79r	m50o		1.0	0.0	0.406	1.0	0.0	0.406

3 Colours no. *j*=652

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.0	0.5	1.0	0.0	0.529	1.0	0.0	0.528
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	0	128	255	0	135	255	0	135
L^*, C^*_{ab}, h_{ab}	53.7	77.4	358.9	53.9	78.2	357.0	54.0	78.7	358.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	2.7	2.7	3D−it:	2.7	2.7

3 Colours no. *j*=652

output of the device colour *d*:

rgb input (in):									
	1.0	0.0	0.5	1.0	0.0	0.406	0.997	0.0	0.453
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	255	0	128	255	0	103	254	0	116
L^*, C^*_{ab}, h_{ab}	53.7	77.4	358.9	53.4	76.6	2.4	53.7	77.8	5.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.8	4.8	3D−in:	9.3	9.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
653	1.0	0.0	0.625	351.8	54.5	81.7	349.3	80.2	−15.1	54.5	81.7	349.3	80.2	−15.1	0.0	1.0	b68r	m35o		1.0	0.0	0.651	1.0	0.0	0.651
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
653	1.0	0.0	0.625	351.8	54.1	79.4	352.6	78.8	−10.1	54.1	79.4	352.6	78.8	−10.1	0.0	1.0	b71r	m36o		1.0	0.0	0.578	1.0	0.0	0.578

3 Colours no. *j*=653

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.625	1.0	0.0	0.651	1.0	0.0	0.649
$rgb^*_{Fa,\ 8bit}$	255	0	159	255	0	166	255	0	166
L^*, C^*_{ab}, h_{ab}	54.3	80.7	350.8	54.5	81.7	349.3	54.6	81.9	350.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.3	2.3	3D−it:	2.3	2.3	

3 Colours no. *j*=653

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.625	1.0	0.0	0.578	0.998	0.002	0.594
$olv^*_{Fa,\ 8bit}$	255	0	159	255	0	147	255	1	151
L^*, C^*_{ab}, h_{ab}	54.3	80.7	350.8	54.1	79.4	352.6	54.3	80.0	354.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−in:	5.5	5.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
654	1.0	0.0	0.75	343.9	55.2	87.2	341.8	82.9	−27.2	55.2	87.2	341.8	82.9	−27.2	0.0	1.0	b61r	m22o		1.0	0.0	0.784	1.0	0.0	0.784
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
654	1.0	0.0	0.75	343.9	54.9	85.1	343.2	81.5	−24.5	54.9	85.1	343.2	81.5	−24.5	0.0	1.0	b63r	m23o		1.0	0.0	0.743	1.0	0.0	0.743

3 Colours no. *j*=654

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.75	1.0	0.0	0.784	1.0	0.0	0.782
$rgb^*_{Fa,\ 8bit}$	255	0	191	255	0	200	255	0	199
L^*, C^*_{ab}, h_{ab}	55.0	85.4	343.6	55.2	87.2	341.8	55.5	87.2	344.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.3	3.3	3D−it:	3.3	3.3

3 Colours no. *j*=654

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.75	1.0	0.0	0.743	0.997	0.01	0.753
$olv^*_{Fa,\ 8bit}$	255	0	191	255	0	190	254	3	192
L^*, C^*_{ab}, h_{ab}	55.0	85.4	343.6	54.9	85.1	343.2	55.0	85.4	343.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	0.7	0.7	3D−in:	0.0	0.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
655	1.0	0.0	0.875	336.6	56.4	95.3	334.9	86.3	−40.4	56.4	95.3	334.9	86.3	−40.4	0.0	1.0	b55r	m10o		1.0	0.0	0.899	1.0	0.0	0.899
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
655	1.0	0.0	0.875	336.6	56.3	95.0	334.5	85.7	−40.8	56.3	95.0	334.5	85.7	−40.8	0.0	1.0	b55r	m11o		1.0	0.0	0.897	1.0	0.0	0.897

3 Colours no. *j*=655

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.875	1.0	0.0	0.899	1.0	0.0	0.898
$rgb^*_{Fa,\ 8bit}$	255	0	223	255	0	229	255	0	229
L^*, C^*_{ab}, h_{ab}	55.9	92.2	336.8	56.4	95.3	334.9	56.9	95.0	337.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−it:	4.5	4.5	

3 Colours no. *j*=655

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.875	1.0	0.0	0.897	0.998	0.002	0.899
$olv^*_{Fa,\ 8bit}$	255	0	223	255	0	229	255	1	229
L^*, C^*_{ab}, h_{ab}	55.9	92.2	336.8	56.3	95.0	334.5	56.8	94.0	337.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−in:	2.2	2.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
656	1.0	0.0	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	57.9	105.3	328.6	89.9	−54.7	0.0	1.0	b50r	m02o		1.0	0.0	0.976	1.0	0.0	0.976
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
656	1.0	0.0	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	56.9	108.7	326.6	90.7	−59.7	0.0	1.0	b47r	m00o		0.965	0.0	1.0	0.965	0.0	1.0

3 Colours no. *j*=656

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	1.0	1.0	0.0	0.976	1.0	0.0	0.974
$rgb^*_{Fa,\ 8bit}$	255	0	255	255	0	249	255	0	248
L^*, C^*_{ab}, h_{ab}	58.4	108.4	326.6	57.9	105.3	328.6	59.6	106.2	330.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.9	4.9	3D−it:	4.3	4.3

3 Colours no. *j*=656

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	1.0	0.965	0.0	1.0	1.0	0.0	1.0
$olv^*_{Fa,\ 8bit}$	255	0	255	246	0	255	255	0	255
L^*, C^*_{ab}, h_{ab}	58.4	108.4	326.6	56.9	108.7	326.6	58.4	108.7	326.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	1.5	1.5	3D−in:	0.4	0.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
657	1.0	0.125	0.0	36.6	52.5	85.6	32.8	71.9	46.4	52.5	85.6	32.8	71.9	46.4	0.0	1.0	r11j	m89o		1.0	0.0	0.106	1.0	0.0	0.106
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
657	1.0	0.125	0.0	36.6	58.7	82.7	45.2	58.3	58.7	58.7	82.7	45.2	58.3	58.7	0.0	1.0	r29j	o11y		1.0	0.295	0.0	1.0	0.295	0.0

3 Colours no. *j*=657

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.0	1.0	0.0	0.106	1.0	0.0	0.107
$rgb^*_{Fa,\ 8bit}$	255	32	0	255	0	27	255	0	27
L^*, C^*_{ab}, h_{ab}	53.8	88.6	40.6	52.5	85.6	32.8	52.5	86.5	33.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−it:	1.7	1.7	

3 Colours no. *j*=657

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.0	1.0	0.295	0.0	1.0	0.251	0.057
$olv^*_{Fa,\ 8bit}$	255	32	0	255	75	0	255	64	15
L^*, C^*_{ab}, h_{ab}	53.8	88.6	40.6	58.7	82.7	45.2	60.2	85.4	46.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.3	10.3	3D−in:	10.9	10.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
658	1.0	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	58.0	71.1	25.5	64.2	30.6	0.0	0.875	b99r	m81o		1.0	0.0	0.189	1.0	0.125	0.29
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
658	1.0	0.125	0.125	30.0	55.6	86.2	38.2	67.7	53.3	60.6	75.4	38.2	59.3	46.6	0.0	0.875	r19j	m100o		1.0	0.19	0.0	1.0	0.291	0.125

3 Colours no. *j*=658

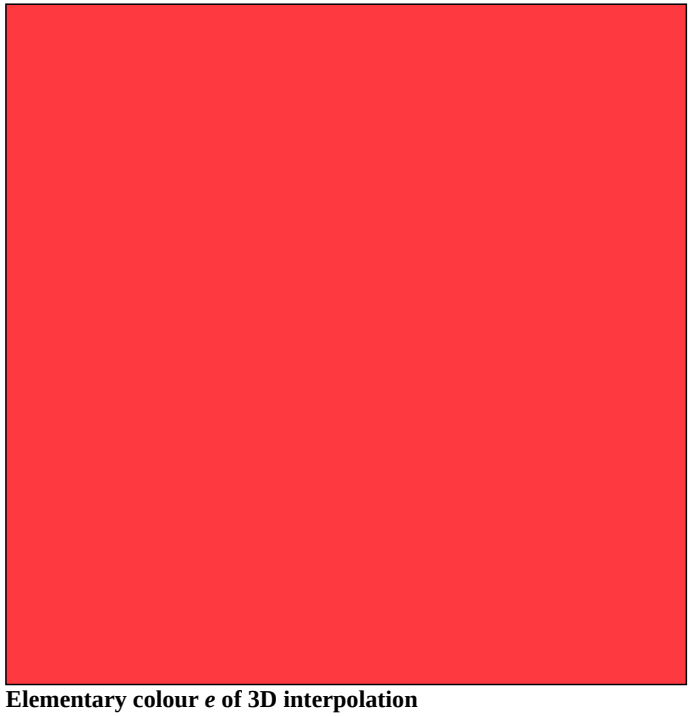
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.125	1.0	0.125	0.29	1.0	0.223	0.251
$rgb^*_{Fa,\ 8bit}$	255	32	32	255	32	74	255	57	64
L^*, C^*_{ab}, h_{ab}	53.9	82.3	34.4	58.0	71.1	25.5	58.3	76.0	25.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.9	16.9	3D−it:	4.8	4.8

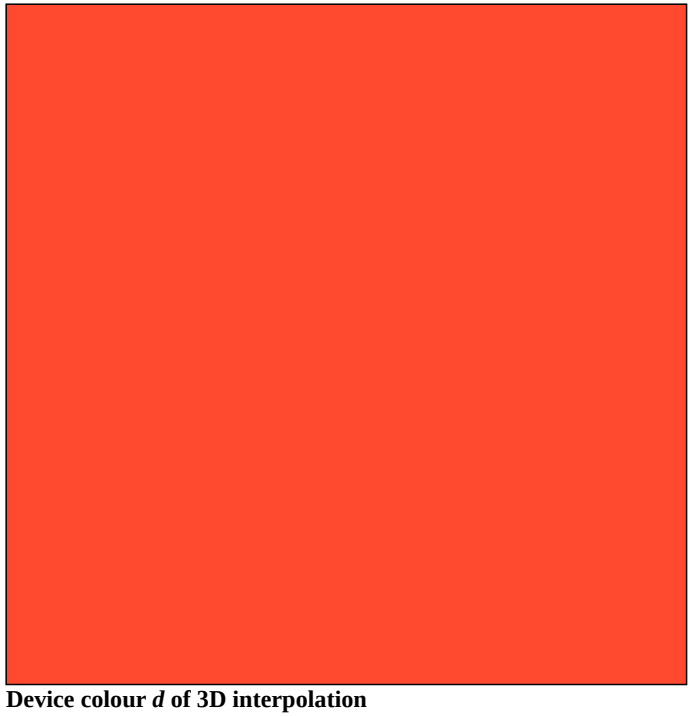
3 Colours no. *j*=658

output of the device colour *d*:

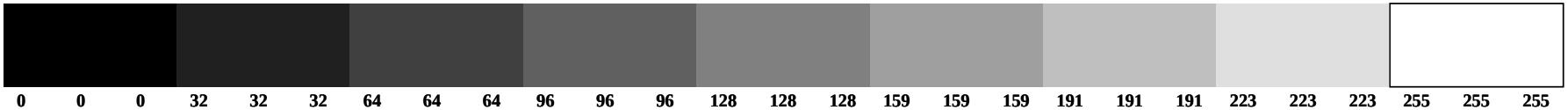
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.125	1.0	0.291	0.125	1.0	0.292	0.186
$olv^*_{Fa,\ 8bit}$	255	32	32	255	74	32	255	74	47
L^*, C^*_{ab}, h_{ab}	53.9	82.3	34.4	60.6	75.4	38.2	63.7	79.0	40.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.9	10.9	3D−in:	13.1	13.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
659	1.0	0.125	0.25	22.4	52.9	77.9	18.3	74.0	24.4	58.2	68.2	18.3	64.7	21.4	0.0	0.875	b93r	m74o		1.0	0.0	0.263	1.0	0.125	0.355
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
659	1.0	0.125	0.25	22.4	53.0	89.8	29.1	78.4	43.7	58.3	78.5	29.1	68.6	38.2	0.0	0.875	r05j	m87o		1.0	0.055	0.0	1.0	0.173	0.125

3 Colours no. *j*=659

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.25	1.0	0.125	0.355	1.0	0.229	0.354
$rgb^*_{Fa,\ 8bit}$	255	32	64	255	32	91	255	58	90
L^*, C^*_{ab}, h_{ab}	54.3	74.9	21.8	58.2	68.2	18.3	58.4	71.9	19.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−it:	4.2	4.2	

3 Colours no. *j*=659

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.25	1.0	0.173	0.125	1.0	0.189	0.224
$olv^*_{Fa,\ 8bit}$	255	32	64	255	44	32	255	48	57
L^*, C^*_{ab}, h_{ab}	54.3	74.9	21.8	58.3	78.5	29.1	58.9	88.9	29.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−in:	18.5	18.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
660	1.0	0.125	0.375	13.9	53.2	76.6	10.2	75.4	13.6	58.5	67.0	10.2	65.9	11.9	0.0	0.875	b86r	m64o		1.0	0.0	0.357	1.0	0.125	0.437
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
660	1.0	0.125	0.375	13.9	52.5	85.2	19.0	80.6	27.7	57.9	74.6	19.0	70.5	24.3	0.0	0.875	b93r	m73o		1.0	0.0	0.114	1.0	0.125	0.225

3 Colours no. *j*=660

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.375	1.0	0.125	0.437	1.0	0.251	0.444
$rgb^*_{Fa,\ 8bit}$	255	32	96	255	32	111	255	64	113
L^*, C^*_{ab}, h_{ab}	54.6	72.7	10.6	58.5	67.0	10.2	58.5	70.3	15.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	6.6	6.6	

3 Colours no. *j*=660

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.375	1.0	0.125	0.225	1.0	0.125	0.25
$olv^*_{Fa,\ 8bit}$	255	32	96	255	32	57	255	32	64
L^*, C^*_{ab}, h_{ab}	54.6	72.7	10.6	57.9	74.6	19.0	61.5	76.7	21.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−in:	15.9	15.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
661	1.0	0.125	0.5	4.7	53.6	77.1	1.5	77.1	2.0	58.8	67.5	1.5	67.4	1.8	0.0	0.875	b78r	m53o		1.0	0.0	0.467	1.0	0.125	0.533
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
661	1.0	0.125	0.5	4.7	53.0	77.3	8.0	76.5	10.8	58.3	67.6	8.0	67.0	9.4	0.0	0.875	b84r	m58o		1.0	0.0	0.307	1.0	0.125	0.393

3 Colours no. *j*=661

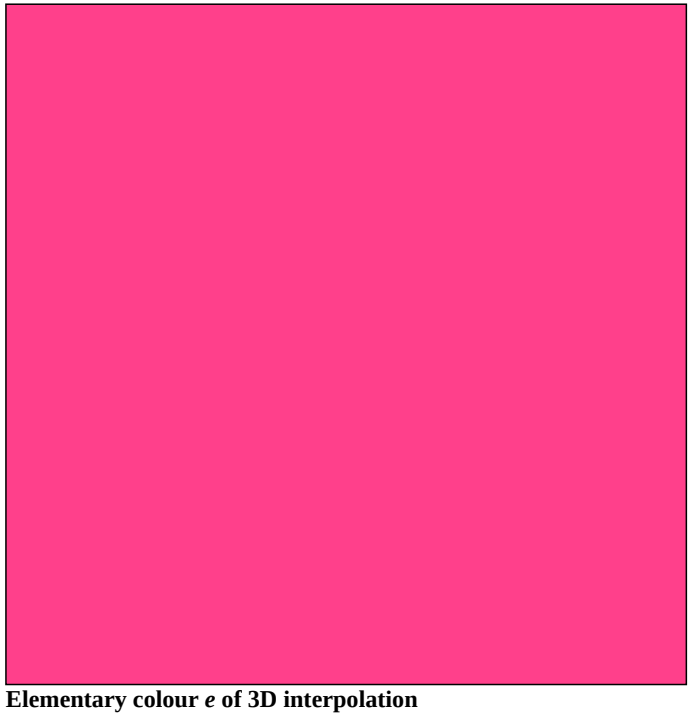
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.5	1.0	0.125	0.533	1.0	0.251	0.546
$rgb^*_{Fa,\ 8bit}$	255	32	128	255	32	136	255	64	139
L^*, C^*_{ab}, h_{ab}	55.1	44.1	36.5	58.8	67.5	1.5	59.2	71.2	4.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	40.4	40.4	3D−it:	5.2	5.2	

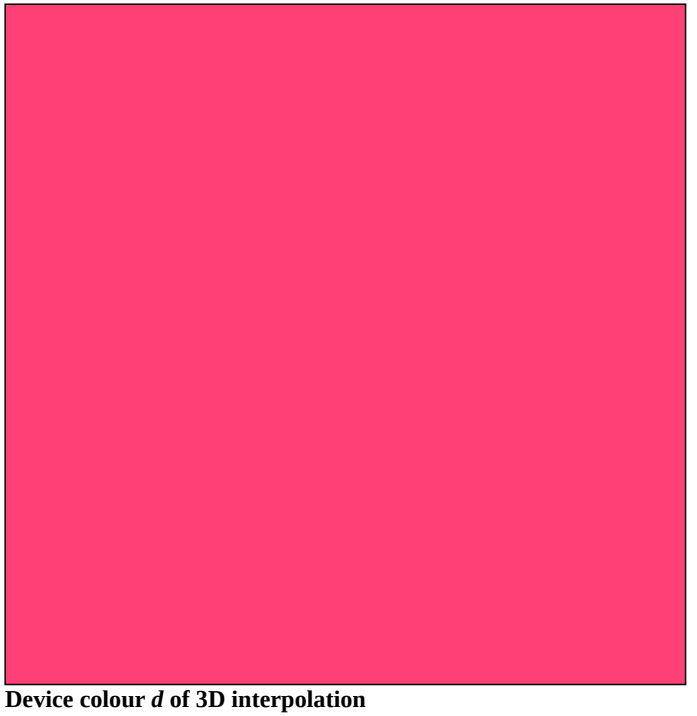
3 Colours no. *j*=661

output of the device colour *d*:

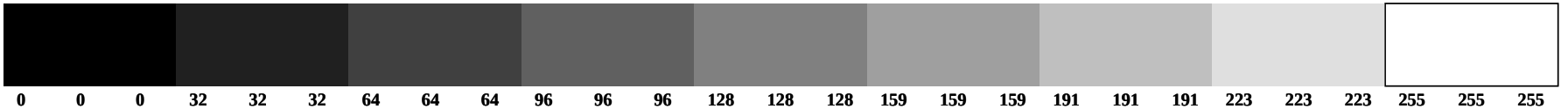
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.5	1.0	0.125	0.393	1.0	0.251	0.465
$olv^*_{Fa,\ 8bit}$	255	32	128	255	32	100	255	64	119
L^*, C^*_{ab}, h_{ab}	55.1	44.1	36.5	58.3	67.6	8.0	58.5	71.2	10.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	35.8	35.8	3D−in:	37.0	37.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
662	1.0	0.125	0.625	355.3	54.2	80.0	352.6	79.3	−10.2	59.3	70.0	352.6	69.4	−8.9	0.0	0.875	b71r	m40o		1.0	0.0	0.597	1.0	0.125	0.648
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
662	1.0	0.125	0.625	355.3	53.8	77.5	356.8	77.4	−4.2	59.0	67.8	356.8	67.7	−3.7	0.0	0.875	b74r	m42o		1.0	0.0	0.505	1.0	0.125	0.566

3 Colours no. j=662

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.625	1.0	0.125	0.648	1.0	0.234	0.663
$rgb^*_{Fa,\ 8bit}$	255	32	159	255	32	165	255	60	169
L^*, C^*_{ab}, h_{ab}	55.6	76.5	351.7	59.3	70.0	352.6	59.7	72.8	355.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.6	7.6	3D−it:	4.5	4.5

3 Colours no. j=662

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.625	1.0	0.125	0.566	1.0	0.231	0.609
$olv^*_{Fa,\ 8bit}$	255	32	159	255	32	144	255	59	155
L^*, C^*_{ab}, h_{ab}	55.6	76.5	351.7	59.0	67.8	356.8	59.0	69.2	358.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.2	11.2	3D−in:	11.8	11.8

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
663	1.0	0.125	0.75	346.1	54.9	85.2	343.9	81.9	−23.6	60.0	74.6	343.9	71.6	−20.6	0.0	0.875	b63r	m25o		1.0	0.0	0.746	1.0	0.125	0.777
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
663	1.0	0.125	0.75	346.1	54.7	83.4	345.8	80.9	−20.3	59.8	73.0	345.8	70.8	−17.8	0.0	0.875	b65r	m27o		1.0	0.0	0.697	1.0	0.125	0.735

3 Colours no. *j*=663

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.75	1.0	0.125	0.777	1.0	0.237	0.79
$rgb^*_{Fa,\ 8bit}$	255	32	191	255	32	198	255	61	201
L^*, C^*_{ab}, h_{ab}	56.3	81.3	344.1	60.0	74.6	343.9	60.4	76.5	347.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.7	7.7	3D−it:	4.7	4.7

3 Colours no. *j*=663

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.75	1.0	0.125	0.735	1.0	0.238	0.76
$olv^*_{Fa,\ 8bit}$	255	32	191	255	32	187	255	61	194
L^*, C^*_{ab}, h_{ab}	56.3	81.3	344.1	59.8	73.0	345.8	60.0	74.7	346.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.3	9.3	3D−in:	8.3	8.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
664	1.0	0.125	0.875	337.6	56.1	93.8	335.8	85.6	−38.3	61.1	82.1	335.8	74.9	−33.5	0.0	0.875	b56r	m11o		1.0	0.0	0.888	1.0	0.125	0.902
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
664	1.0	0.125	0.875	337.6	55.9	92.3	335.7	84.1	−37.9	60.8	80.7	335.7	73.6	−33.1	0.0	0.875	b56r	m13o		1.0	0.0	0.876	1.0	0.125	0.891

3 Colours no. *j*=664

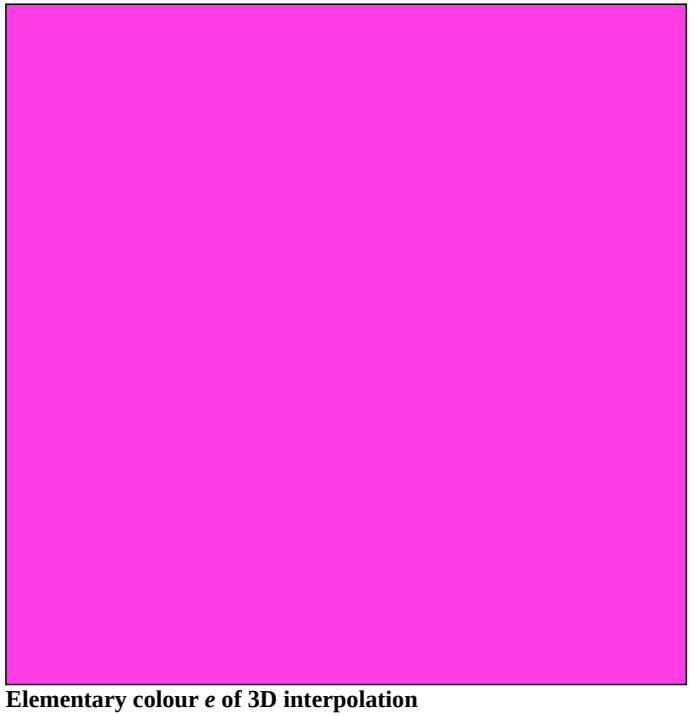
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.875	1.0	0.125	0.902	1.0	0.239	0.9
$rgb^*_{Fa,\ 8bit}$	255	32	223	255	32	230	255	61	229
L^*, C^*_{ab}, h_{ab}	57.2	88.0	337.0	61.1	82.1	335.8	61.7	83.2	339.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.3	7.3	3D−it:	5.4	5.4

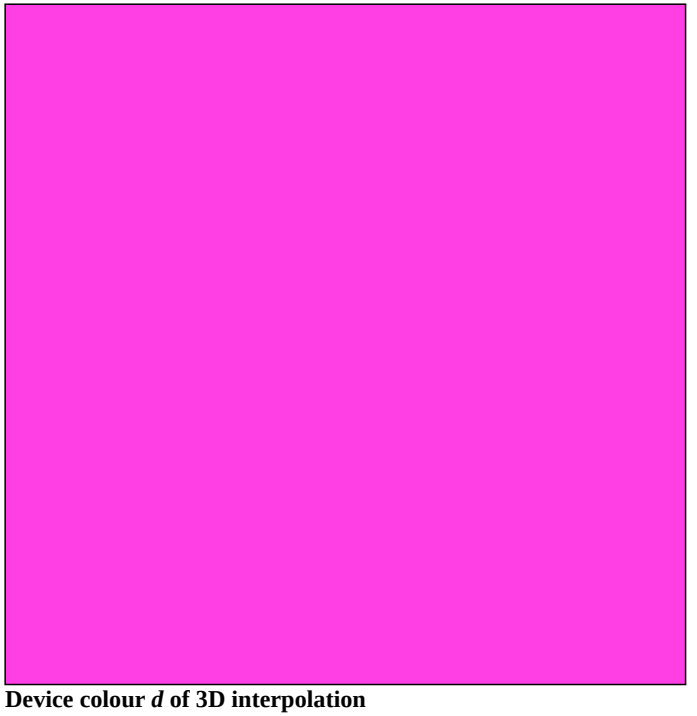
3 Colours no. *j*=664

output of the device colour *d*:

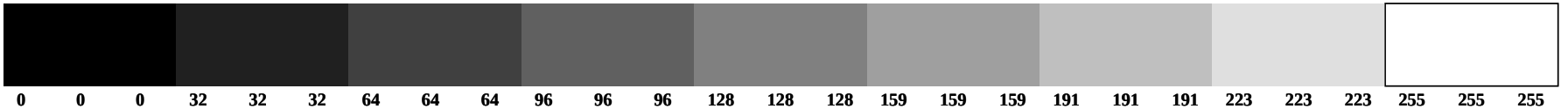
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.875	1.0	0.125	0.891	1.0	0.247	0.896
$olv^*_{Fa,\ 8bit}$	255	32	223	255	32	227	255	63	229
L^*, C^*_{ab}, h_{ab}	57.2	88.0	337.0	60.8	80.7	335.7	61.3	80.8	338.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.4	8.4	3D−in:	8.7	8.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
665	1.0	0.125	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	62.6	92.1	328.6	78.6	−47.9	0.0	0.875	b50r	m02o		1.0	0.0	0.976	1.0	0.125	0.979
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
665	1.0	0.125	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	61.7	95.1	326.6	79.4	−52.2	0.0	0.875	b47r	m00o		0.965	0.0	1.0	0.97	0.125	1.0

3 Colours no. *j*=665

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.125	1.0	1.0	0.125	0.979	1.0	0.243	0.978
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	32	255	255	32	250	255	62	249
L^*, C^*_{ab}, h_{ab}	59.6	104.5	326.5	62.6	92.1	328.6	62.6	90.0	331.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.2	13.2	3D−it:	4.8	4.8	

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
1.0	0.125	1.0	1.0	0.125	0.979	1.0	0.243	0.978
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	32	255	255	32	250	255	62	249
L^*, C^*_{ab}, h_{ab}	59.6	104.5	326.5	62.6	92.1	328.6	62.6	90.0	331.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.2	13.2	3D−it:	4.8	4.8	

3 Colours no. *j*=665

output of the device colour *d*:

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
1.0	0.125	1.0	0.97	0.125	1.0	0.996	0.226	0.991
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	255	32	255	247	32	255	254	58	253
L^*, C^*_{ab}, h_{ab}	59.6	104.5	326.5	61.7	95.1	326.6	62.6	95.7	327.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	9.4	9.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
666	1.0	0.25	0.0	43.9	54.0	88.3	41.0	66.7	57.9	54.0	88.3	41.0	66.7	57.9	0.0	1.0	r23j	o13y		1.0	0.132	0.0	1.0	0.132	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
666	1.0	0.25	0.0	43.9	62.7	80.0	52.9	48.2	63.8	62.7	80.0	52.9	48.2	63.8	0.0	1.0	r41j	o23y		1.0	0.411	0.0	1.0	0.411	0.0

3 Colours no. *j*=666

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.0	1.0	0.132	0.0	1.0	0.133	0.0
$rgb^*_{Fa,\ 8bit}$	255	64	0	255	34	0	255	34	0
L^*, C^*_{ab}, h_{ab}	57.3	84.0	47.0	54.0	88.3	41.0	54.2	88.9	40.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−it:	0.7	0.7	

3 Colours no. *j*=666

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.0	1.0	0.411	0.0	1.0	0.376	0.048
$olv^*_{Fa,\ 8bit}$	255	64	0	255	105	0	255	96	12
L^*, C^*_{ab}, h_{ab}	57.3	84.0	47.0	62.7	80.0	52.9	64.0	82.5	52.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	10.8	10.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
667	1.0	0.25	0.125	37.6	52.5	86.6	33.9	71.9	48.4	57.8	75.8	33.9	62.9	42.3	0.0	0.875	r13j	m92o		1.0	0.0	0.084	1.0	0.125	0.199
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
667	1.0	0.25	0.125	37.6	59.3	82.3	46.2	56.9	59.4	63.8	72.0	46.2	49.8	52.0	0.0	0.875	r31j	o13y		1.0	0.311	0.0	1.0	0.397	0.125

3 Colours no. *j*=667

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.125	1.0	0.125	0.199	1.0	0.225	0.189
$rgb^*_{Fa,\ 8bit}$	255	64	32	255	32	51	255	57	48
L^*, C^*_{ab}, h_{ab}	57.4	77.2	41.2	57.8	75.8	33.9	61.8	82.3	34.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−it:	7.6	7.6	

3 Colours no. *j*=667

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.125	1.0	0.397	0.125	1.0	0.376	0.176
$olv^*_{Fa,\ 8bit}$	255	64	32	255	101	32	255	96	45
L^*, C^*_{ab}, h_{ab}	57.4	77.2	41.2	63.8	72.0	46.2	66.1	76.5	46.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	11.5	11.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
668	1.0	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	63.4	61.0	25.5	55.0	26.2	0.0	0.75	b99r	m81o		1.0	0.0	0.189	1.0	0.25	0.392
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
668	1.0	0.25	0.25	30.0	55.6	86.2	38.2	67.7	53.3	65.6	64.6	38.2	50.8	40.0	0.0	0.75	r19j	m100o		1.0	0.19	0.0	1.0	0.393	0.25

3 Colours no. *j*=668

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.25	1.0	0.25	0.392	1.0	0.372	0.376
$rgb^*_{Fa,\ 8bit}$	255	64	64	255	64	100	255	95	96
L^*, C^*_{ab}, h_{ab}	57.7	68.2	28.6	63.4	61.0	25.5	64.7	65.5	25.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.8	9.8	3D−it:	4.7	4.7

3 Colours no. *j*=668

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.25	1.0	0.393	0.25	1.0	0.375	0.25
$olv^*_{Fa,\ 8bit}$	255	64	64	255	100	64	255	96	64
L^*, C^*_{ab}, h_{ab}	57.7	68.2	28.6	65.6	64.6	38.2	69.4	67.1	38.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.0	14.0	3D−in:	16.5	16.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
669	1.0	0.25	0.375	21.0	52.9	77.7	17.0	74.3	22.7	63.6	58.3	17.0	55.7	17.0	0.0	0.75	b92r	m72o		1.0	0.0	0.278	1.0	0.25	0.458
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
669	1.0	0.25	0.375	21.0	52.7	90.2	27.5	80.0	41.7	63.4	67.6	27.5	60.0	31.2	0.0	0.75	r03j	m85o		1.0	0.031	0.0	1.0	0.273	0.25

3 Colours no. *j*=669

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.375	1.0	0.25	0.458	1.0	0.375	0.467
$rgb^*_{Fa,\ 8bit}$	255	64	96	255	64	117	255	96	119
L^*, C^*_{ab}, h_{ab}	58.1	64.5	16.5	63.6	58.3	17.0	64.6	62.5	21.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−it:	6.2	6.2	

3 Colours no. *j*=669

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.375	1.0	0.273	0.25	1.0	0.25	0.25
$olv^*_{Fa,\ 8bit}$	255	64	96	255	70	64	255	64	64
L^*, C^*_{ab}, h_{ab}	58.1	64.5	16.5	63.4	67.6	27.5	69.1	68.4	28.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.1	14.1	3D−in:	18.1	18.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
670	1.0	0.25	0.5	10.9	53.3	76.5	7.4	75.8	9.8	63.8	57.3	7.4	56.9	7.4	0.0	0.75	b83r	m61o		1.0	0.0	0.391	1.0	0.25	0.543
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
670	1.0	0.25	0.5	10.9	52.7	81.9	15.4	79.0	21.8	63.3	61.4	15.4	59.2	16.3	0.0	0.75	b90r	m68o		1.0	0.0	0.177	1.0	0.25	0.383

3 Colours no. *j*=670

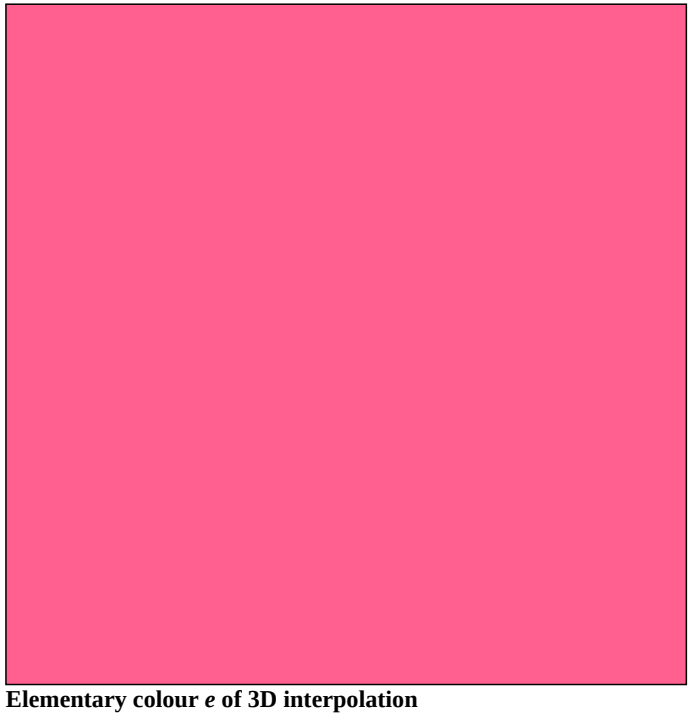
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.5	1.0	0.25	0.543	1.0	0.376	0.566
$rgb^*_{Fa,\ 8bit}$	255	64	128	255	64	139	255	96	144
L^*, C^*_{ab}, h_{ab}	58.5	64.2	5.0	63.8	57.3	7.4	65.2	61.7	10.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−it:	5.7	5.7	

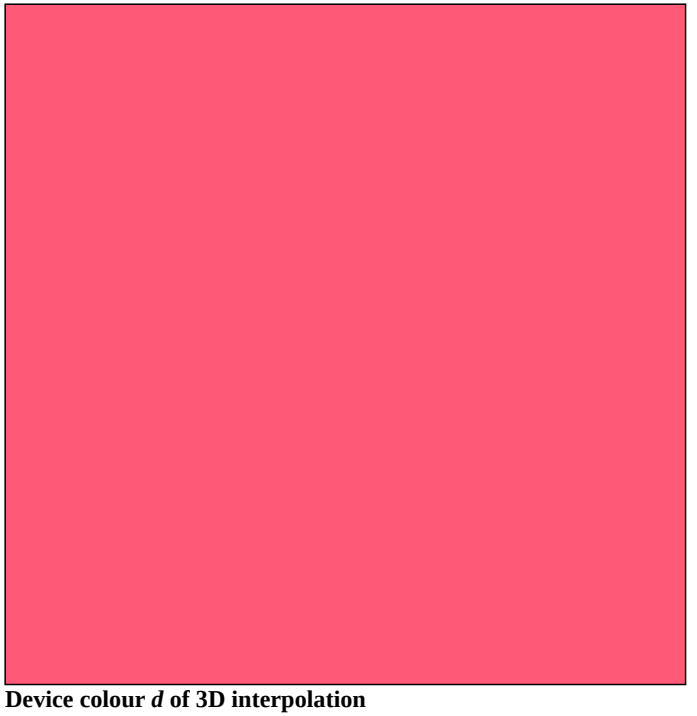
3 Colours no. *j*=670

output of the device colour *d*:

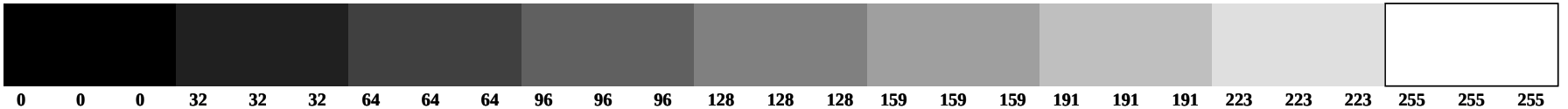
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.5	1.0	0.25	0.383	1.0	0.349	0.472
$olv^*_{Fa,\ 8bit}$	255	64	128	255	64	98	255	89	120
L^*, C^*_{ab}, h_{ab}	58.5	64.2	5.0	63.3	61.4	15.4	64.2	68.6	17.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.7	12.7	3D−in:	16.7	16.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
671	1.0	0.25	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	64.3	58.6	357.0	58.5	−2.9	0.0	0.75	b75r	m47o		1.0	0.0	0.529	1.0	0.25	0.647
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
671	1.0	0.25	0.625	0.0	53.4	76.6	2.4	76.5	3.2	63.9	57.4	2.4	57.4	2.4	0.0	0.75	b79r	m50o		1.0	0.0	0.406	1.0	0.25	0.554

3 Colours no. *j*=671

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.625	1.0	0.25	0.647	1.0	0.376	0.679
$rgb^*_{Fa,\ 8bit}$	255	64	159	255	64	165	255	96	173
L^*, C^*_{ab}, h_{ab}	59.0	66.5	354.9	64.3	58.6	357.0	65.6	61.5	0.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−it:	4.5	4.5	

3 Colours no. *j*=671

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.625	1.0	0.25	0.554	1.0	0.376	0.616
$olv^*_{Fa,\ 8bit}$	255	64	159	255	64	141	255	96	157
L^*, C^*_{ab}, h_{ab}	59.0	66.5	354.9	63.9	57.4	2.4	64.9	59.4	4.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−in:	14.1	14.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
672	1.0	0.25	0.75	349.1	54.7	83.4	346.7	81.1	−19.0	64.9	62.5	346.7	60.8	−14.3	0.0	0.75	b66r	m30o		1.0	0.0	0.696	1.0	0.25	0.772
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
672	1.0	0.25	0.75	349.1	54.4	81.0	349.4	79.7	−14.8	64.6	60.8	349.4	59.7	−11.1	0.0	0.75	b68r	m32o		1.0	0.0	0.634	1.0	0.25	0.726

3 Colours no. *j*=672

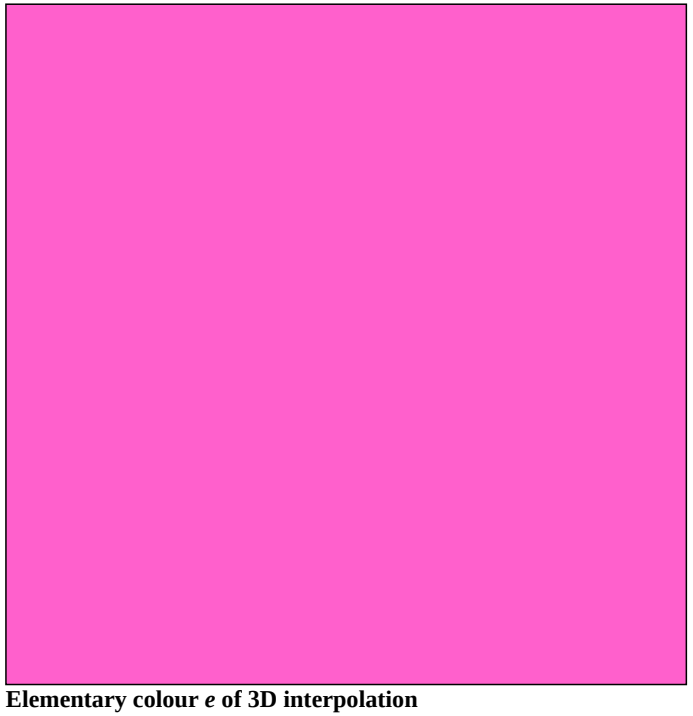
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.75	1.0	0.25	0.772	1.0	0.376	0.801
$rgb^*_{Fa,\ 8bit}$	255	64	191	255	64	197	255	96	204
L^*, C^*_{ab}, h_{ab}	59.6	70.8	346.0	64.9	62.5	346.7	66.3	64.5	350.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.9	9.9	3D−it:	4.4	4.4	

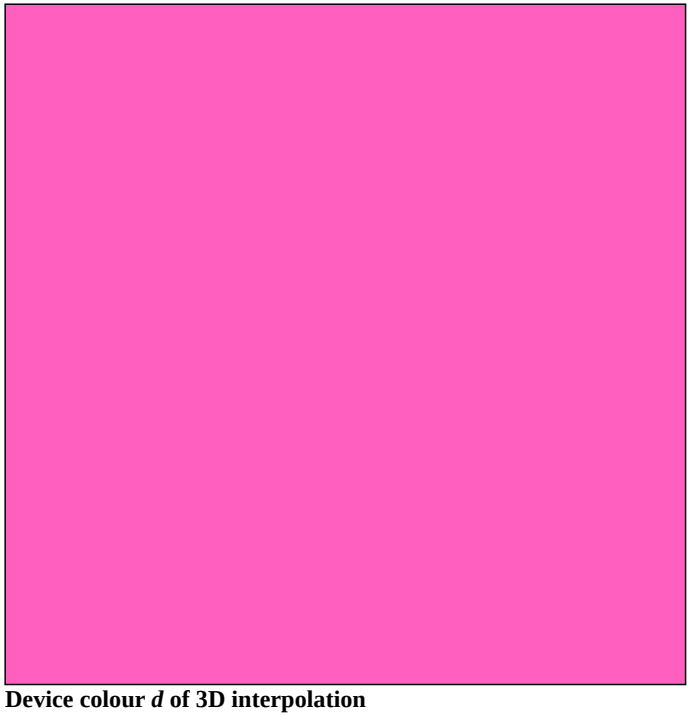
3 Colours no. *j*=672

output of the device colour *d*:

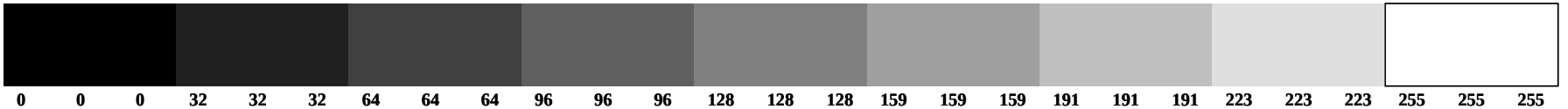
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.75	1.0	0.25	0.726	1.0	0.375	0.75
$olv^*_{Fa,\ 8bit}$	255	64	191	255	64	185	255	96	191
L^*, C^*_{ab}, h_{ab}	59.6	70.8	346.0	64.6	60.8	349.4	65.8	62.3	349.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−in:	11.4	11.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
673	1.0	0.25	0.875	339.0	55.9	91.9	337.1	84.7	−35.7	65.7	68.9	337.1	63.5	−26.7	0.0	0.75	b57r	m13o		1.0	0.0	0.87	1.0	0.25	0.903
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
673	1.0	0.25	0.875	339.0	55.7	90.7	337.3	83.6	−34.9	65.6	68.0	337.3	62.7	−26.1	0.0	0.75	b57r	m15o		1.0	0.0	0.847	1.0	0.25	0.885

3 Colours no. *j*=673

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.875	1.0	0.25	0.903	1.0	0.388	0.903
$rgb^*_{Fa,\ 8bit}$	255	64	223	255	64	230	255	99	230
L^*, C^*_{ab}, h_{ab}	60.4	77.6	337.8	65.7	68.9	337.1	67.3	69.7	340.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−it:	4.4	4.4	

3 Colours no. *j*=673

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.875	1.0	0.25	0.885	1.0	0.39	0.899
$olv^*_{Fa,\ 8bit}$	255	64	223	255	64	226	255	100	229
L^*, C^*_{ab}, h_{ab}	60.4	77.6	337.8	65.6	68.0	337.3	67.1	68.2	340.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−in:	11.8	11.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
674	1.0	0.25	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	67.3	79.0	328.6	67.4	−41.0	0.0	0.75	b50r	m02o		1.0	0.0	0.976	1.0	0.25	0.982
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
674	1.0	0.25	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	66.5	81.5	326.6	68.1	−44.7	0.0	0.75	b47r	m00o		0.965	0.0	1.0	0.974	0.25	1.0

3 Colours no. *j*=674

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.25	1.0	1.0	0.25	0.982	1.0	0.394	0.981
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	64	255	255	64	250	255	100	250
L^*, C^*_{ab}, h_{ab}	62.6	94.5	326.0	67.3	79.0	328.6	68.3	76.9	332.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.6	16.6	3D−it:	6.0	6.0	

rgb input (in):	linear interpolation (it):			3D interpolation (3D):		
	1.0	0.25	1.0	1.0	0.25	1.0
rgb^*_{Fa}						
$rgb^*_{Fa,\ 8bit}$	255	64	255	255	64	255
L^*, C^*_{ab}, h_{ab}	62.6	94.5	326.0	66.5	81.5	326.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−in:

3 Colours no. *j*=674

output of the device colour *d*:

rgb input (in):									
	1.0	0.25	1.0	0.974	0.25	1.0	1.0	0.381	0.992
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	255	64	255	248	64	255	255	97	253
L^*, C^*_{ab}, h_{ab}	62.6	94.5	326.0	66.5	81.5	326.6	66.8	80.6	328.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.6	13.6	3D−in:	14.8	14.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
675	1.0	0.375	0.0	51.8	58.8	82.7	49.7	53.5	63.1	58.8	82.7	49.7	53.5	63.1	0.0	1.0	r36j	o29y		1.0	0.295	0.0	1.0	0.295	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
675	1.0	0.375	0.0	51.8	67.3	78.9	61.3	37.9	69.2	67.3	78.9	61.3	37.9	69.2	0.0	1.0	r53j	o36y		1.0	0.536	0.0	1.0	0.536	0.0

3 Colours no. *j*=675

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.0	1.0	0.295	0.0	1.0	0.296	0.0
$rgb^*_{Fa,\ 8bit}$	255	96	0	255	75	0	255	75	0
L^*, C^*_{ab}, h_{ab}	61.4	80.5	54.7	58.8	82.7	49.7	60.2	86.6	48.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−it:	4.5	4.5	

3 Colours no. *j*=675

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.0	1.0	0.536	0.0	1.0	0.5	0.0
$olv^*_{Fa,\ 8bit}$	255	96	0	255	137	0	255	128	0
L^*, C^*_{ab}, h_{ab}	61.4	80.5	54.7	67.3	78.9	61.3	68.7	81.4	60.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−in:	10.5	10.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
676	1.0	0.375	0.125	46.1	55.3	86.6	43.4	62.9	59.5	60.3	75.7	43.4	55.0	52.0	0.0	0.875	r27j	o18y		1.0	0.18	0.0	1.0	0.283	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
676	1.0	0.375	0.125	46.1	63.9	79.5	55.3	45.3	65.3	67.9	69.6	55.3	39.6	57.2	0.0	0.875	r44j	o27y		1.0	0.446	0.0	1.0	0.515	0.125

3 Colours no. *j*=676

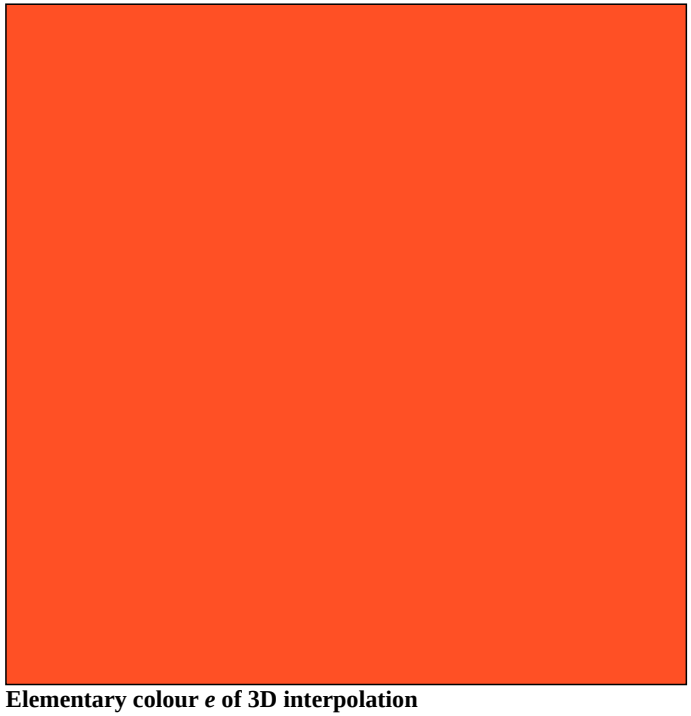
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.125	1.0	0.283	0.125	1.0	0.313	0.144
$rgb^*_{Fa,\ 8bit}$	255	96	32	255	72	32	255	80	37
L^*, C^*_{ab}, h_{ab}	61.5	73.1	49.7	60.3	75.7	43.4	63.3	78.8	42.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.7	8.7	3D−it:	4.4	4.4

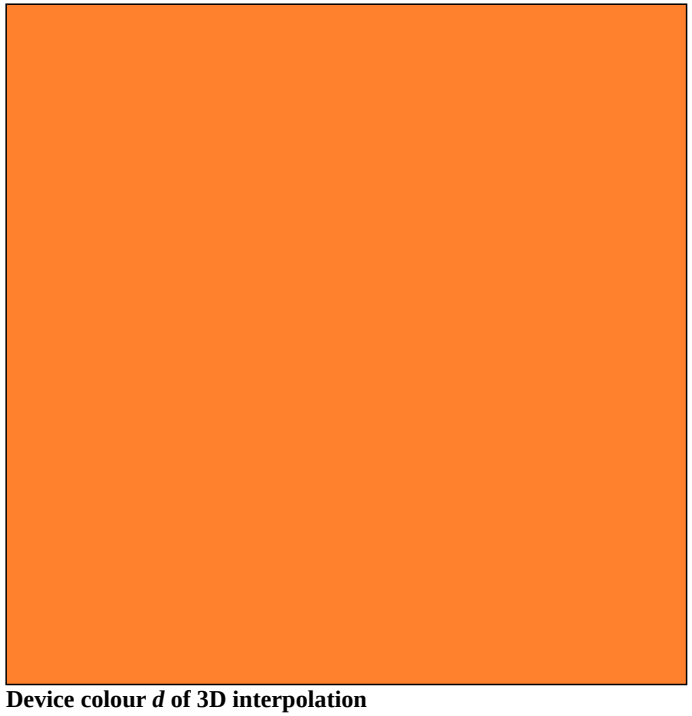
3 Colours no. *j*=676

output of the device colour *d*:

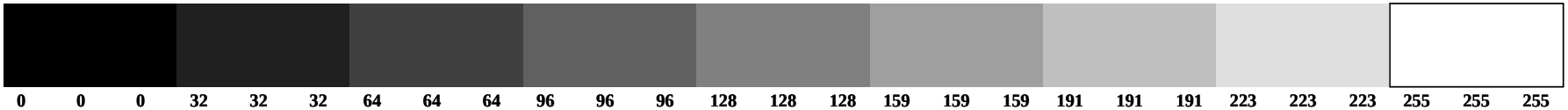
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.125	1.0	0.515	0.125	1.0	0.502	0.176
$olv^*_{Fa,\ 8bit}$	255	96	32	255	131	32	255	128	45
L^*, C^*_{ab}, h_{ab}	61.5	73.1	49.7	67.9	69.6	55.3	69.7	75.1	54.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.0	10.0	3D−in:	10.5	10.5



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
677	1.0	0.375	0.25	38.9	52.4	88.1	35.4	71.8	51.1	63.2	66.1	35.4	53.8	38.3	0.0	0.75	r15j	m95o		1.0	0.0	0.054	1.0	0.25	0.291
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
677	1.0	0.375	0.25	38.9	60.0	81.7	47.7	55.0	60.4	68.8	61.3	47.7	41.3	45.3	0.0	0.75	r33j	o15y		1.0	0.332	0.0	1.0	0.499	0.25

3 Colours no. *j*=677

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.25	1.0	0.25	0.291	1.0	0.371	0.251
$rgb^*_{Fa,\ 8bit}$	255	96	64	255	64	74	255	95	64
L^*, C^*_{ab}, h_{ab}	61.7	62.2	37.9	63.2	66.1	35.4	64.6	70.1	33.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−it:	5.0	5.0	

3 Colours no. *j*=677

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.25	1.0	0.499	0.25	1.0	0.5	0.25
$olv^*_{Fa,\ 8bit}$	255	96	64	255	127	64	255	128	64
L^*, C^*_{ab}, h_{ab}	61.7	62.2	37.9	68.8	61.3	47.7	71.4	64.5	45.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.7	12.7	3D−in:	13.2	13.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
678	1.0	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	68.7	50.8	25.5	45.9	21.9	0.0	0.625	b99r	m81o		1.0	0.0	0.189	1.0	0.375	0.493
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
678	1.0	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	70.5	53.9	38.2	42.3	33.3	0.0	0.625	r19j	m100o		1.0	0.19	0.0	1.0	0.494	0.375

3 Colours no. *j*=678

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.375	1.0	0.375	0.493	1.0	0.502	0.494
$rgb^*_{Fa,\ 8bit}$	255	96	96	255	96	126	255	128	126
L^*, C^*_{ab}, h_{ab}	62.1	56.5	25.4	68.7	50.8	25.5	70.5	56.1	27.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−it:	5.8	5.8	

3 Colours no. *j*=678

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.375	1.0	0.494	0.375	1.0	0.5	0.375
$olv^*_{Fa,\ 8bit}$	255	96	96	255	126	96	255	128	96
L^*, C^*_{ab}, h_{ab}	62.1	56.5	25.4	70.5	53.9	38.2	74.5	57.8	38.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.2	15.2	3D−in:	18.1	18.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
679	1.0	0.375	0.5	19.1	53.0	77.4	15.1	74.7	20.2	68.9	48.4	15.1	46.7	12.6	0.0	0.625	b90r	m70o		1.0	0.0	0.299	1.0	0.375	0.562
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
679	1.0	0.375	0.5	19.1	52.4	90.4	25.2	81.8	38.5	68.5	56.5	25.2	51.1	24.1	0.0	0.625	b99r	m82o		1.0	0.0	0.005	1.0	0.375	0.378

3 Colours no. *j*=679

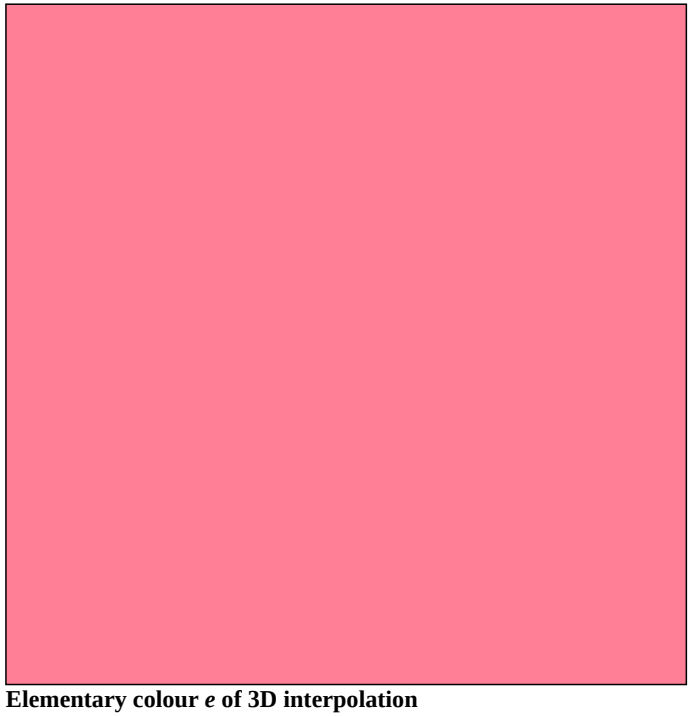
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.5	1.0	0.375	0.562	1.0	0.502	0.59
$rgb^*_{Fa,\ 8bit}$	255	96	128	255	96	143	255	128	150
L^*, C^*_{ab}, h_{ab}	62.5	54.4	12.2	68.9	48.4	15.1	70.5	52.5	20.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−it:	6.6	6.6	

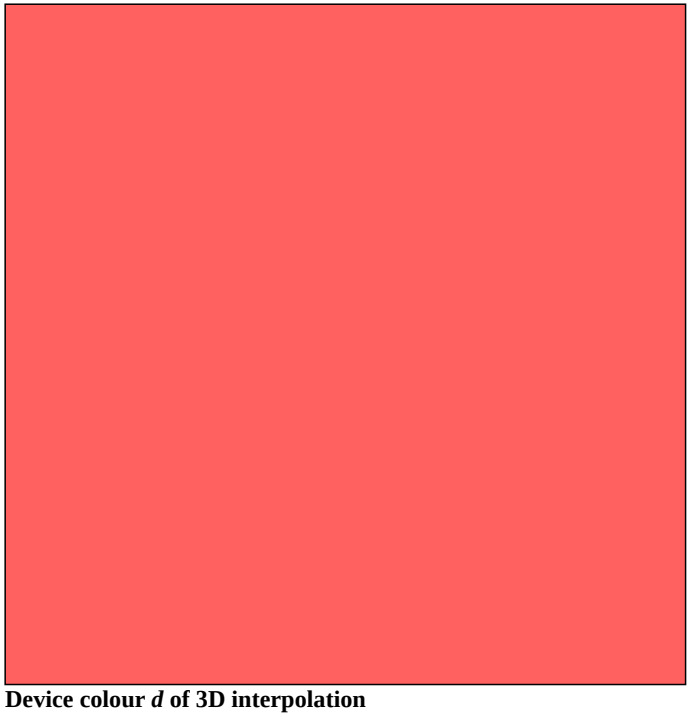
3 Colours no. *j*=679

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.5	1.0	0.375	0.378	1.0	0.375	0.375
$olv^*_{Fa,\ 8bit}$	255	96	128	255	96	96	255	96	96
L^*, C^*_{ab}, h_{ab}	62.5	54.4	12.2	68.5	56.5	25.2	75.0	56.7	25.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.1	14.1	3D−in:	17.9	17.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
680	1.0	0.375	0.625	6.6	53.5	76.9	3.3	76.8	4.4	69.2	48.1	3.3	48.0	2.8	0.0	0.625	b80r	m56o		1.0	0.0	0.444	1.0	0.375	0.652
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
680	1.0	0.375	0.625	6.6	52.9	77.8	10.3	76.6	13.9	68.8	48.6	10.3	47.9	8.7	0.0	0.625	b86r	m61o		1.0	0.0	0.268	1.0	0.375	0.542

3 Colours no. *j*=680

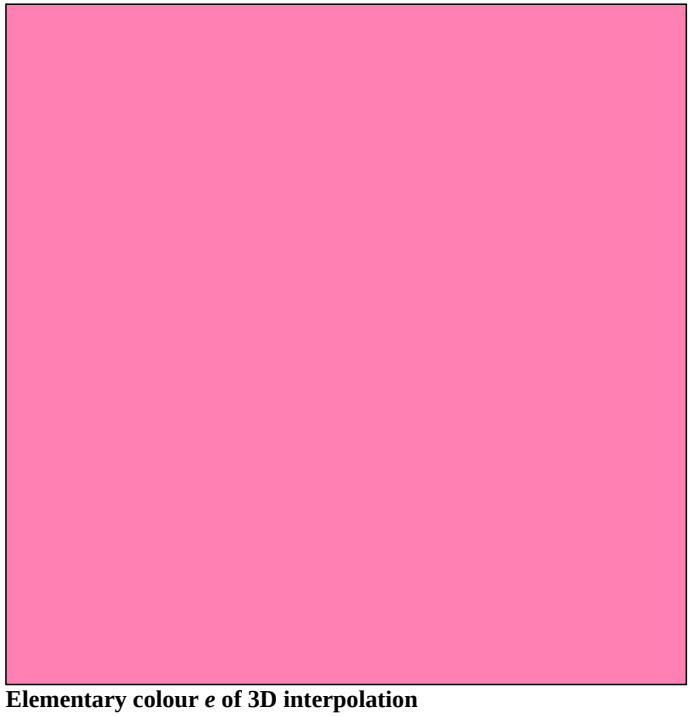
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.625	1.0	0.375	0.652	1.0	0.502	0.698
$rgb^*_{Fa,\ 8bit}$	255	96	159	255	96	166	255	128	178
L^*, C^*_{ab}, h_{ab}	62.9	55.6	0.0	69.2	48.1	3.3	71.1	52.2	7.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.3	10.3	3D−it:	5.8	5.8

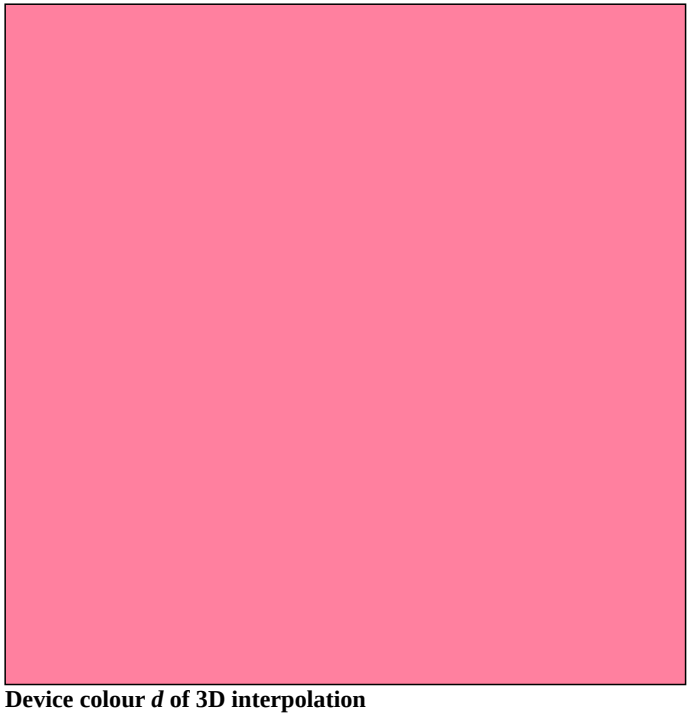
3 Colours no. *j*=680

output of the device colour *d*:

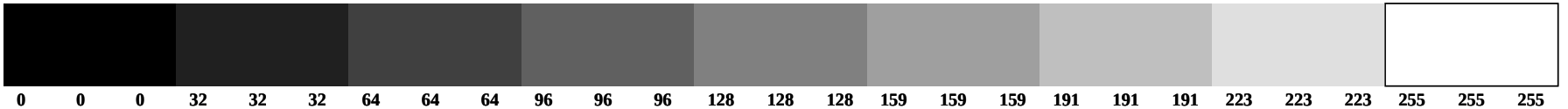
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.625	1.0	0.375	0.542	1.0	0.5	0.625
$olv^*_{Fa,\ 8bit}$	255	96	159	255	96	138	255	128	159
L^*, C^*_{ab}, h_{ab}	62.9	55.6	0.0	68.8	48.6	10.3	70.4	52.6	11.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.0	13.0	3D−in:	13.6	13.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
681	1.0	0.375	0.75	353.4	54.3	80.7	350.8	79.6	−12.8	69.7	50.4	350.8	49.8	−8.0	0.0	0.625	b69r	m38o		1.0	0.0	0.624	1.0	0.375	0.765
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
681	1.0	0.375	0.75	353.4	53.9	78.5	354.6	78.2	−7.4	69.5	49.1	354.6	48.9	−4.6	0.0	0.625	b72r	m39o		1.0	0.0	0.544	1.0	0.375	0.715

3 Colours no. *j*=681

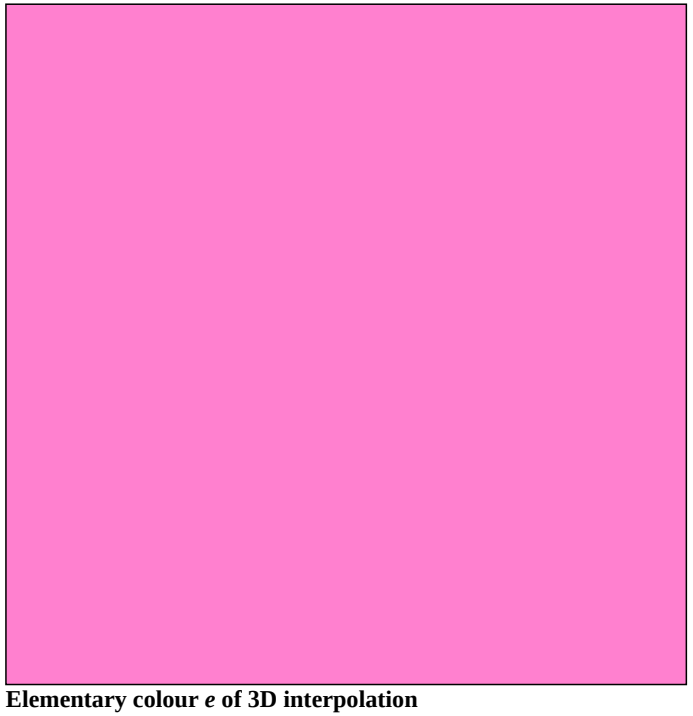
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.75	1.0	0.375	0.765	1.0	0.502	0.813
$rgb^*_{Fa,\ 8bit}$	255	96	191	255	96	195	255	128	207
L^*, C^*_{ab}, h_{ab}	63.4	59.3	349.2	69.7	50.4	350.8	71.6	52.9	355.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−it:	5.1	5.1	

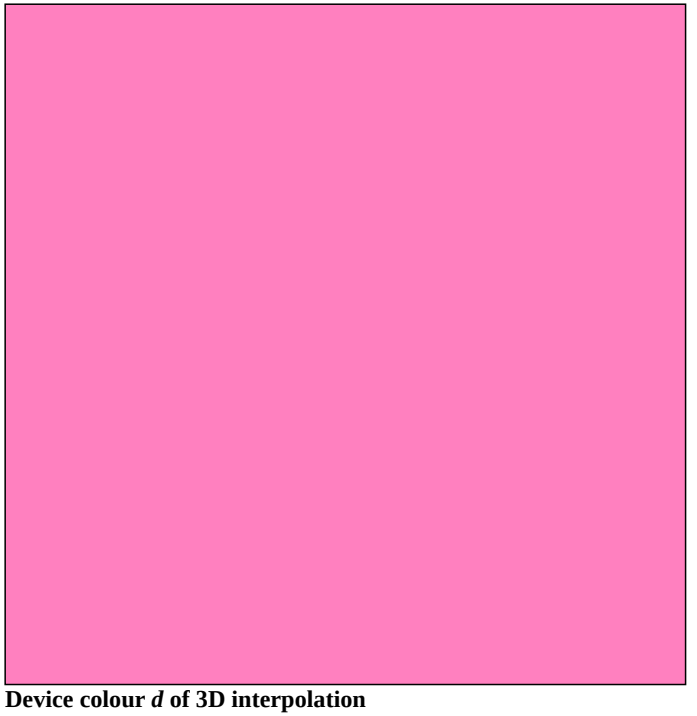
3 Colours no. *j*=681

output of the device colour *d*:

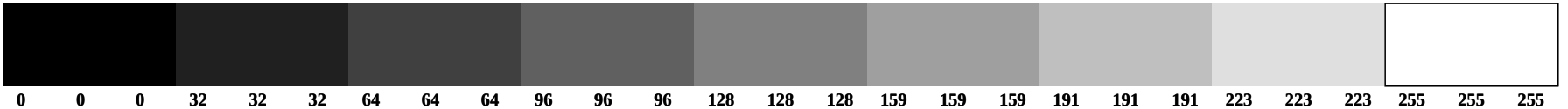
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.75	1.0	0.375	0.715	1.0	0.5	0.75
$olv^*_{Fa,\ 8bit}$	255	96	191	255	96	182	255	128	191
L^*, C^*_{ab}, h_{ab}	63.4	59.3	349.2	69.5	49.1	354.6	71.2	51.1	355.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−in:	12.6	12.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
682	1.0	0.375	0.875	340.9	55.6	90.1	338.9	84.1	−32.3	70.5	56.3	338.9	52.5	−20.1	0.0	0.625	b59r	m16o		1.0	0.0	0.836	1.0	0.375	0.898
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
682	1.0	0.375	0.875	340.9	55.4	88.4	339.6	82.9	−30.7	70.4	55.3	339.6	51.8	−19.1	0.0	0.625	b59r	m18o		1.0	0.0	0.806	1.0	0.375	0.879

3 Colours no. *j*=682

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.875	1.0	0.375	0.898	1.0	0.521	0.907
$rgb^*_{Fa,\ 8bit}$	255	96	223	255	96	229	255	133	231
L^*, C^*_{ab}, h_{ab}	64.2	65.7	339.2	70.5	56.3	338.9	72.6	57.3	343.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.3	11.3	3D−it:	4.8	4.8

3 Colours no. *j*=682

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.875	1.0	0.375	0.879	1.0	0.522	0.902
$olv^*_{Fa,\ 8bit}$	255	96	223	255	96	224	255	133	230
L^*, C^*_{ab}, h_{ab}	64.2	65.7	339.2	70.4	55.3	339.6	72.3	56.0	342.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.1	12.1	3D−in:	13.2	13.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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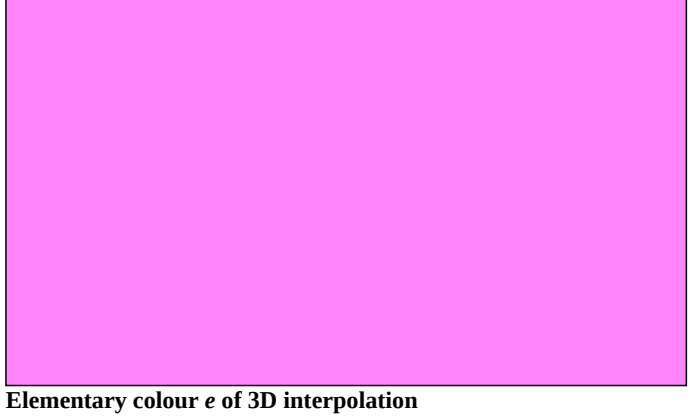
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
683	1.0	0.375	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	72.0	65.8	328.6	56.2	−34.2	0.0	0.625	b50r	m02o		1.0	0.0	0.976	1.0	0.375	0.985
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
683	1.0	0.375	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	71.3	67.9	326.6	56.7	−37.3	0.0	0.625	b47r	m00o		0.965	0.0	1.0	0.978	0.375	1.0

3 Colours no. *j*=683

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.375	1.0	1.0	0.375	0.985	1.0	0.529	0.985
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	96	255	255	96	251	255	135	251
L^*, C^*_{ab}, h_{ab}	66.2	82.9	325.5	72.0	65.8	328.6	73.6	63.9	333.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.5	18.5	3D−it:	6.3	6.3	

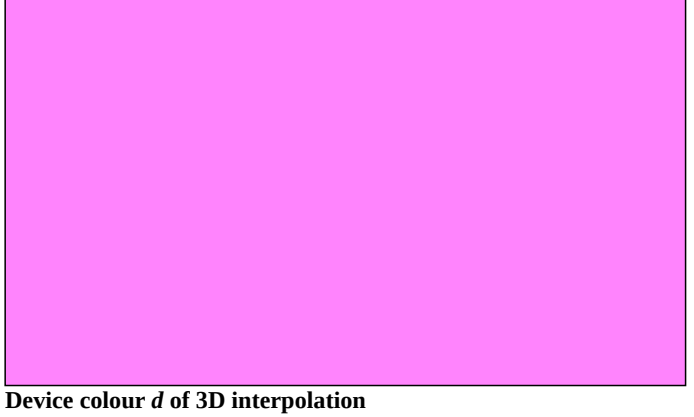


Elementary colour *e* of 3D interpolation

3 Colours no. *j*=683

output of the device colour *d*:

rgb input (in):									
	1.0	0.375	1.0	0.978	0.375	1.0	1.0	0.518	0.994
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	255	96	255	249	96	255	255	132	254
L^*, C^*_{ab}, h_{ab}	66.2	82.9	325.5	71.3	67.9	326.6	72.4	66.9	329.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.9	15.9	3D−in:	17.8	17.8	



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
684	1.0	0.5	0.0	60.0	63.5	79.7	58.9	41.2	68.2	63.5	79.7	58.9	41.2	68.2	0.0	1.0	r49j	o43y		1.0	0.434	0.0	1.0	0.434	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
684	1.0	0.5	0.0	60.0	72.5	80.1	70.0	27.4	75.3	72.5	80.1	70.0	27.4	75.3	0.0	1.0	r66j	o50y		1.0	0.666	0.0	1.0	0.666	0.0

3 Colours no. *j*=684

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.0	1.0	0.434	0.0	1.0	0.435	0.0
$rgb^*_{Fa,\ 8bit}$	255	128	0	255	111	0	255	111	0
L^*, C^*_{ab}, h_{ab}	65.9	78.8	63.6	63.5	79.7	58.9	65.9	84.9	56.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−it:	7.0	7.0	

3 Colours no. *j*=684

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.0	1.0	0.666	0.0	1.0	0.625	0.0
$olv^*_{Fa,\ 8bit}$	255	128	0	255	170	0	255	159	0
L^*, C^*_{ab}, h_{ab}	65.9	78.8	63.6	72.5	80.1	70.0	74.3	81.7	67.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	10.5	10.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
685	1.0	0.5	0.125	55.3	60.8	81.0	53.6	48.0	65.2	65.1	70.9	53.6	42.0	57.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
685	1.0	0.5	0.125	55.3	69.4	79.0	65.0	33.4	71.6	72.7	69.2	65.0	29.2	62.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	r42j	o36y		1.0	0.358	0.0	1.0	0.438	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	r59j	o42y		1.0	0.591	0.0	1.0	0.642	0.125

3 Colours no. *j*=685

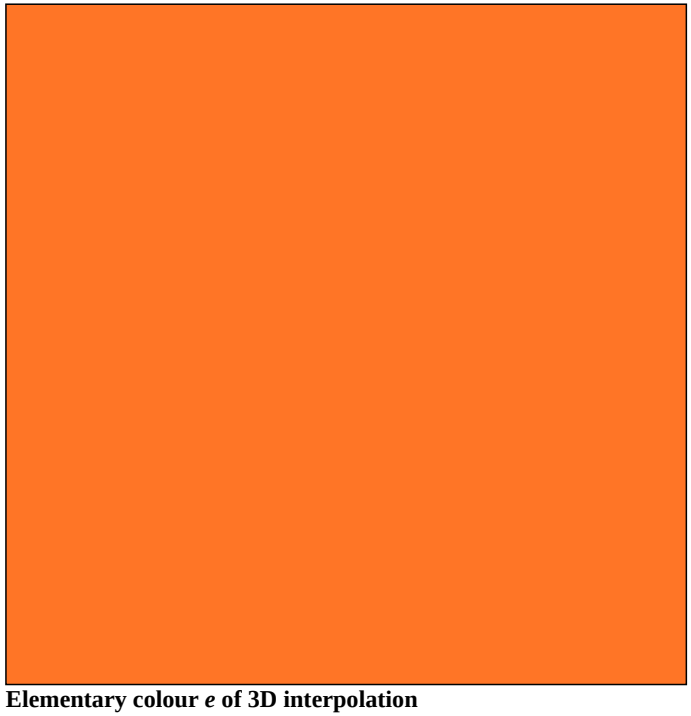
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.125	1.0	0.438	0.125	1.0	0.458	0.15
$rgb^*_{Fa,\ 8bit}$	255	128	32	255	112	32	255	117	38
L^*, C^*_{ab}, h_{ab}	66.0	70.9	59.7	65.1	70.9	53.6	66.0	78.0	51.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.6	7.6	3D−it:	7.6	7.6

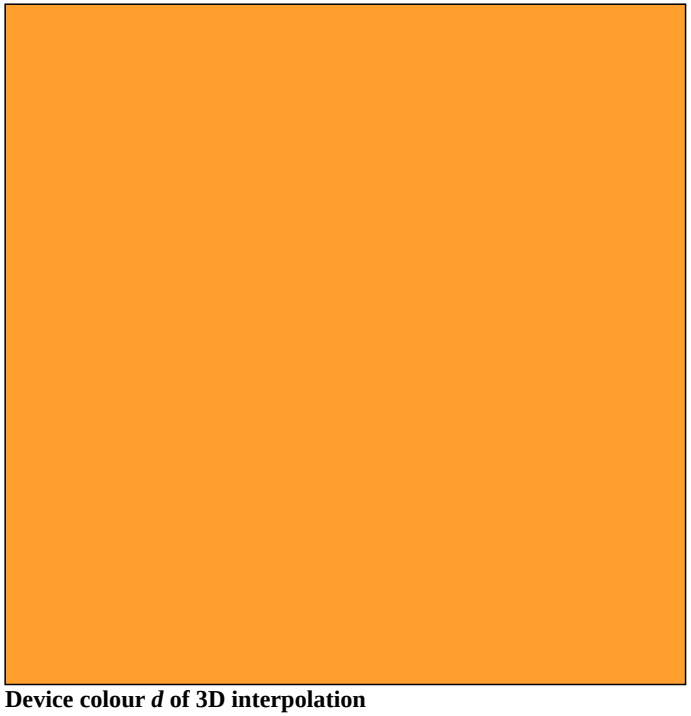
3 Colours no. *j*=685

output of the device colour *d*:

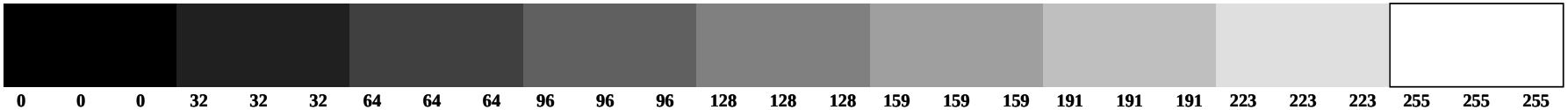
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.125	1.0	0.642	0.125	1.0	0.624	0.178
$olv^*_{Fa,\ 8bit}$	255	128	32	255	164	32	255	159	45
L^*, C^*_{ab}, h_{ab}	66.0	70.9	59.7	72.7	69.2	65.0	74.5	75.0	63.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.4	9.4	3D−in:	10.3	10.3



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
686	1.0	0.5	0.25	49.1	57.2	84.2	46.8	57.7	61.3	66.7	63.1	46.8	43.2	46.0	0.0	0.75	r32j	o25y		1.0	0.246	0.0	1.0	0.434	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
686	1.0	0.5	0.25	49.1	65.7	78.9	58.4	41.3	67.2	73.1	59.1	58.4	31.0	50.4	0.0	0.75	r49j	o32y		1.0	0.493	0.0	1.0	0.62	0.25

3 Colours no. *j*=686

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.5	0.25	1.0	0.434	0.25	1.0	0.48	0.246
rgb^*_{Fa}	255	128	64	255	111	64	255	122	63
L^*, C^*_{ab}, h_{ab}	66.3	58.1	49.7	66.7	63.1	46.8	67.2	68.3	44.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	6.0	6.0	

3 Colours no. *j*=686

output of the device colour *d*:

rgb input (in):									
	1.0	0.5	0.25	1.0	0.62	0.25	1.0	0.625	0.25
olv^*_{Fa}	255	128	64	255	158	64	255	159	64
$olv^*_{Fa,\ 8bit}$	66.3	58.1	49.7	73.1	59.1	58.4	75.2	62.0	54.8
L^*, C^*_{ab}, h_{ab}			it−in:	11.3	11.3	3D−in:	11.0	11.0	
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$									

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
687	1.0	0.5	0.375	40.9	52.4	90.1	37.6	71.4	55.0	68.5	56.3	37.6	44.6	34.4	0.0	0.625	r18j	m99o		1.0	0.0	0.012	1.0	0.375	0.382
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
687	1.0	0.5	0.375	40.9	61.0	80.8	49.7	52.2	61.7	73.9	50.5	49.7	32.6	38.5	0.0	0.625	r36j	o18y		1.0	0.363	0.0	1.0	0.602	0.375

3 Colours no. *j*=687

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.375	1.0	0.375	0.382	1.0	0.502	0.371
$rgb^*_{Fa,\ 8bit}$	255	128	96	255	96	97	255	128	95
L^*, C^*_{ab}, h_{ab}	66.6	50.0	37.7	68.5	56.3	37.6	70.5	62.6	37.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.6	6.6	3D−it:	6.6	6.6

3 Colours no. *j*=687

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.375	1.0	0.602	0.375	1.0	0.625	0.375
$olv^*_{Fa,\ 8bit}$	255	128	96	255	153	96	255	159	96
L^*, C^*_{ab}, h_{ab}	66.6	50.0	37.7	73.9	50.5	49.7	76.5	54.4	46.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.8	12.8	3D−in:	13.7	13.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
688	1.0	0.5	0.5	30.0	52.7	81.3	25.5	73.4	35.0	74.0	40.7	25.5	36.7	17.5	0.0	0.5	b99r	m81o		1.0	0.0	0.189	1.0	0.5	0.594
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
688	1.0	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	75.5	43.1	38.2	33.9	26.6	0.0	0.5	r19j	m100o		1.0	0.19	0.0	1.0	0.595	0.5

3 Colours no. *j*=688

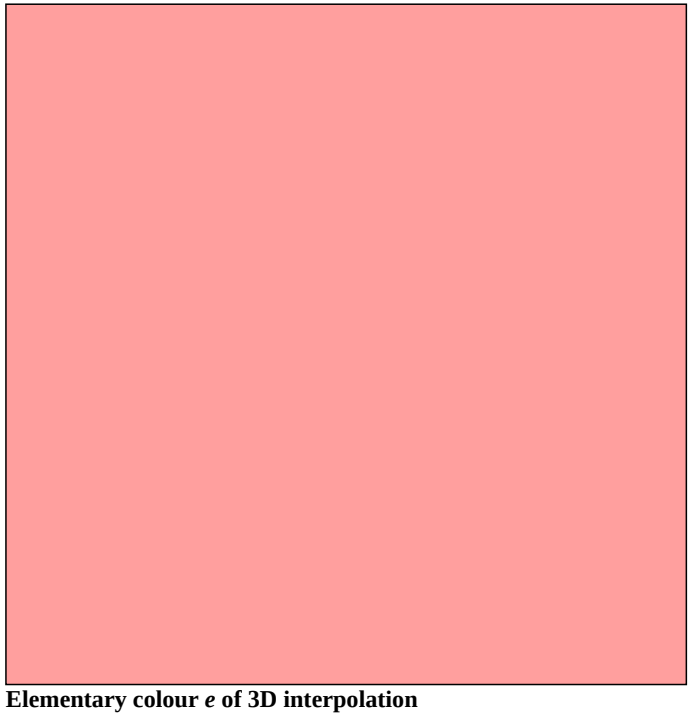
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.5	1.0	0.5	0.594	1.0	0.624	0.619
$rgb^*_{Fa,\ 8bit}$	255	128	128	255	128	152	255	159	158
L^*, C^*_{ab}, h_{ab}	66.9	45.5	23.4	74.0	40.7	25.5	76.1	45.8	27.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.8	8.8	3D−it:	5.8	5.8

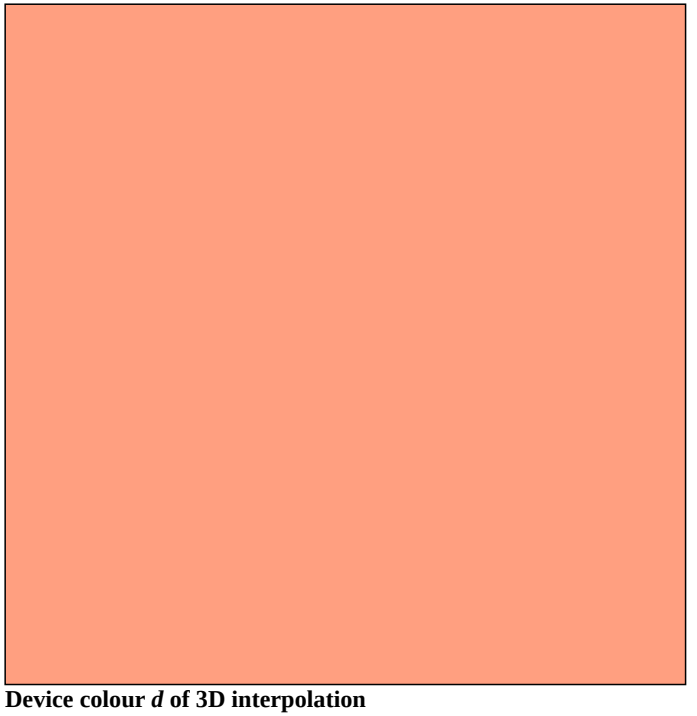
3 Colours no. *j*=688

output of the device colour *d*:

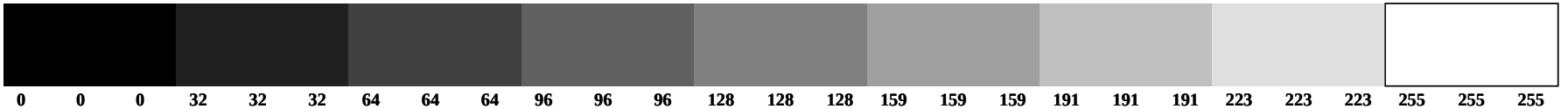
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.5	1.0	0.595	0.5	1.0	0.625	0.5
$olv^*_{Fa,\ 8bit}$	255	128	128	255	152	128	255	159	128
L^*, C^*_{ab}, h_{ab}	66.9	45.5	23.4	75.5	43.1	38.2	79.4	46.8	37.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.5	14.5	3D−in:	16.8	16.8



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
689	1.0	0.5	0.625	16.1	53.1	76.9	12.3	75.2	16.4	74.3	38.5	12.3	37.6	8.2	0.0	0.5	b88r	m67o		1.0	0.0	0.332	1.0	0.5	0.666
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
689	1.0	0.5	0.625	16.1	52.5	87.4	21.6	81.3	32.2	73.9	43.7	21.6	40.6	16.1	0.0	0.5	b96r	m77o		1.0	0.0	0.068	1.0	0.5	0.534

3 Colours no. *j*=689

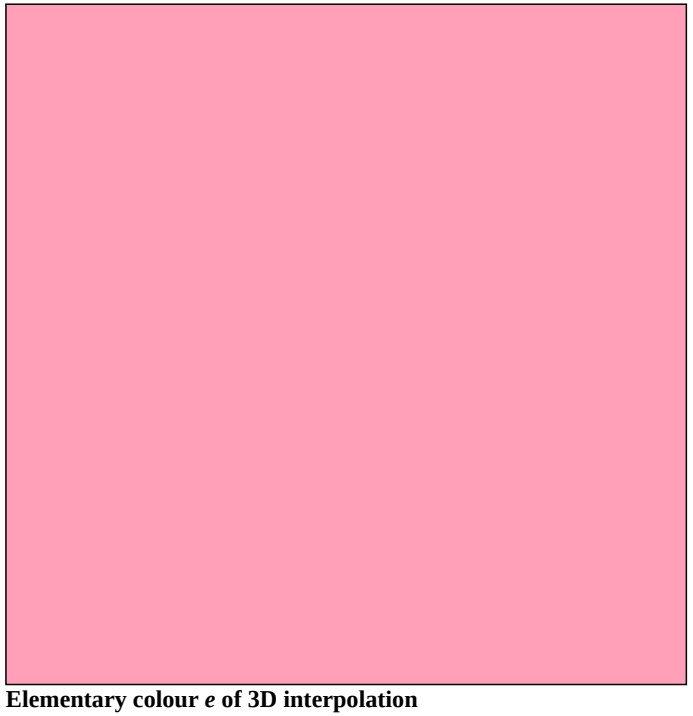
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.625	1.0	0.5	0.666	1.0	0.624	0.721
$rgb^*_{Fa,\ 8bit}$	255	128	159	255	128	170	255	159	184
L^*, C^*_{ab}, h_{ab}	67.3	44.7	8.7	74.3	38.5	12.3	76.1	41.9	19.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.7	9.7	3D−it:	6.2	6.2

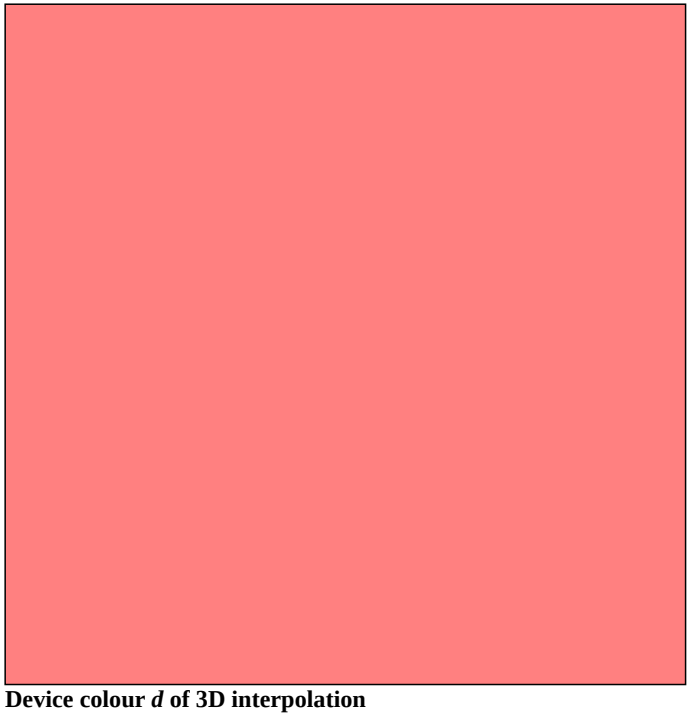
3 Colours no. *j*=689

output of the device colour *d*:

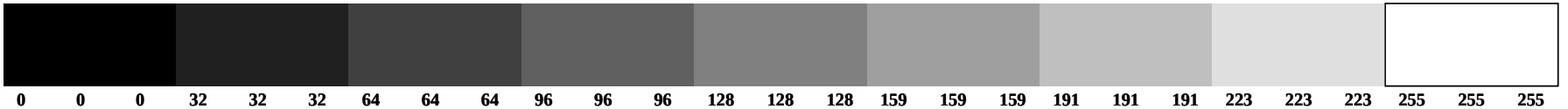
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.625	1.0	0.5	0.534	1.0	0.5	0.5
$olv^*_{Fa,\ 8bit}$	255	128	159	255	128	136	255	128	128
L^*, C^*_{ab}, h_{ab}	67.3	44.7	8.7	73.9	43.7	21.6	80.9	45.5	23.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.0	12.0	3D−in:	17.9	17.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
690	1.0	0.5	0.75	360.0	53.9	78.2	357.0	78.1	−3.9	74.6	39.1	357.0	39.0	−1.9	0.0	0.5	b75r	m47o		1.0	0.0	0.529	1.0	0.5	0.764
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
690	1.0	0.5	0.75	360.0	53.4	76.6	2.4	76.5	3.2	74.4	38.3	2.4	38.3	1.6	0.0	0.5	b79r	m50o		1.0	0.0	0.406	1.0	0.5	0.703

3 Colours no. *j*=690

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.75	1.0	0.5	0.764	1.0	0.624	0.828
$rgb^*_{Fa,\ 8bit}$	255	128	191	255	128	195	255	159	211
L^*, C^*_{ab}, h_{ab}	67.8	47.1	354.6	74.6	39.1	357.0	76.9	42.6	3.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.7	10.7	3D−it:	6.2	6.2

3 Colours no. *j*=690

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.75	1.0	0.5	0.703	1.0	0.625	0.75
$olv^*_{Fa,\ 8bit}$	255	128	191	255	128	179	255	159	191
L^*, C^*_{ab}, h_{ab}	67.8	47.1	354.6	74.4	38.3	2.4	76.4	41.0	3.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.4	12.4	3D−in:	12.6	12.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
691	1.0	0.5	0.875	343.9	55.2	87.2	341.8	82.9	−27.2	75.3	43.6	341.8	41.4	−13.5	0.0	0.5	b61r	m22o		1.0	0.0	0.784	1.0	0.5	0.892
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
691	1.0	0.5	0.875	343.9	54.9	85.1	343.2	81.5	−24.5	75.2	42.6	343.2	40.8	−12.2	0.0	0.5	b63r	m23o		1.0	0.0	0.743	1.0	0.5	0.872

3 Colours no. *j*=691

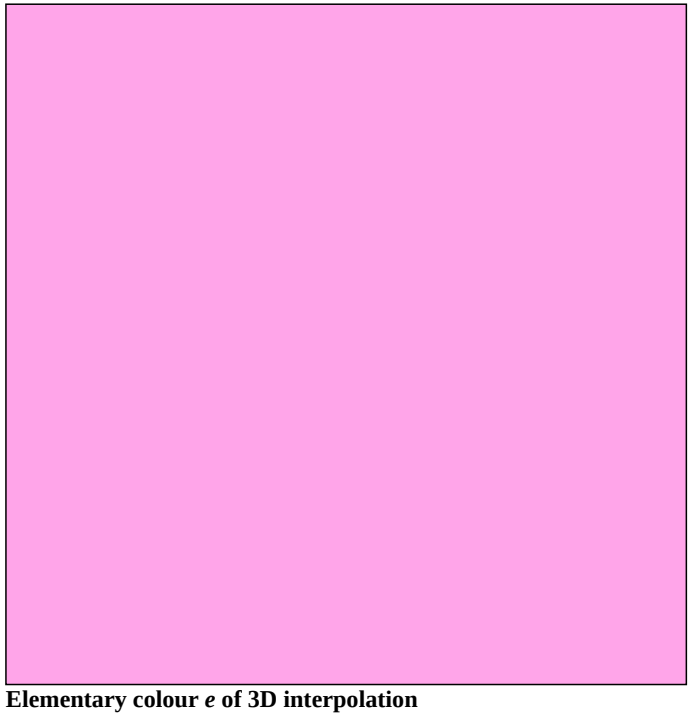
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.875	1.0	0.5	0.892	1.0	0.646	0.912
$rgb^*_{Fa,\ 8bit}$	255	128	223	255	128	227	255	165	232
L^*, C^*_{ab}, h_{ab}	68.5	52.9	341.7	75.3	43.6	341.8	77.6	45.0	347.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.5	11.5	3D−it:	5.4	5.4

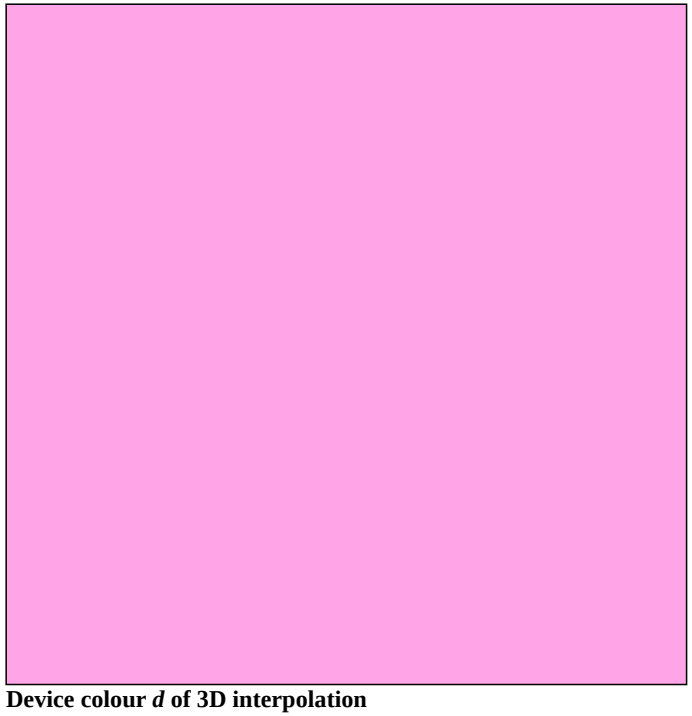
3 Colours no. *j*=691

output of the device colour *d*:

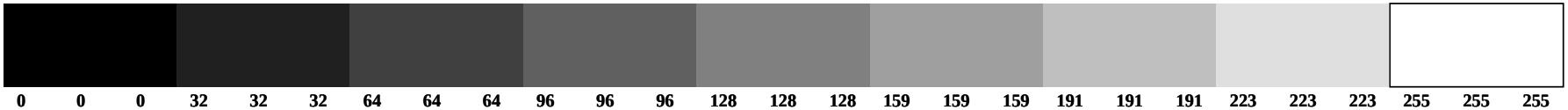
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.875	1.0	0.5	0.872	1.0	0.646	0.904
$olv^*_{Fa,\ 8bit}$	255	128	223	255	128	222	255	165	231
L^*, C^*_{ab}, h_{ab}	68.5	52.9	341.7	75.2	42.6	343.2	77.3	43.7	347.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.3	12.3	3D−in:	13.6	13.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
692	1.0	0.5	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	76.7	52.6	328.6	44.9	−27.3	0.0	0.5	b50r	m02o		1.0	0.0	0.976	1.0	0.5	0.988
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
692	1.0	0.5	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	76.1	54.3	326.6	45.4	−29.8	0.0	0.5	b47r	m00o		0.965	0.0	1.0	0.983	0.5	1.0

3 Colours no. *j*=692

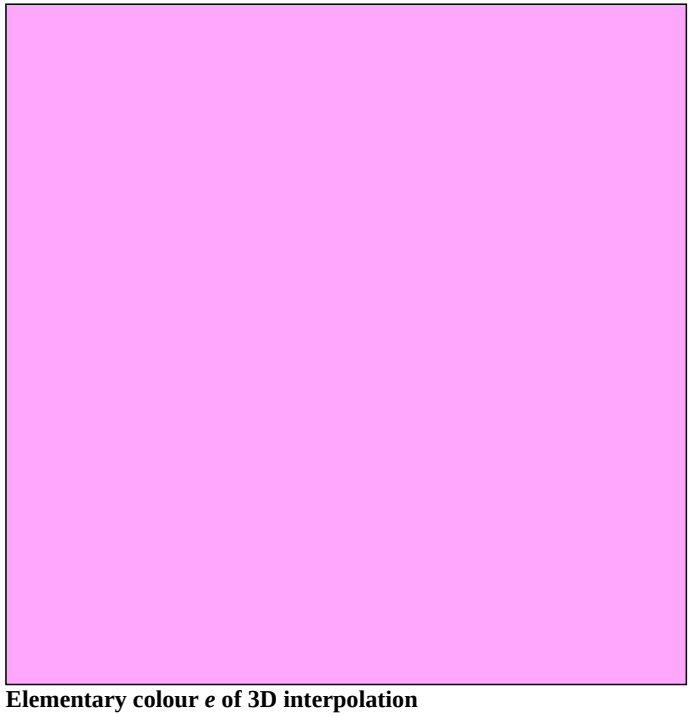
output of the elementary colour *e*:

rgb input (in):									
	1.0	0.5	1.0	1.0	0.5	0.988	1.0	0.655	0.988
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	128	255	255	128	252	255	167	252
L^*, C^*_{ab}, h_{ab}	70.3	70.0	324.9	76.7	52.6	328.6	78.7	51.0	334.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.9	18.9	3D−it:	6.3	6.3	

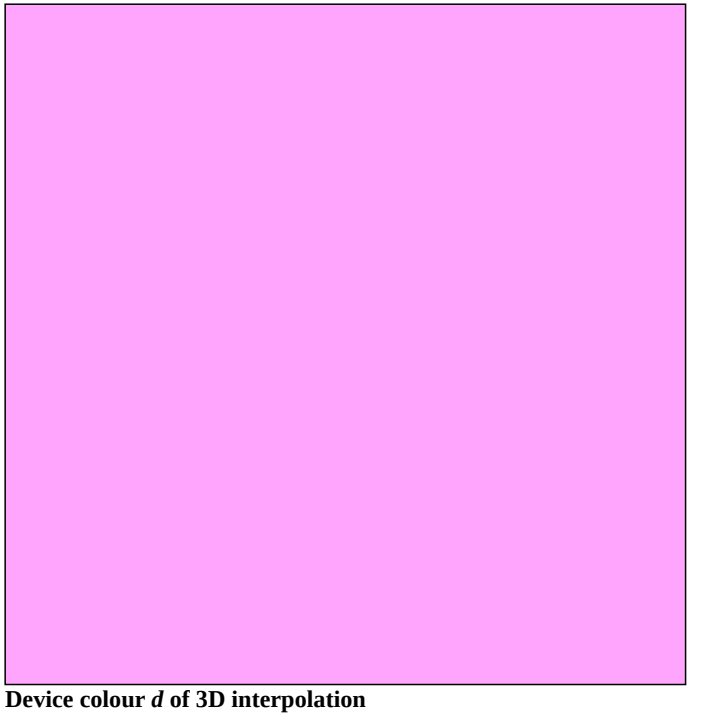
3 Colours no. *j*=692

output of the device colour *d*:

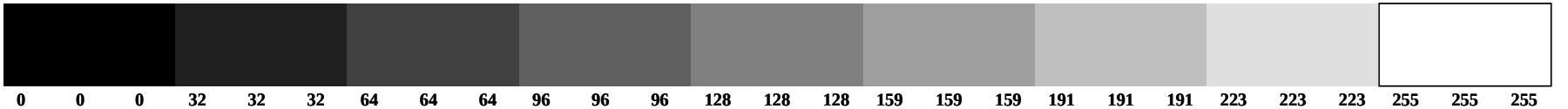
rgb input (in):									
	1.0	0.5	1.0	0.983	0.5	1.0	1.0	0.647	0.996
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	255	128	255	251	128	255	255	165	254
L^*, C^*_{ab}, h_{ab}	70.3	70.0	324.9	76.1	54.3	326.6	77.6	53.3	330.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.9	16.9	3D−in:	19.1	19.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
693	1.0	0.625	0.0	68.2	68.3	78.9	68.0	29.5	73.2	68.3	78.9	68.0	29.5	73.2	0.0	1.0	r63j	o56y		1.0	0.562	0.0	1.0	0.562	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
693	1.0	0.625	0.0	68.2	78.7	84.7	78.7	16.6	83.0	78.7	84.7	78.7	16.6	83.0	0.0	1.0	r79j	o64y		1.0	0.796	0.0	1.0	0.796	0.0

3 Colours no. *j*=693

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.0	1.0	0.562	0.0	1.0	0.562	0.0
$rgb^*_{Fa,\ 8bit}$	255	159	0	255	143	0	255	143	0
L^*, C^*_{ab}, h_{ab}	70.7	79.1	72.6	68.3	78.9	68.0	70.8	86.8	66.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−it:	8.5	8.5	

3 Colours no. *j*=693

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.0	1.0	0.796	0.0	1.0	0.75	0.0
$olv^*_{Fa,\ 8bit}$	255	159	0	255	203	0	255	191	0
L^*, C^*_{ab}, h_{ab}	70.7	79.1	72.6	78.7	84.7	78.7	81.2	87.4	75.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−in:	14.0	14.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
694	1.0	0.625	0.125	64.7	66.2	78.8	64.1	34.4	70.9	69.9	68.9	64.1	30.1	62.0	0.0	0.875	r57j	o51y		1.0	0.508	0.0	1.0	0.569	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
694	1.0	0.625	0.125	64.7	75.8	82.0	75.0	21.2	79.2	78.3	71.7	75.0	18.6	69.3	0.0	0.875	r73j	o58y		1.0	0.741	0.0	1.0	0.773	0.125

3 Colours no. *j*=694

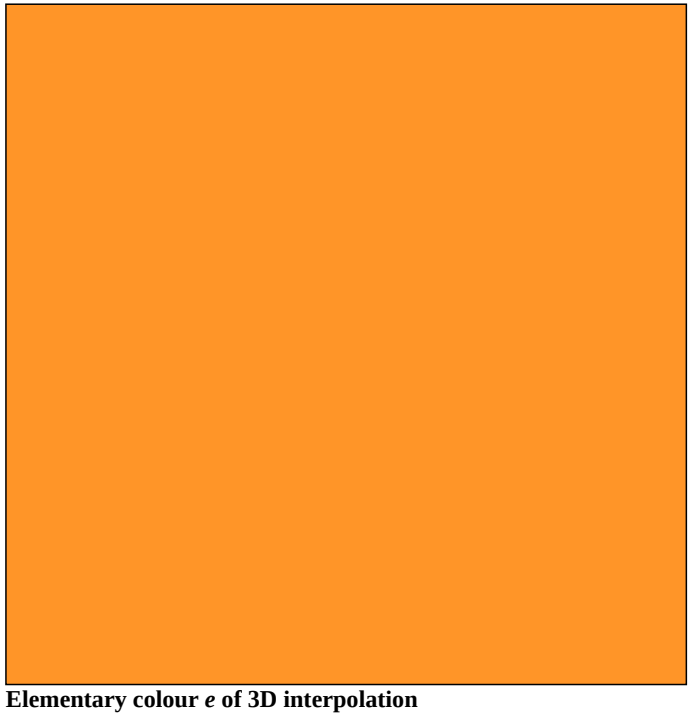
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.125	1.0	0.569	0.125	1.0	0.585	0.155
$rgb^*_{Fa,\ 8bit}$	255	159	32	255	145	32	255	149	39
L^*, C^*_{ab}, h_{ab}	70.8	71.2	69.9	69.9	68.9	64.1	70.8	75.8	61.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−it:	7.5	7.5	

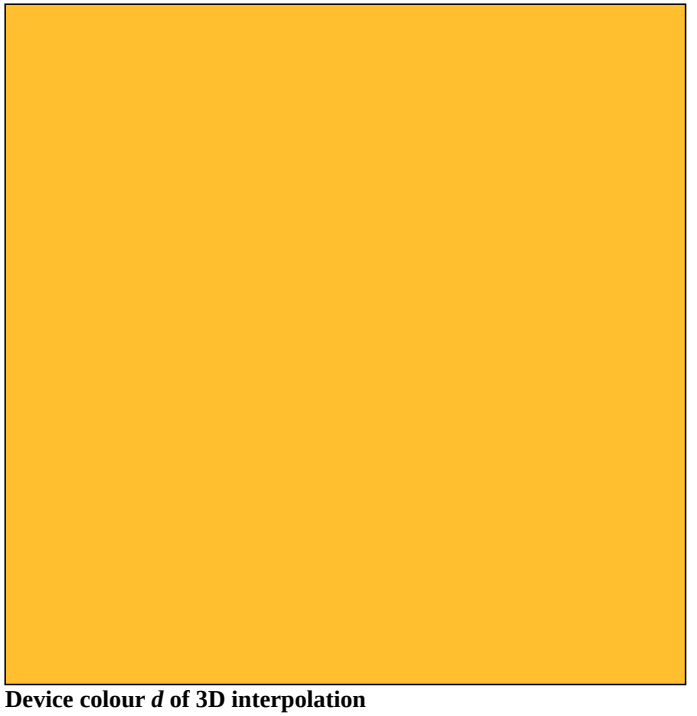
3 Colours no. *j*=694

output of the device colour *d*:

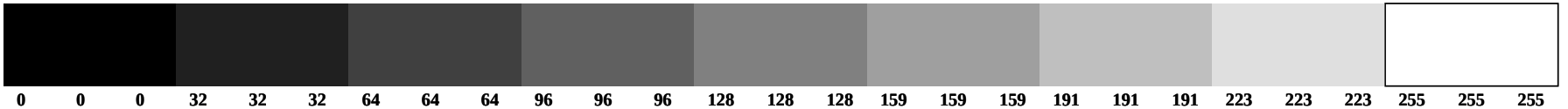
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.125	1.0	0.773	0.125	1.0	0.749	0.181
$olv^*_{Fa,\ 8bit}$	255	159	32	255	197	32	255	191	46
L^*, C^*_{ab}, h_{ab}	70.8	71.2	69.9	78.3	71.7	75.0	80.2	77.5	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−in:	11.5	11.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
695	1.0	0.625	0.25	60.0	63.5	79.7	58.9	41.2	68.2	71.5	59.8	58.9	30.9	51.2	0.0	0.75	r49j	o43y		1.0	0.434	0.0	1.0	0.575	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
695	1.0	0.625	0.25	60.0	72.5	80.1	70.0	27.4	75.3	78.2	60.1	70.0	20.6	56.5	0.0	0.75	r66j	o50y		1.0	0.666	0.0	1.0	0.75	0.25

3 Colours no. *j*=695

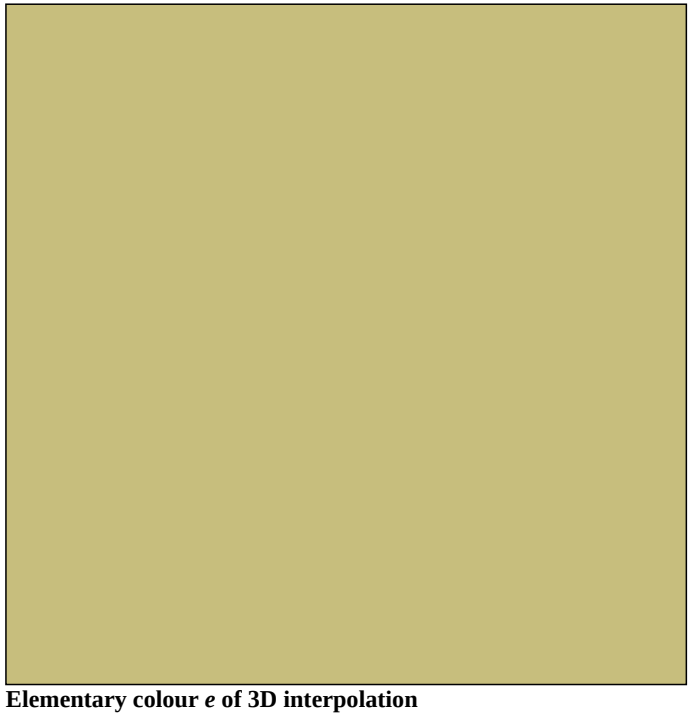
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.25	1.0	0.575	0.25	0.781	0.746	0.489
$rgb^*_{Fa,\ 8bit}$	255	159	64	255	147	64	199	190	125
L^*, C^*_{ab}, h_{ab}	71.0	57.0	62.7	71.5	59.8	58.9	71.9	62.7	55.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−it:	4.8	4.8	

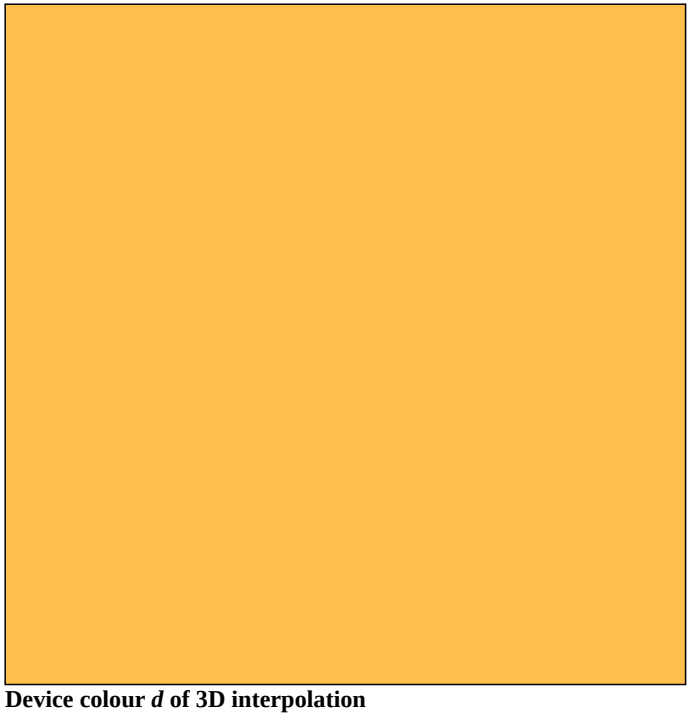
3 Colours no. *j*=695

output of the device colour *d*:

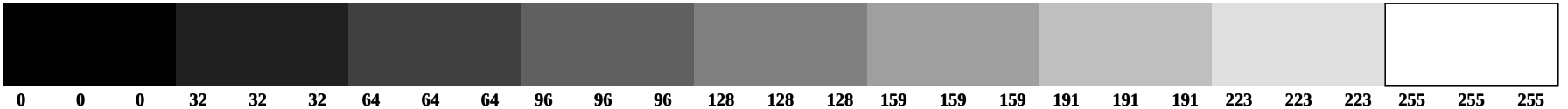
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.25	1.0	0.75	0.25	1.0	0.749	0.289
$olv^*_{Fa,\ 8bit}$	255	159	64	255	191	64	255	191	74
L^*, C^*_{ab}, h_{ab}	71.0	57.0	62.7	78.2	60.1	70.0	80.0	64.0	64.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	11.6	11.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
696	1.0	0.625	0.375	53.4	59.7	81.9	51.5	50.9	64.2	73.1	51.2	51.5	31.8	40.1	0.0	0.625	r39j	o32y		1.0	0.324	0.0	1.0	0.577	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
696	1.0	0.625	0.375	53.4	68.3	78.9	63.0	35.8	70.3	78.5	49.3	63.0	22.4	44.0	0.0	0.625	r56j	o39y		1.0	0.562	0.0	1.0	0.726	0.375

3 Colours no. *j*=696

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.375	1.0	0.577	0.375	1.0	0.625	0.375
$rgb^*_{Fa,\ 8bit}$	255	159	96	255	147	96	255	159	96
L^*, C^*_{ab}, h_{ab}	71.3	46.8	53.0	73.1	51.2	51.5	74.9	55.7	50.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−it:	4.9	4.9	

3 Colours no. *j*=696

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.375	1.0	0.726	0.375	1.0	0.749	0.412
$olv^*_{Fa,\ 8bit}$	255	159	96	255	185	96	255	191	105
L^*, C^*_{ab}, h_{ab}	71.3	46.8	53.0	78.5	49.3	63.0	80.1	53.5	57.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−in:	11.7	11.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
697	1.0	0.625	0.5	43.9	54.0	88.3	40.9	66.7	57.9	74.7	44.2	40.9	33.4	28.9	0.0	0.5	r23j	o13y		1.0	0.132	0.0	1.0	0.566	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
697	1.0	0.625	0.5	43.9	62.7	80.0	52.9	48.2	63.8	79.0	40.0	52.9	24.1	31.9	0.0	0.5	r41j	o23y		1.0	0.411	0.0	1.0	0.705	0.5

3 Colours no. *j*=697

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.5	1.0	0.566	0.5	1.0	0.625	0.5
$rgb^*_{Fa,\ 8bit}$	255	159	128	255	144	128	255	159	128
L^*, C^*_{ab}, h_{ab}	71.6	39.4	39.2	74.7	44.2	40.9	77.8	49.0	42.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.8	5.8	3D−it:	5.8	5.8	

3 Colours no. *j*=697

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.5	1.0	0.705	0.5	1.0	0.749	0.544
$olv^*_{Fa,\ 8bit}$	255	159	128	255	180	128	255	191	139
L^*, C^*_{ab}, h_{ab}	71.6	39.4	39.2	79.0	40.0	52.9	81.0	44.6	47.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	12.3	12.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
698	1.0	0.625	0.625	30.0	52.7	81.3	25.5	73.4	35.0	79.4	30.5	25.5	27.5	13.1	0.0	0.375	b99r	m81o		1.0	0.0	0.189	1.0	0.625	0.696
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
698	1.0	0.625	0.625	30.0	55.6	86.2	38.2	67.8	53.3	80.5	32.3	38.2	25.4	20.0	0.0	0.375	r19j	m100o		1.0	0.19	0.0	1.0	0.696	0.625

3 Colours no. *j*=698

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.625	1.0	0.625	0.696	1.0	0.75	0.75
$rgb^*_{Fa,\ 8bit}$	255	159	159	255	159	177	255	191	191
L^*, C^*_{ab}, h_{ab}	72.0	35.6	22.7	79.4	30.5	25.5	81.0	35.5	25.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.1	9.1	3D−it:	5.2	5.2

3 Colours no. *j*=698

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.625	1.0	0.696	0.625	1.0	0.75	0.625
$olv^*_{Fa,\ 8bit}$	255	159	159	255	178	159	255	191	159
L^*, C^*_{ab}, h_{ab}	72.0	35.6	22.7	80.5	32.3	38.2	83.6	37.3	35.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.9	12.9	3D−in:	14.3	14.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
699	1.0	0.625	0.75	10.9	53.3	76.5	7.4	75.8	9.8	79.6	28.7	7.4	28.4	3.7	0.0	0.375	b83r	m61o		1.0	0.0	0.391	1.0	0.625	0.772
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
699	1.0	0.625	0.75	10.9	52.7	81.9	15.4	79.0	21.8	79.4	30.7	15.4	29.6	8.2	0.0	0.375	b90r	m68o		1.0	0.0	0.177	1.0	0.625	0.691

3 Colours no. *j*=699

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.625	0.75	1.0	0.625	0.772	1.0	0.749	0.847
$rgb^*_{Fa,\ 8bit}$	255	159	191	255	159	197	255	191	216
L^*, C^*_{ab}, h_{ab}	72.4	35.7	4.3	79.6	28.7	7.4	81.0	31.6	15.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−it:	5.5	5.5	

3 Colours no. *j*=699

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.625	0.75	1.0	0.625	0.691	1.0	0.747	0.8
$olv^*_{Fa,\ 8bit}$	255	159	191	255	159	176	255	191	204
L^*, C^*_{ab}, h_{ab}	72.4	35.7	4.3	79.4	30.7	15.4	81.0	37.7	16.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	11.8	11.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
700	1.0	0.625	0.875	349.1	54.7	83.3	346.7	81.1	−19.0	80.1	31.3	346.7	30.4	−7.1	0.0	0.375	b66r	m30o		1.0	0.0	0.696	1.0	0.625	0.886
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
700	1.0	0.625	0.875	349.1	54.4	81.0	349.4	79.7	−14.8	80.0	30.4	349.4	29.9	−5.5	0.0	0.375	b68r	m32o		1.0	0.0	0.634	1.0	0.625	0.863

3 Colours no. *j*=700

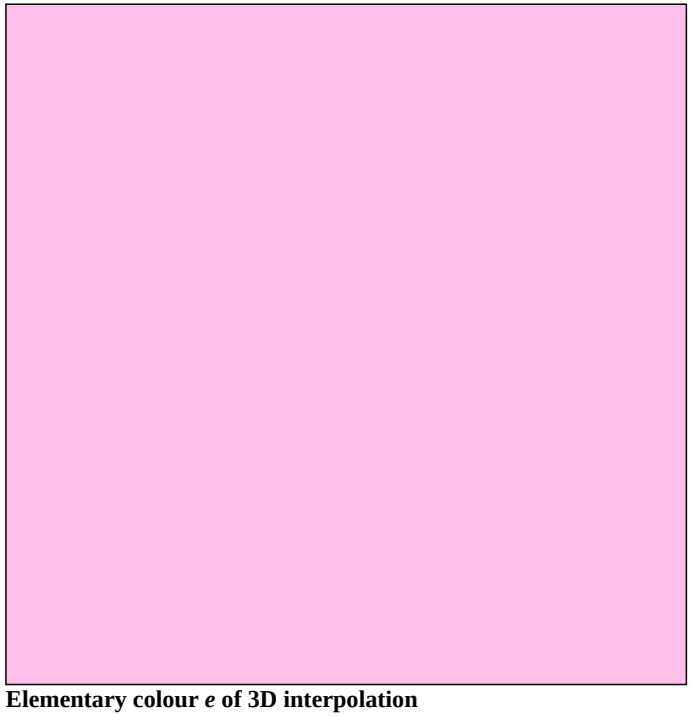
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.875	1.0	0.625	0.886	1.0	0.749	0.917
$rgb^*_{Fa,\ 8bit}$	255	159	223	255	159	226	255	191	234
L^*, C^*_{ab}, h_{ab}	73.0	40.0	346.2	80.1	31.3	346.7	82.0	34.4	357.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.3	11.3	3D−it:	7.4	7.4

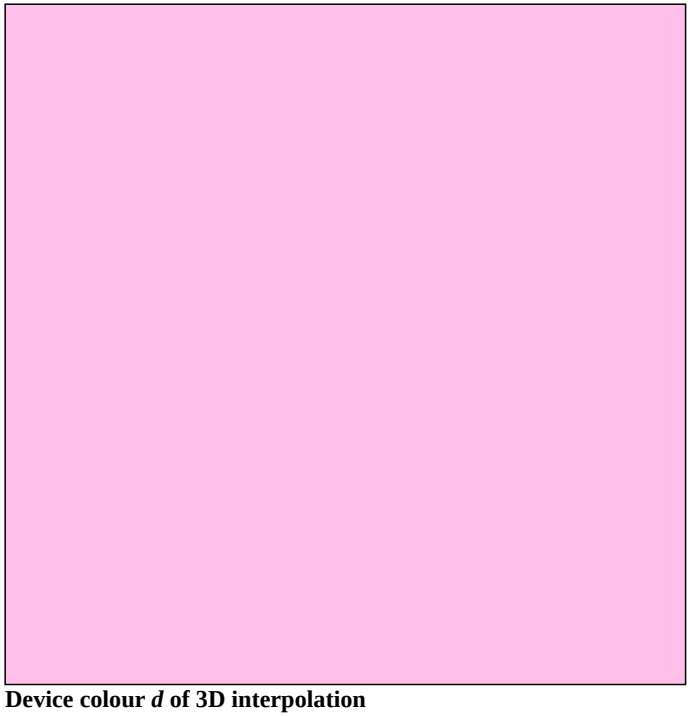
3 Colours no. *j*=700

output of the device colour *d*:

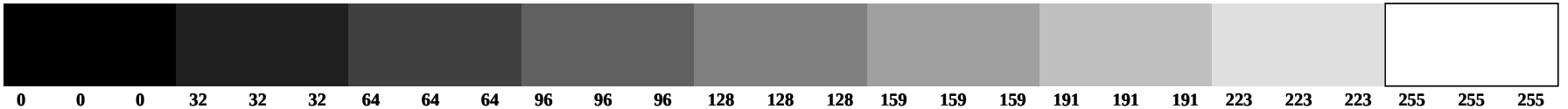
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.875	1.0	0.625	0.863	1.0	0.749	0.909
$olv^*_{Fa,\ 8bit}$	255	159	223	255	159	220	255	191	232
L^*, C^*_{ab}, h_{ab}	73.0	40.0	346.2	80.0	30.4	349.4	81.7	33.3	357.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.0	12.0	3D−in:	13.2	13.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
701	1.0	0.625	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	81.3	39.5	328.6	33.7	−20.5	0.0	0.375	b50r	m02o		1.0	0.0	0.976	1.0	0.625	0.991
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
701	1.0	0.625	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	81.0	40.7	326.6	34.0	−22.3	0.0	0.375	b47r	m00o		0.965	0.0	1.0	0.987	0.625	1.0

3 Colours no. *j*=701

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.625	1.0	1.0	0.625	0.991	1.0	0.768	0.991
$rgb^*_{Fa,\ 8bit}$	255	159	255	255	159	253	255	196	253
L^*, C^*_{ab}, h_{ab}	74.7	56.9	324.3	81.3	39.5	328.6	82.9	37.6	334.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.0	19.0	3D−it:	4.8	4.8	

3 Colours no. *j*=701

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.625	1.0	0.987	0.625	1.0	1.0	0.762	0.997
$olv^*_{Fa,\ 8bit}$	255	159	255	252	159	255	255	194	254
L^*, C^*_{ab}, h_{ab}	74.7	56.9	324.3	81.0	40.7	326.6	82.2	39.4	329.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.5	17.5	3D−in:	19.6	19.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 702/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
702	1.0	0.75	0.0	76.1	73.2	80.5	76.8	18.3	78.4	73.2	80.5	76.8	18.3	78.4	0.0	1.0	r76j	o68y		1.0	0.681	0.0	1.0	0.681	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
702	1.0	0.75	0.0	76.1	86.7	93.7	87.1	4.8	93.6	86.7	93.7	87.1	4.8	93.6	0.0	1.0	r91j	o77y		1.0	0.922	0.0	1.0	0.922	0.0

3 Colours no. *j*=702

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.0	1.0	0.681	0.0	1.0	0.679	0.0
$rgb^*_{Fa,\ 8bit}$	255	191	0	255	174	0	255	173	0
L^*, C^*_{ab}, h_{ab}	76.2	82.2	82.1	73.2	80.5	76.8	76.3	86.9	73.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.2	8.2	3D−it:	8.6	8.6

3 Colours no. *j*=702

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.0	1.0	0.922	0.0	1.0	0.875	0.0
$olv^*_{Fa,\ 8bit}$	255	191	0	255	235	0	255	223	0
L^*, C^*_{ab}, h_{ab}	76.2	82.2	82.1	86.7	93.7	87.1	90.4	99.1	83.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.3	17.3	3D−in:	22.1	22.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
703	1.0	0.75	0.125	73.9	71.7	79.7	74.4	21.5	76.8	74.7	69.7	74.4	18.8	67.2	0.0	0.875	r72j	o65y		1.0	0.648	0.0	1.0	0.692	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
703	1.0	0.75	0.125	73.9	83.9	90.0	84.7	8.3	89.7	85.3	78.8	84.7	7.2	78.4	0.0	0.875	r88j	o73y		1.0	0.887	0.0	1.0	0.901	0.125

3 Colours no. *j*=703

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.125	1.0	0.692	0.125	1.0	0.701	0.16
$rgb^*_{Fa,\ 8bit}$	255	191	32	255	177	32	255	179	41
L^*, C^*_{ab}, h_{ab}	76.3	74.4	80.6	74.7	69.7	74.4	76.3	77.7	70.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−it:	9.2	9.2	

3 Colours no. *j*=703

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.125	1.0	0.901	0.125	1.0	0.875	0.179
$olv^*_{Fa,\ 8bit}$	255	191	32	255	230	32	255	223	46
L^*, C^*_{ab}, h_{ab}	76.3	74.4	80.6	85.3	78.8	84.7	87.6	83.0	78.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.4	11.4	3D−in:	14.4	14.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
704	1.0	0.75	0.25	70.9	69.9	79.1	71.0	25.7	74.8	76.3	59.3	71.0	19.3	56.1	0.0	0.75	r67j	o60y		1.0	0.603	0.0	1.0	0.702	0.25
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
704	1.0	0.75	0.25	70.9	81.0	86.9	81.5	12.8	86.0	84.6	65.2	81.5	9.6	64.5	0.0	0.75	r83j	o68y		1.0	0.839	0.0	1.0	0.879	0.25

3 Colours no. *j*=704

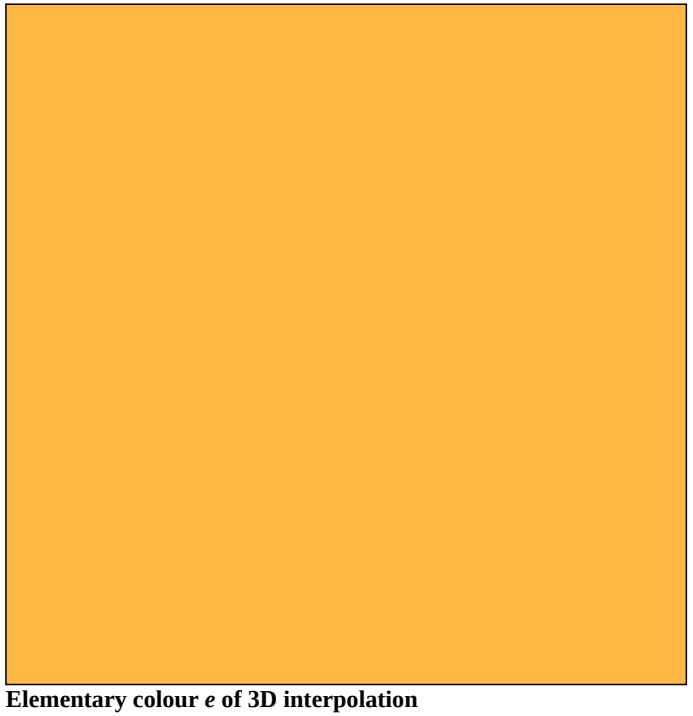
output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.25	1.0	0.702	0.25	1.0	0.725	0.267
$rgb^*_{Fa,\ 8bit}$	255	191	64	255	179	64	255	185	68
L^*, C^*_{ab}, h_{ab}	76.5	59.6	76.5	76.3	59.3	71.0	76.5	63.0	66.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−it:	5.7	5.7	

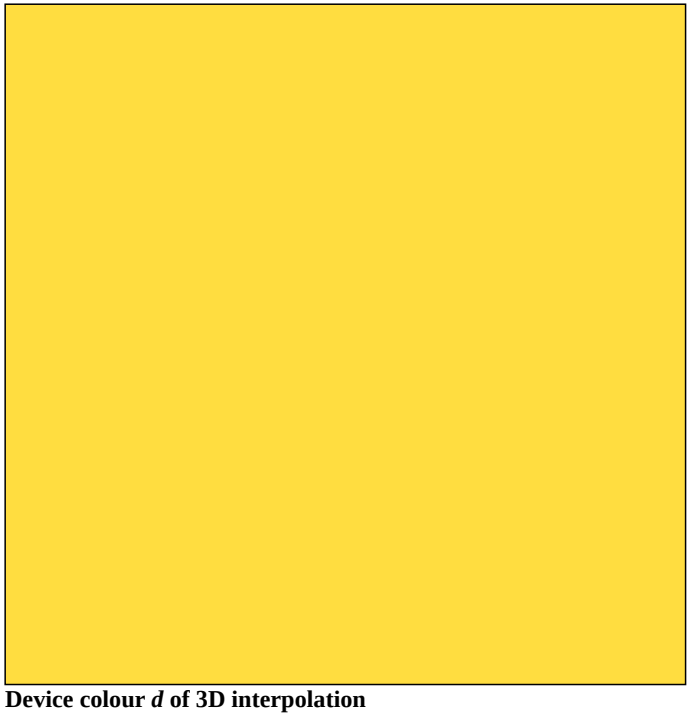
3 Colours no. *j*=704

output of the device colour *d*:

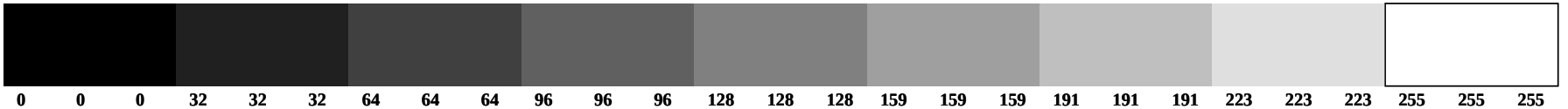
rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.25	1.0	0.879	0.25	1.0	0.866	0.251
$olv^*_{Fa,\ 8bit}$	255	191	64	255	224	64	255	221	64
L^*, C^*_{ab}, h_{ab}	76.5	59.6	76.5	84.6	65.2	81.5	86.0	69.5	74.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	14.0	14.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
705	1.0	0.75	0.375	66.6	67.3	78.9	66.2	31.8	72.2	77.9	49.3	66.2	19.9	45.1	0.0	0.625	r60j	o54y		1.0	0.537	0.0	1.0	0.71	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
705	1.0	0.75	0.375	66.6	77.3	83.3	77.0	18.8	81.2	84.1	52.1	77.0	11.7	50.7	0.0	0.625	r76j	o61y		1.0	0.771	0.0	1.0	0.857	0.375

3 Colours no. *j*=705

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.375	1.0	0.71	0.375	1.0	0.75	0.375
$rgb^*_{Fa,\ 8bit}$	255	191	96	255	181	96	255	191	96
L^*, C^*_{ab}, h_{ab}	76.8	47.7	70.6	77.9	49.3	66.2	78.9	51.2	62.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.2	4.2	

3 Colours no. *j*=705

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.375	1.0	0.857	0.375	1.0	0.869	0.447
$olv^*_{Fa,\ 8bit}$	255	191	96	255	218	96	255	222	114
L^*, C^*_{ab}, h_{ab}	76.8	47.7	70.6	84.1	52.1	77.0	84.6	62.0	71.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−in:	16.4	16.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
706	1.0	0.75	0.5	60.0	63.5	79.7	58.9	41.2	68.2	79.5	39.8	58.9	20.6	34.1	0.0	0.5	r49j	o43y		1.0	0.434	0.0	1.0	0.717	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
706	1.0	0.75	0.5	60.0	72.5	80.1	70.0	27.4	75.3	84.0	40.1	70.0	13.7	37.7	0.0	0.5	r66j	o50y		1.0	0.666	0.0	1.0	0.833	0.5

3 Colours no. *j*=706

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.5	1.0	0.717	0.5	1.0	0.75	0.5
$rgb^*_{Fa,\ 8bit}$	255	191	128	255	183	128	255	191	128
L^*, C^*_{ab}, h_{ab}	77.1	37.5	61.2	79.5	39.8	58.9	81.8	42.2	56.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	3.7	3.7	

3 Colours no. *j*=706

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.5	1.0	0.833	0.5	1.0	0.851	0.56
$olv^*_{Fa,\ 8bit}$	255	191	128	255	212	128	255	217	143
L^*, C^*_{ab}, h_{ab}	77.1	37.5	61.2	84.0	40.1	70.0	84.0	48.5	64.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.5	9.5	3D−in:	13.2	13.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
707	1.0	0.75	0.625	49.1	57.2	84.2	46.7	57.7	61.3	81.1	31.6	46.7	21.6	23.0	0.0	0.375	r32j	o25y		1.0	0.246	0.0	1.0	0.717	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
707	1.0	0.75	0.625	49.1	65.7	78.9	58.4	41.3	67.2	84.3	29.6	58.4	15.5	25.2	0.0	0.375	r49j	o32y		1.0	0.493	0.0	1.0	0.81	0.625

3 Colours no. *j*=707

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.625	1.0	0.717	0.625	1.0	0.75	0.625
$rgb^*_{Fa,\ 8bit}$	255	191	159	255	183	159	255	191	159
L^*, C^*_{ab}, h_{ab}	77.4	29.9	46.7	81.1	31.6	46.7	84.8	33.2	46.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.1	4.1	3D−it:	4.1	4.1	

3 Colours no. *j*=707

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.625	1.0	0.81	0.625	1.0	0.853	0.7
$olv^*_{Fa,\ 8bit}$	255	191	159	255	207	159	255	217	178
L^*, C^*_{ab}, h_{ab}	77.4	29.9	46.7	84.3	29.6	58.4	84.3	36.8	53.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−in:	10.5	10.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
708	1.0	0.75	0.75	30.0	52.7	81.3	25.5	73.4	35.0	84.7	20.3	25.5	18.3	8.7	0.0	0.25	b99r	m81o		1.0	0.0	0.189	1.0	0.75	0.797
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
708	1.0	0.75	0.75	30.0	55.6	86.2	38.2	67.8	53.3	85.5	21.6	38.2	16.9	13.3	0.0	0.25	r19j	m100o		1.0	0.19	0.0	1.0	0.798	0.75

3 Colours no. *j*=708

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.75	1.0	0.75	0.797	1.0	0.855	0.875
$rgb^*_{Fa,\ 8bit}$	255	191	191	255	191	203	255	218	223
L^*, C^*_{ab}, h_{ab}	77.8	25.5	25.1	84.7	20.3	25.5	84.7	25.9	19.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.7	8.7	3D−it:	6.1	6.1

3 Colours no. *j*=708

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.75	1.0	0.798	0.75	1.0	0.867	0.841
$olv^*_{Fa,\ 8bit}$	255	191	191	255	203	191	255	221	214
L^*, C^*_{ab}, h_{ab}	77.8	25.5	25.1	85.5	21.6	38.2	86.2	28.1	39.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.2	10.2	3D−in:	11.1	11.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
709	1.0	0.75	0.875	360.0	53.9	78.2	357.0	78.1	−3.9	85.0	19.5	357.0	19.5	−0.9	0.0	0.25	b74r	m47o		1.0	0.0	0.529	1.0	0.75	0.882
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
709	1.0	0.75	0.875	360.0	53.4	76.6	2.4	76.5	3.2	84.9	19.1	2.4	19.1	0.8	0.0	0.25	b79r	m50o		1.0	0.0	0.406	1.0	0.75	0.851

3 Colours no. *j*=709

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.75	0.875	1.0	0.75	0.882	1.0	0.858	0.924
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	255	191	223	255	191	225	255	219	236
L^*, C^*_{ab}, h_{ab}	78.3	26.5	357.3	85.0	19.5	357.0	91.8	26.5	358.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−it:	9.7	9.7	

3 Colours no. *j*=709

output of the device colour *d*:

rgb input (in):									
	1.0	0.75	0.875	1.0	0.75	0.851	1.0	0.857	0.915
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	255	191	223	255	191	217	255	218	233
L^*, C^*_{ab}, h_{ab}	78.3	26.5	357.3	84.9	19.1	2.4	85.1	27.4	18.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	12.1	12.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
710	1.0	0.75	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	86.0	26.3	328.6	22.5	−13.6	0.0	0.25	b50r	m02o		1.0	0.0	0.976	1.0	0.75	0.994
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
710	1.0	0.75	1.0	330.0	56.9	108.7	326.6	90.8	−59.7	85.8	27.2	326.6	22.7	−14.8	0.0	0.25	b47r	m00o		0.965	0.0	1.0	0.991	0.75	1.0

3 Colours no. *j*=710

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.75	1.0	1.0	0.75	0.994	1.0	0.865	0.994
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	191	255	255	191	253	255	221	253
L^*, C^*_{ab}, h_{ab}	79.8	42.2	323.6	86.0	26.3	328.6	86.0	28.1	333.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.3	17.3	3D−it:	3.0	3.0	

3 Colours no. *j*=710

output of the device colour *d*:

rgb input (in):									
	1.0	0.75	1.0	0.991	0.75	1.0	1.0	0.861	0.998
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	255	191	255	253	191	255	255	220	255
L^*, C^*_{ab}, h_{ab}	79.8	42.2	323.6	85.8	27.2	326.6	86.0	29.7	329.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.3	16.3	3D−in:	14.5	14.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
711	1.0	0.875	0.0	83.4	78.3	84.2	85.0	7.4	83.9	78.3	84.2	85.0	7.4	83.9	0.0	1.0	r88j	o79y		1.0	0.788	0.0	1.0	0.788	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
711	1.0	0.875	0.0	83.4	92.2	102.0	94.8	−8.5	101.7	92.2	102.0	94.8	−8.5	101.7	0.0	1.0	j04g	o89y		0.964	1.0	0.0	0.964	1.0	0.0

3 Colours no. *j*=711

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.875	0.0	1.0	0.788	0.0	1.0	0.787	0.0
$rgb^*_{Fa,\ 8bit}$	255	223	0	255	201	0	255	201	0
L^*, C^*_{ab}, h_{ab}	83.0	88.8	91.5	78.3	84.2	85.0	80.3	87.1	82.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.9	11.9	3D−it:	5.1	5.1

3 Colours no. *j*=711

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.875	0.0	0.964	1.0	0.0	1.0	0.973	0.0
$olv^*_{Fa,\ 8bit}$	255	223	0	246	255	0	255	248	0
L^*, C^*_{ab}, h_{ab}	83.0	88.8	91.5	92.2	102.0	94.8	93.0	103.5	87.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.0	17.0	3D−in:	18.8	18.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
712	1.0	0.875	0.125	82.4	77.5	83.5	83.9	8.9	83.0	79.7	73.0	83.9	7.8	72.6	0.0	0.875	r86j	o77y		1.0	0.773	0.0	1.0	0.802	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
712	1.0	0.875	0.125	82.4	92.5	102.0	93.8	−6.6	101.8	92.9	89.3	93.8	−5.7	89.1	0.0	0.875	j02g	o87y		0.979	1.0	0.0	0.982	1.0	0.125

3 Colours no. *j*=712

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.875	0.125	1.0	0.802	0.125	1.0	0.806	0.166
$rgb^*_{Fa,\ 8bit}$	255	223	32	255	204	32	255	205	42
L^*, C^*_{ab}, h_{ab}	83.0	81.5	91.2	79.7	73.0	83.9	83.1	74.4	80.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.4	13.4	3D−it:	5.5	5.5

3 Colours no. *j*=712

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.875	0.125	0.982	1.0	0.125	1.0	0.956	0.125
$olv^*_{Fa,\ 8bit}$	255	223	32	250	255	32	255	244	32
L^*, C^*_{ab}, h_{ab}	83.0	81.5	91.2	92.9	89.3	93.8	102.7	96.7	91.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.1	13.1	3D−in:	24.9	24.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
713	1.0	0.875	0.25	81.0	76.4	82.4	82.3	11.0	81.7	81.2	61.8	82.3	8.2	61.2	0.0	0.75	r84j	o75y		1.0	0.753	0.0	1.0	0.815	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
713	1.0	0.875	0.25	81.0	93.0	102.0	92.3	−4.0	101.9	93.6	76.5	92.3	−3.0	76.4	0.0	0.75	r99j	o85y		1.0	1.0	0.0	1.0	1.0	0.25

3 Colours no. *j*=713

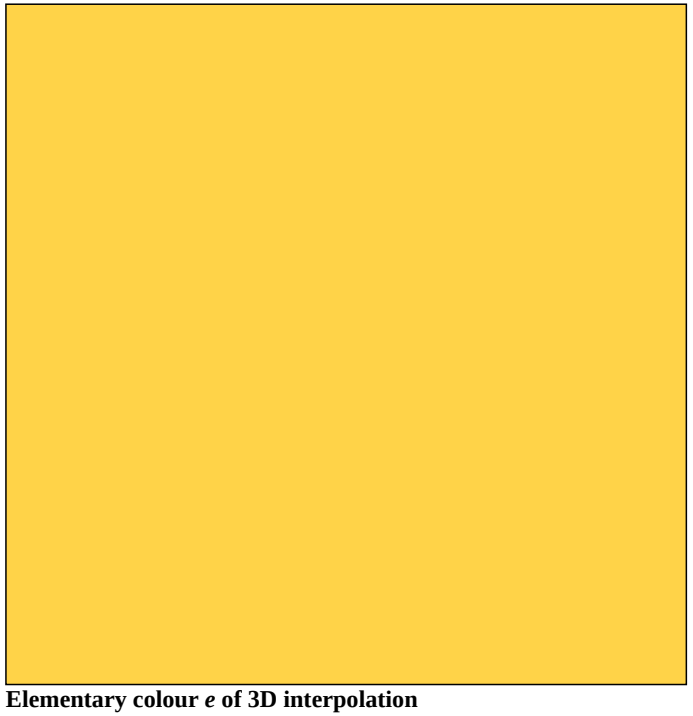
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.875	0.25	1.0	0.815	0.25	1.0	0.827	0.283
$rgb^*_{Fa,\ 8bit}$	255	223	64	255	208	64	255	211	72
L^*, C^*_{ab}, h_{ab}	83.2	66.8	89.9	81.2	61.8	82.3	83.4	69.7	78.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.1	10.1	3D−it:	9.6	9.6

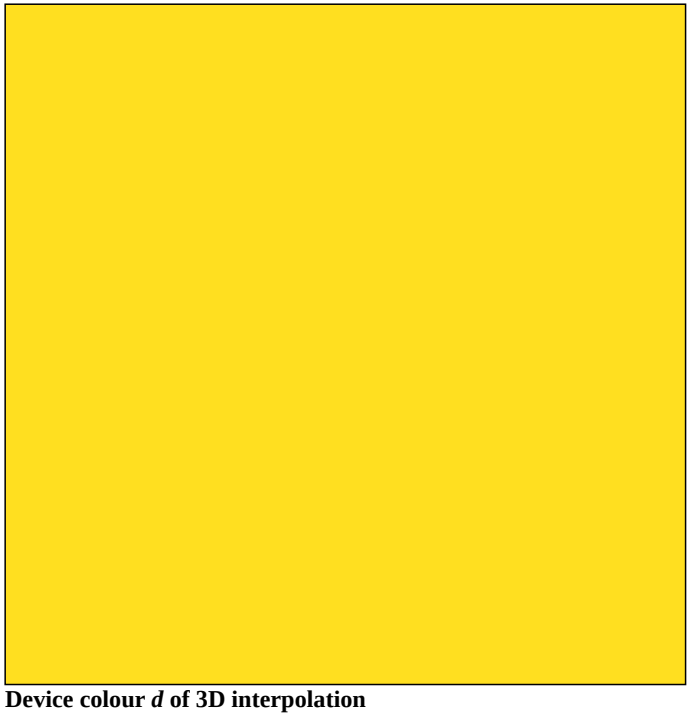
3 Colours no. *j*=713

output of the device colour *d*:

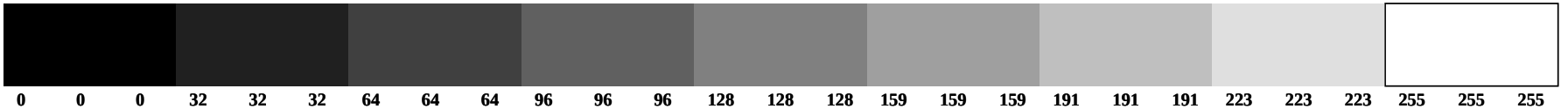
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.875	0.25	1.0	1.0	0.25	1.0	0.875	0.125
$olv^*_{Fa,\ 8bit}$	255	223	64	255	255	64	255	223	32
L^*, C^*_{ab}, h_{ab}	83.2	66.8	89.9	93.6	76.5	92.3	104.0	86.1	89.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.5	14.5	3D−in:	28.3	28.3



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
714	1.0	0.875	0.375	79.1	75.1	81.6	80.2	13.9	80.4	82.7	51.0	80.2	8.7	50.2	0.0	0.625	r81j	o72y		1.0	0.725	0.0	1.0	0.828	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
714	1.0	0.875	0.375	79.1	90.5	98.7	90.2	−0.3	98.7	92.3	61.7	90.2	−0.2	61.7	0.0	0.625	r96j	o82y		1.0	0.969	0.0	1.0	0.981	0.375

3 Colours no. *j*=714

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.875	0.375	1.0	0.828	0.375	1.0	0.853	0.421
$rgb^*_{Fa,\ 8bit}$	255	223	96	255	211	96	255	218	107
L^*, C^*_{ab}, h_{ab}	83.4	54.4	87.9	82.7	51.0	80.2	83.6	59.5	77.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.9	7.9	3D−it:	9.0	9.0

3 Colours no. *j*=714

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.875	0.375	1.0	0.981	0.375	1.0	0.875	0.251
$olv^*_{Fa,\ 8bit}$	255	223	96	255	250	96	255	223	64
L^*, C^*_{ab}, h_{ab}	83.4	54.4	87.9	92.3	61.7	90.2	101.3	69.1	88.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.8	11.8	3D−in:	23.2	23.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
715	1.0	0.875	0.5	76.1	73.2	80.5	76.8	18.4	78.4	84.3	40.3	76.8	9.2	39.2	0.0	0.5	r76j	o68y		1.0	0.681	0.0	1.0	0.84	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
715	1.0	0.875	0.5	76.1	86.7	93.7	87.1	4.8	93.6	91.0	46.9	87.1	2.4	46.8	0.0	0.5	r91j	o77y		1.0	0.921	0.0	1.0	0.961	0.5

3 Colours no. *j*=715

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.875	0.5	1.0	0.84	0.5	1.0	0.869	0.548
$rgb^*_{Fa,\ 8bit}$	255	223	128	255	214	128	255	222	140
L^*, C^*_{ab}, h_{ab}	83.6	42.7	84.4	84.3	40.3	76.8	84.9	44.8	71.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.1	6.1	3D−it:	6.1	6.1	

3 Colours no. *j*=715

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.875	0.5	1.0	0.961	0.5	1.0	0.945	0.572
$olv^*_{Fa,\ 8bit}$	255	223	128	255	245	128	255	241	146
L^*, C^*_{ab}, h_{ab}	83.6	42.7	84.4	91.0	46.9	87.1	98.4	51.3	85.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−in:	17.1	17.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
716	1.0	0.875	0.625	70.9	69.9	79.1	71.0	25.7	74.8	85.8	29.7	71.0	9.6	28.0	0.0	0.375	r67j	o60y		1.0	0.603	0.0	1.0	0.851	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
716	1.0	0.875	0.625	70.9	81.0	86.9	81.5	12.8	86.0	90.0	32.6	81.5	4.8	32.2	0.0	0.375	r83j	o68y		1.0	0.839	0.0	1.0	0.94	0.625

3 Colours no. *j*=716

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.875	0.625	1.0	0.851	0.625	1.0	0.875	0.695
$rgb^*_{Fa,\ 8bit}$	255	223	159	255	217	159	255	223	177
L^*, C^*_{ab}, h_{ab}	83.9	32.2	78.5	85.8	29.7	71.0	87.7	34.1	67.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−it:	5.1	5.1	

3 Colours no. *j*=716

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.875	0.625	1.0	0.94	0.625	1.0	0.934	0.718
$olv^*_{Fa,\ 8bit}$	255	223	159	255	240	159	255	238	183
L^*, C^*_{ab}, h_{ab}	83.9	32.2	78.5	90.0	32.6	81.5	96.1	33.5	78.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−in:	12.2	12.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
717	1.0	0.875	0.75	60.0	63.5	79.7	58.9	41.2	68.2	87.4	19.9	58.9	10.3	17.1	0.0	0.25	r49j	o43y		1.0	0.434	0.0	1.0	0.858	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
717	1.0	0.875	0.75	60.0	72.5	80.1	70.0	27.4	75.3	89.7	20.0	70.0	6.9	18.8	0.0	0.25	r66j	o50y		1.0	0.666	0.0	1.0	0.916	0.75

3 Colours no. *j*=717

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.875	0.75	1.0	0.858	0.75	1.0	0.901	0.834
$rgb^*_{Fa,\ 8bit}$	255	223	191	255	219	191	255	230	213
L^*, C^*_{ab}, h_{ab}	84.3	22.7	66.3	87.4	19.9	58.9	90.6	23.7	61.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−it:	5.0	5.0	

3 Colours no. *j*=717

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.875	0.75	1.0	0.916	0.75	1.0	0.929	0.85
$olv^*_{Fa,\ 8bit}$	255	223	191	255	234	191	255	237	217
L^*, C^*_{ab}, h_{ab}	84.3	22.7	66.3	89.7	20.0	70.0	95.1	22.7	66.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−in:	10.8	10.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
718	1.0	0.875	0.875	30.0	52.7	81.3	25.5	73.4	34.9	90.1	10.2	25.5	9.2	4.4	0.0	0.125	b99r	m81o		1.0	0.0	0.189	1.0	0.875	0.899
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
718	1.0	0.875	0.875	30.0	55.6	86.2	38.2	67.8	53.3	90.4	10.8	38.2	8.5	6.7	0.0	0.125	r19j	m100o		1.0	0.19	0.0	1.0	0.899	0.875

3 Colours no. *j*=718

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.875	0.875	1.0	0.875	0.899	1.0	0.93	0.937
$rgb^*_{Fa,\ 8bit}$	255	223	223	255	223	229	255	237	239
L^*, C^*_{ab}, h_{ab}	84.7	15.1	35.4	90.1	10.2	25.5	95.4	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.6	7.6	3D−it:	7.6	7.6

3 Colours no. *j*=718

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.875	0.875	1.0	0.899	0.875	1.0	0.934	0.928
$olv^*_{Fa,\ 8bit}$	255	223	223	255	229	223	255	238	237
L^*, C^*_{ab}, h_{ab}	84.7	15.1	35.4	90.4	10.8	38.2	96.1	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.2	7.2	3D−in:	11.4	11.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
719	1.0	0.875	1.0	330.0	57.9	105.2	328.6	89.9	−54.7	90.7	13.2	328.6	11.2	−6.7	0.0	0.125	b50r	m02o		1.0	0.0	0.975	1.0	0.875	0.997
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
719	1.0	0.875	1.0	330.0	56.9	108.7	326.7	90.8	−59.6	90.6	13.6	326.7	11.3	−7.4	0.0	0.125	b47r	m00o		0.966	0.0	1.0	0.996	0.875	1.0

3 Colours no. *j*=719

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.875	1.0	1.0	0.875	0.997	1.0	0.934	0.997
$rgb^*_{Fa,\ 8bit}$	255	223	255	255	223	254	255	238	254
L^*, C^*_{ab}, h_{ab}	86.0	24.7	322.8	90.7	13.2	328.6	95.5	22.4	0.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	12.6	12.6	**3D−it:**	14.1	14.1	

3 Colours no. *j*=719

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.875	1.0	0.996	0.875	1.0	1.0	0.933	0.999
$olv^*_{Fa,\ 8bit}$	255	223	255	254	223	255	255	238	255
L^*, C^*_{ab}, h_{ab}	86.0	24.7	322.8	90.6	13.6	326.7	95.5	22.6	0.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	12.1	12.1	**3D−in:**	18.1	18.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
720	1.0	1.0	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	83.7	89.8	92.3	−3.5	89.7	0.0	1.0	r99j	o88y		1.0	0.884	0.0	1.0	0.884	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
720	1.0	1.0	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	90.1	102.2	101.8	−20.8	100.0	0.0	1.0	j13g	o100y		0.864	1.0	0.0	0.864	1.0	0.0

3 Colours no. *j*=720

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	1.0	0.0	1.0	0.884	0.0	1.0	0.884	0.0
$rgb^*_{Fa,\ 8bit}$	255	255	0	255	225	0	255	225	0
L^*, C^*_{ab}, h_{ab}	93.0	102.0	101.8	83.7	89.8	92.3	84.5	90.7	91.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	22.0	22.0	3D−it:	1.7	1.7

3 Colours no. *j*=720

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	1.0	0.0	0.864	1.0	0.0	1.0	1.0	0.0
$olv^*_{Fa,\ 8bit}$	255	255	0	220	255	0	255	255	0
L^*, C^*_{ab}, h_{ab}	93.0	102.0	101.8	90.1	102.2	101.8	93.0	102.4	101.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	2.8	2.8	3D−in:	0.4	0.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
721	1.0	1.0	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	85.2	78.6	92.3	−3.1	78.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
721	1.0	1.0	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	90.8	89.4	101.8	−18.2	87.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	r99j	o88y		1.0	0.884	0.0	1.0	0.899	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j13g	o100y		0.864	1.0	0.0	0.881	1.0	0.125

3 Colours no. *j*=721

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.125	1.0	0.899	0.125	1.0	0.897	0.178
$rgb^*_{Fa,\ 8bit}$	255	255	32	255	229	32	255	229	45
L^*, C^*_{ab}, h_{ab}	93.0	101.1	103.1	85.2	78.6	92.3	87.3	81.5	91.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.2	29.2	3D−it:	3.9	3.9	

3 Colours no. *j*=721

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.125	0.881	1.0	0.125	0.989	0.974	0.174
$olv^*_{Fa,\ 8bit}$	255	255	32	225	255	32	252	248	44
L^*, C^*_{ab}, h_{ab}	93.0	101.1	103.1	90.8	89.4	101.8	93.2	96.8	100.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−in:	6.0	6.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
722	1.0	1.0	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	86.6	67.3	92.3	−2.6	67.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
722	1.0	1.0	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	91.4	76.7	101.8	−15.6	75.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.75	r99j	o88y		1.0	0.884	0.0	1.0	0.913	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.75	j13g	o100y		0.864	1.0	0.0	0.898	1.0	0.25

3 Colours no. *j*=722

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.25	1.0	0.913	0.25	1.0	0.913	0.297
$rgb^*_{Fa,\ 8bit}$	255	255	64	255	233	64	255	233	76
L^*, C^*_{ab}, h_{ab}	93.2	82.1	103.1	86.6	67.3	92.3	90.1	67.8	89.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	21.4	21.4	3D−it:	4.4	4.4	

3 Colours no. *j*=722

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.25	0.898	1.0	0.25	0.995	0.979	0.278
$olv^*_{Fa,\ 8bit}$	255	255	64	229	255	64	254	250	71
L^*, C^*_{ab}, h_{ab}	93.2	82.1	103.1	91.4	76.7	101.8	93.2	81.0	99.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−in:	5.9	5.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
723	1.0	1.0	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	88.1	56.1	92.3	−2.2	56.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
723	1.0	1.0	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	92.1	63.9	101.8	−13.0	62.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	r99j	o88y		1.0	0.884	0.0	1.0	0.928	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j13g	o100y		0.864	1.0	0.0	0.915	1.0	0.375

3 Colours no. *j*=723

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.375	1.0	0.928	0.375	1.0	0.928	0.434
$rgb^*_{Fa,\ 8bit}$	255	255	96	255	237	96	255	237	111
L^*, C^*_{ab}, h_{ab}	93.3	70.3	103.8	88.1	56.1	92.3	92.8	57.8	88.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.7	19.7	3D−it:	6.6	6.6	

3 Colours no. *j*=723

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.375	0.915	1.0	0.375	1.0	0.983	0.419
$olv^*_{Fa,\ 8bit}$	255	255	96	233	255	96	255	251	107
L^*, C^*_{ab}, h_{ab}	93.3	70.3	103.8	92.1	63.9	101.8	93.5	69.2	99.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	5.5	5.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
724	1.0	1.0	0.5	90.0	83.7	89.8	92.3	−3.5	89.7	89.6	44.9	92.3	−1.7	44.9
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
724	1.0	1.0	0.5	90.0	90.1	102.2	101.8	−20.8	100.0	92.8	51.1	101.8	−10.3	50.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.5	r99j	o88y		1.0	0.884	0.0	1.0	0.942	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.5	j13g	o100y		0.864	1.0	0.0	0.932	1.0	0.5

3 Colours no. *j*=724

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.5	1.0	0.942	0.5	1.0	0.94	0.57
$rgb^*_{Fa,\ 8bit}$	255	255	128	255	240	128	255	240	145
L^*, C^*_{ab}, h_{ab}	93.5	58.7	104.6	89.6	44.9	92.3	95.5	47.4	85.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.1	18.1	3D−it:	8.7	8.7	

3 Colours no. *j*=724

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.5	0.932	1.0	0.5	1.0	0.986	0.565
$olv^*_{Fa,\ 8bit}$	255	255	128	238	255	128	255	251	144
L^*, C^*_{ab}, h_{ab}	93.5	58.7	104.6	92.8	51.1	101.8	93.8	54.5	98.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−in:	7.2	7.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
725	1.0	1.0	0.625	90.0	83.7	89.8	92.3	−3.5	89.7	91.0	33.7	92.3	−1.2	33.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
725	1.0	1.0	0.625	90.0	90.1	102.2	101.8	−20.8	100.0	93.4	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.375	r99j	o88y		1.0	0.884	0.0	1.0	0.957	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.375	j13g	o100y		0.864	1.0	0.0	0.949	1.0	0.625

3 Colours no. *j*=725

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.625	1.0	0.957	0.625	1.0	0.955	0.719
$rgb^*_{Fa,\ 8bit}$	255	255	159	255	244	159	255	244	183
L^*, C^*_{ab}, h_{ab}	93.8	47.9	105.3	91.0	33.7	92.3	94.0	36.3	78.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.1	17.1	3D−it:	9.4	9.4

3 Colours no. *j*=725

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.625	0.949	1.0	0.625	1.0	0.99	0.716
$olv^*_{Fa,\ 8bit}$	255	255	159	242	255	159	255	252	183
L^*, C^*_{ab}, h_{ab}	93.8	47.9	105.3	93.4	38.3	101.8	94.0	39.9	98.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.9	9.9	3D−in:	9.7	9.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
726	1.0	1.0	0.75	90.0	83.7	89.8	92.3	−3.5	89.7	92.5	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
726	1.0	1.0	0.75	90.0	90.1	102.2	101.8	−20.8	100.0	94.1	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.25	r99j	o88y		1.0	0.884	0.0	1.0	0.971	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.25	j13g	o100y		0.865	1.0	0.0	0.966	1.0	0.75

3 Colours no. *j*=726

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.75	1.0	0.971	0.75	1.0	0.97	0.857
$rgb^*_{Fa,\ 8bit}$	255	255	191	255	248	191	255	247	219
L^*, C^*_{ab}, h_{ab}	94.0	36.9	105.9	92.5	22.4	92.3	94.4	24.3	77.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.1	16.1	3D−it:	6.6	6.6	

3 Colours no. *j*=726

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.75	0.966	1.0	0.75	1.0	0.993	0.856
$olv^*_{Fa,\ 8bit}$	255	255	191	246	255	191	255	253	218
L^*, C^*_{ab}, h_{ab}	94.0	36.9	105.9	94.1	25.6	101.8	94.4	26.5	97.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	11.4	11.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
727	1.0	1.0	0.875	90.0	83.7	89.7	92.3	−3.4	89.7	93.9	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
727	1.0	1.0	0.875	90.0	90.1	102.2	101.8	−20.7	100.1	94.7	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.125	r99j	o88y		1.0	0.884	0.0	1.0	0.985	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.125	j13g	o100y		0.865	1.0	0.0	0.983	1.0	0.875

3 Colours no. *j*=727

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.875	1.0	0.985	0.875	1.0	0.984	0.933
$rgb^*_{Fa,\ 8bit}$	255	255	223	255	251	223	255	251	238
L^*, C^*_{ab}, h_{ab}	94.4	24.7	106.6	93.9	11.2	92.3	95.5	22.2	89.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.1	14.1	3D−it:	11.1	11.1

3 Colours no. *j*=727

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.875	0.983	1.0	0.875	1.0	0.996	0.933
$olv^*_{Fa,\ 8bit}$	255	255	223	251	255	223	255	254	238
L^*, C^*_{ab}, h_{ab}	94.4	24.7	106.6	94.7	12.8	101.8	95.1	23.8	85.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.1	12.1	3D−in:	8.9	8.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
728	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
728	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=728

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.5	0.2	74.8	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.3	0.3	3D−it:	0.3	0.3	

3 Colours no. *j*=728

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.5	0.2	74.8	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.3	0.3	3D−in:	0.0	0.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
729	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
729	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=729

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.8	0.5	67.9	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.6	0.6	3D−it:	0.3	0.3	

3 Colours no. *j*=729

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.8	0.5	67.9	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.6	0.6	3D−in:	0.3	0.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
730	0.875	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	93.5	5.5	217.0	−4.3	−3.2	0.0	0.125	g50b	c08v		0.0	0.925	1.0	0.875	0.991	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
730	0.875	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.9	94.1	9.1	196.7	−8.6	−2.5	0.0	0.125	g31b	c00v		0.0	1.0	0.63	0.875	1.0	0.954

3 Colours no. *j*=730

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.875	1.0	1.0	0.875	0.991	1.0	0.934	0.991	1.0
$rgb^*_{Fa,\ 8bit}$	223	255	255	223	253	255	238	253	255
L^*, C^*_{ab}, h_{ab}	93.4	11.4	197.7	93.5	5.5	217.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−it:	6.0	6.0	

3 Colours no. *j*=730

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.875	1.0	1.0	0.875	1.0	0.954	0.909	1.0	1.0
$olv^*_{Fa,\ 8bit}$	223	255	255	223	255	243	232	255	255
L^*, C^*_{ab}, h_{ab}	93.4	11.4	197.7	94.1	9.1	196.7	95.3	6.5	192.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.5	2.5	3D−in:	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
731	0.75	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	91.6	10.9	217.0	−8.6	−6.5	0.0	0.25	g50b	c08v		0.0	0.925	1.0	0.75	0.981	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
731	0.75	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	92.9	18.2	196.7	−17.3	−5.1	0.0	0.25	g31b	c00v		0.0	1.0	0.63	0.75	1.0	0.908

3 Colours no. *j*=731

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	1.0	0.75	0.981	1.0	0.868	0.984	1.0
$rgb^*_{Fa,\ 8bit}$	191	255	255	191	250	255	221	251	255
L^*, C^*_{ab}, h_{ab}	91.9	19.4	197.9	91.6	10.9	217.0	93.0	7.4	211.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−it:	3.8	3.8	

3 Colours no. *j*=731

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	1.0	0.75	1.0	0.908	0.79	1.0	1.0
$olv^*_{Fa,\ 8bit}$	191	255	255	191	255	231	201	255	255
L^*, C^*_{ab}, h_{ab}	91.9	19.4	197.9	92.9	18.2	196.7	94.3	16.7	194.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	1.6	1.6	3D−in:	3.8	3.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 732/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
732	0.625	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	89.8	16.4	217.0	−13.0	−9.7	0.0	0.375	g50b	c08v		0.0	0.925	1.0	0.625	0.972	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
732	0.625	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	91.6	27.3	196.7	−26.0	−7.8	0.0	0.375	g31b	c00v		0.0	1.0	0.63	0.625	1.0	0.861

3 Colours no. *j*=732

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	1.0	1.0	0.625	0.972	1.0	0.773	0.975	1.0
$rgb^*_{Fa,\ 8bit}$	159	255	255	159	248	255	197	249	255
L^*, C^*_{ab}, h_{ab}	90.7	26.5	197.8	89.8	16.4	217.0	93.0	11.7	199.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−it:	7.1	7.1	

3 Colours no. *j*=732

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	1.0	1.0	0.625	1.0	0.861	0.625	1.0	1.0
$olv^*_{Fa,\ 8bit}$	159	255	255	159	255	220	159	255	255
L^*, C^*_{ab}, h_{ab}	90.7	26.5	197.8	91.6	27.3	196.7	93.0	26.5	196.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	1.3	1.3	3D−in:	2.4	2.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
733	0.5	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	87.9	21.8	217.0	−17.3	−13.0	0.0	0.5	g50b	c08v		0.0	0.925	1.0	0.5	0.962	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
733	0.5	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	90.4	36.4	196.7	−34.8	−10.4	0.0	0.5	g31b	c00v		0.0	1.0	0.63	0.5	1.0	0.815

3 Colours no. *j*=733

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	1.0	1.0	0.5	0.962	1.0	0.668	0.966	1.0
$rgb^*_{Fa,\ 8bit}$	128	255	255	128	245	255	170	246	255
L^*, C^*_{ab}, h_{ab}	89.7	32.3	197.6	87.9	21.8	217.0	91.5	17.4	201.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.9	13.9	3D−it:	7.8	7.8

3 Colours no. *j*=733

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	1.0	1.0	0.5	1.0	0.815	0.438	1.0	1.0
$olv^*_{Fa,\ 8bit}$	128	255	255	128	255	208	112	255	255
L^*, C^*_{ab}, h_{ab}	89.7	32.3	197.6	90.4	36.4	196.7	92.1	35.1	196.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.1	4.1	3D−in:	3.8	3.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
734	0.375	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	86.0	27.3	217.0	−21.7	−16.3	0.0	0.625	g50b	c08v		0.0	0.925	1.0	0.375	0.953	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
734	0.375	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	89.1	45.5	196.7	−43.5	−13.0	0.0	0.625	g31b	c00v		0.0	1.0	0.63	0.375	1.0	0.769

3 Colours no. *j*=734

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	1.0	1.0	0.375	0.953	1.0	0.549	0.956	1.0
$rgb^*_{Fa,\ 8bit}$	96	255	255	96	243	255	140	244	255
L^*, C^*_{ab}, h_{ab}	88.8	37.4	197.4	86.0	27.3	217.0	90.3	19.9	204.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.1	15.1	3D−it:	9.8	9.8	

3 Colours no. *j*=734

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	1.0	1.0	0.375	1.0	0.769	0.125	1.0	1.0
$olv^*_{Fa,\ 8bit}$	96	255	255	96	255	196	32	255	255
L^*, C^*_{ab}, h_{ab}	88.8	37.4	197.4	89.1	45.5	196.7	90.7	44.9	196.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−in:	7.8	7.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
735	0.25	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	84.1	32.7	217.0	−26.0	−19.6	0.0	0.75	g50b	c08v		0.0	0.925	1.0	0.25	0.944	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
735	0.25	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	87.8	54.6	196.7	−52.2	−15.6	0.0	0.75	g31b	c00v		0.0	1.0	0.63	0.25	1.0	0.722

3 Colours no. *j*=735

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	1.0	1.0	0.25	0.944	1.0	0.41	0.946	1.0
$rgb^*_{Fa,\ 8bit}$	64	255	255	64	241	255	104	241	255
L^*, C^*_{ab}, h_{ab}	88.2	41.5	197.1	84.1	32.7	217.0	90.3	26.8	198.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.0	16.0	3D−it:	12.9	12.9

3 Colours no. *j*=735

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	1.0	1.0	0.25	1.0	0.722	0.0	1.0	1.0
$olv^*_{Fa,\ 8bit}$	64	255	255	64	255	184	0	255	255
L^*, C^*_{ab}, h_{ab}	88.2	41.5	197.1	87.8	54.6	196.7	88.3	46.4	196.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.1	13.1	3D−in:	4.9	4.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
736	0.125	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	82.2	38.2	217.0	−30.4	−22.9	0.0	0.875	g50b	c08v		0.0	0.925	1.0	0.125	0.934	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
736	0.125	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	86.6	63.7	196.7	−60.9	−18.2	0.0	0.875	g31b	c00v		0.0	1.0	0.63	0.125	1.0	0.676

3 Colours no. *j*=736

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	1.0	1.0	0.125	0.934	1.0	0.251	0.936	1.0
$rgb^*_{Fa,\ 8bit}$	32	255	255	32	238	255	64	239	255
L^*, C^*_{ab}, h_{ab}	87.7	44.9	196.9	82.2	38.2	217.0	88.6	27.4	204.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.8	16.8	3D−it:	14.4	14.4

3 Colours no. *j*=736

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	1.0	1.0	0.125	1.0	0.676	0.0	1.0	1.0
$olv^*_{Fa,\ 8bit}$	32	255	255	32	255	172	0	255	255
L^*, C^*_{ab}, h_{ab}	87.7	44.9	196.9	86.6	63.7	196.7	87.3	46.4	196.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	18.8	18.8	3D−in:	1.5	1.5

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
737	0.0	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	80.3	43.6	217.0	−34.7	−26.1	0.0	1.0	g50b	c08v		0.0	0.925	1.0	0.0	0.925	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
737	0.0	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	85.3	72.8	196.7	−69.6	−20.8	0.0	1.0	g31b	c00v		0.0	1.0	0.63	0.0	1.0	0.63

3 Colours no. *j*=737

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	1.0	1.0	0.0	0.925	1.0	0.0	0.927	1.0
$rgb^*_{Fa,\ 8bit}$	0	255	255	0	236	255	0	236	255
L^*, C^*_{ab}, h_{ab}	87.5	46.3	196.9	80.3	43.6	217.0	84.7	32.6	219.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.4	17.4	3D−it:	11.9	11.9

3 Colours no. *j*=737

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	1.0	1.0	0.0	1.0	0.63	0.0	1.0	1.0
$olv^*_{Fa,\ 8bit}$	0	255	255	0	255	161	0	255	255
L^*, C^*_{ab}, h_{ab}	87.5	46.3	196.9	85.3	72.8	196.7	96.8	44.8	175.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	26.6	26.6	3D−in:	19.4	19.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
738	1.0	0.875	0.875	30.0	52.7	81.3	25.5	73.4	34.9	90.1	10.2	25.5	9.2	4.4	0.0	0.125	b99r	m81o		1.0	0.0	0.189	1.0	0.875	0.899
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
738	1.0	0.875	0.875	30.0	55.6	86.2	38.2	67.8	53.3	90.4	10.8	38.2	8.5	6.7	0.0	0.125	r19j	m100o		1.0	0.19	0.0	1.0	0.899	0.875

3 Colours no. *j*=738

output of the elementary colour *e*:

rgb input (in):									
	1.0	0.875	0.875	1.0	0.875	0.899	1.0	0.93	0.937
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	255	223	223	255	223	229	255	237	239
L^*, C^*_{ab}, h_{ab}	85.0	15.1	35.2	90.1	10.2	25.5	95.4	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−it:	7.6	7.6	

3 Colours no. *j*=738

output of the device colour *d*:

rgb input (in):									
	1.0	0.875	0.875	1.0	0.899	0.875	1.0	0.934	0.928
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	255	223	223	255	229	223	255	238	237
L^*, C^*_{ab}, h_{ab}	85.0	15.1	35.2	90.4	10.8	38.2	96.1	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−in:	11.2	11.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
739	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
739	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=739

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	82.0	3.8	87.9	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.3	5.3	3D−it:	5.6	5.6

3 Colours no. *j*=739

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	82.0	3.8	87.9	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.3	5.3	3D−in:	7.8	7.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
740	0.75	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	83.8	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
740	0.75	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.9	84.4	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.125	g50b	c08v		0.0	0.925	1.0	0.75	0.866	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.125	g31b	c00v		0.0	1.0	0.63	0.75	0.875	0.829

3 Colours no. *j*=740

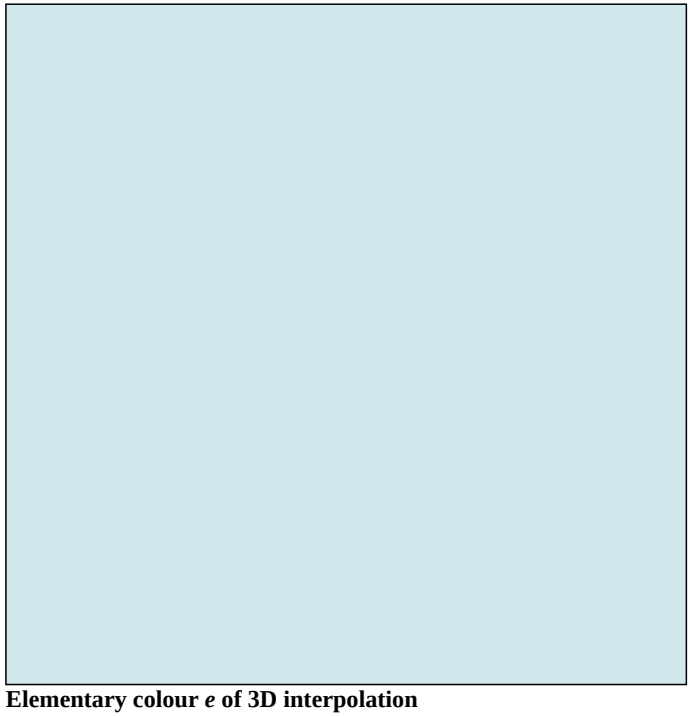
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.875	0.875	0.75	0.866	0.875	0.825	0.904	0.925
$rgb^*_{Fa,\ 8bit}$	191	223	223	191	221	223	210	231	236
L^*, C^*_{ab}, h_{ab}	80.2	8.6	176.2	83.8	5.5	217.0	86.1	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.8	6.8	3D−it:	8.6	8.6

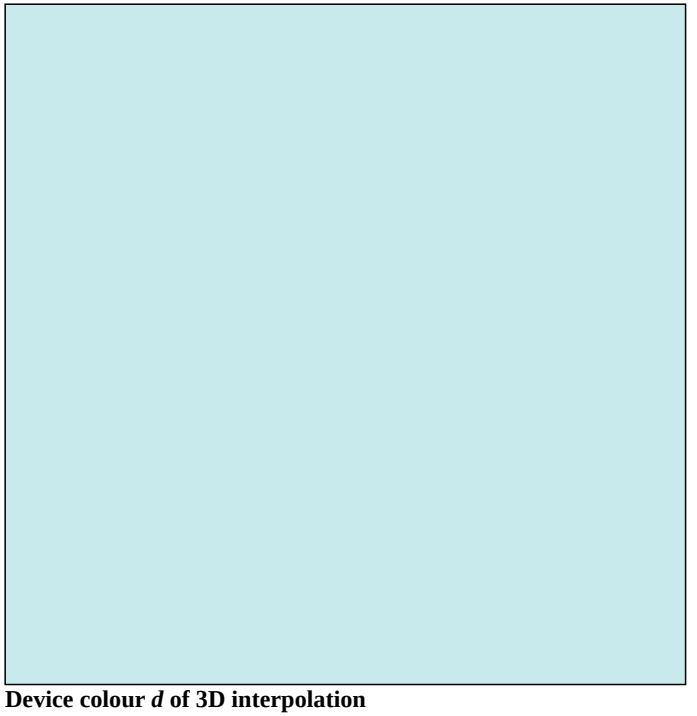
3 Colours no. *j*=740

output of the device colour *d*:

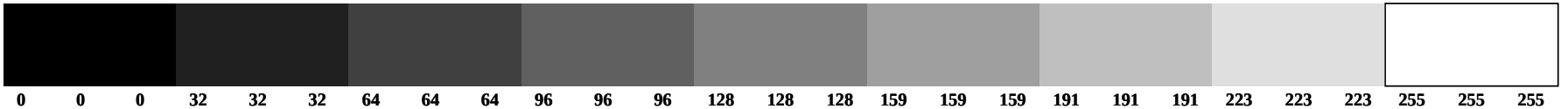
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.875	0.875	0.75	0.875	0.829	0.788	0.917	0.927
$olv^*_{Fa,\ 8bit}$	191	223	223	191	223	211	201	234	236
L^*, C^*_{ab}, h_{ab}	80.2	8.6	176.2	84.4	9.1	196.7	89.2	8.6	176.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.3	5.3	3D−in:	9.0	9.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
741	0.625	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	81.9	10.9	217.0	−8.6	−6.5	0.125	0.25	g50b	c08v		0.0	0.925	1.0	0.625	0.856	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
741	0.625	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	83.2	18.2	196.7	−17.3	−5.1	0.125	0.25	g31b	c00v		0.0	1.0	0.63	0.625	0.875	0.783

3 Colours no. *j*=741

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.875	0.875	0.625	0.856	0.875	0.739	0.896	0.926
$rgb^*_{Fa,\ 8bit}$	159	223	223	159	218	223	188	228	236
L^*, C^*_{ab}, h_{ab}	78.6	16.6	187.0	81.9	10.9	217.0	84.2	8.6	176.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	7.5	7.5	

3 Colours no. *j*=741

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.875	0.875	0.625	0.875	0.783	0.653	0.922	0.929
$olv^*_{Fa,\ 8bit}$	159	223	223	159	223	200	167	235	237
L^*, C^*_{ab}, h_{ab}	78.6	16.6	187.0	83.2	18.2	196.7	88.2	16.9	186.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−in:	9.7	9.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb -> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
742	0.5	0.875 0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	80.0	16.4	217.0	−13.0	−9.7
n_{rgb}	rgb -> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
742	0.5	0.875 0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	81.9	27.3	196.7	−26.0	−7.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.375	g50b	c08v		0.0	0.925	1.0	0.5	0.847	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.375	g31b	c00v		0.0	1.0	0.63	0.5	0.875	0.736

3 Colours no. *j*=742

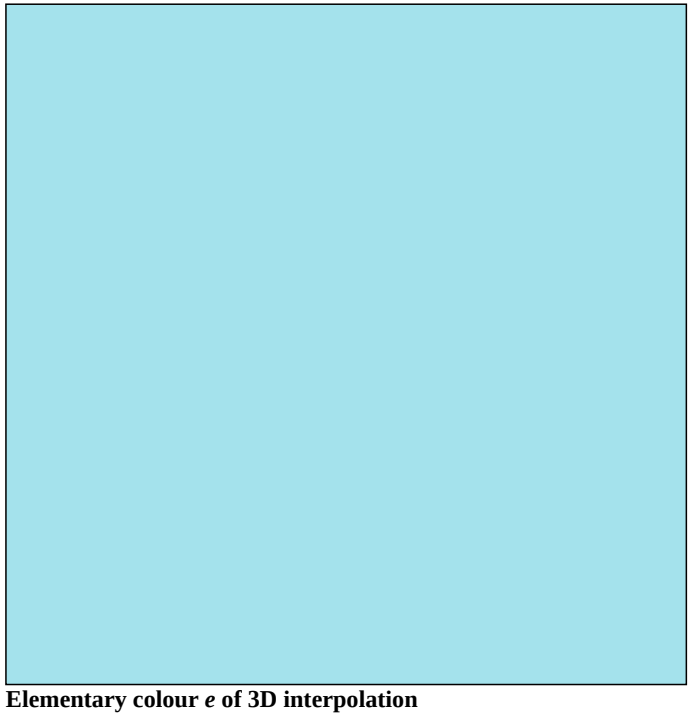
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875 0.875	0.5	0.847	0.875	0.642	0.887	0.927
$rgb^*_{Fa,\ 8bit}$	128	223 223	128	216	223	164	226	236
L^*, C^*_{ab}, h_{ab}	77.3	23.7 190.1	80.0	16.4	217.0	82.0	9.6	192.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$		it−in:	12.1	12.1	3D−it:	8.8	8.8	

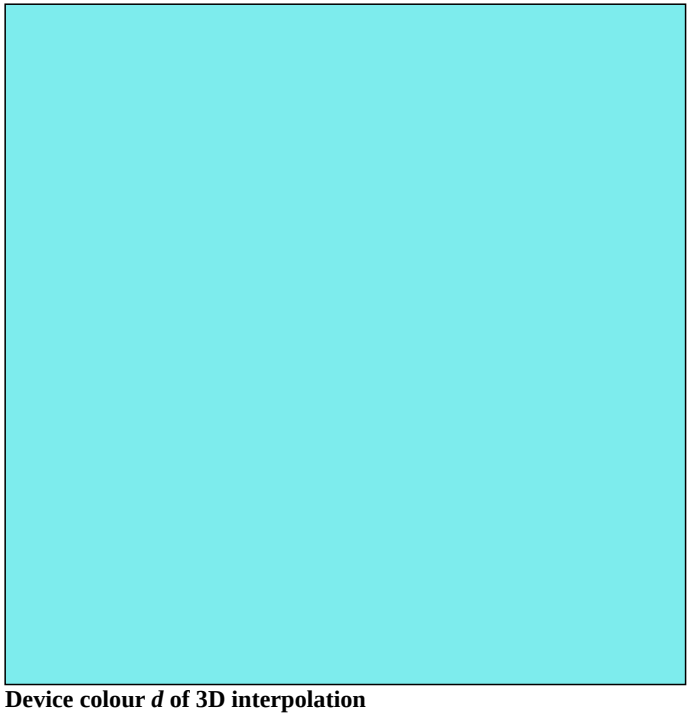
3 Colours no. *j*=742

output of the device colour *d*:

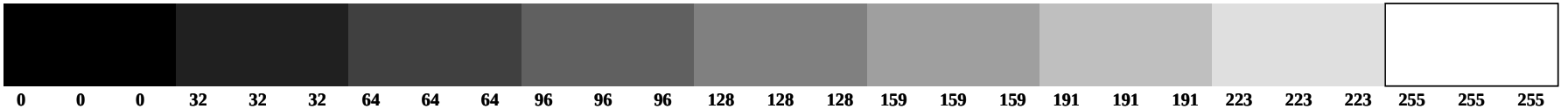
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875 0.875	0.5	0.875	0.736	0.491	0.924	0.931
$olv^*_{Fa,\ 8bit}$	128	223 223	128	223	188	125	236	237
L^*, C^*_{ab}, h_{ab}	77.3	23.7 190.1	81.9	27.3	196.7	86.9	23.9	189.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$		it−in:	6.5	6.5	3D−in:	9.6	9.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
743	0.375	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	78.1	21.8	217.0	−17.3	−13.0	0.125	0.5	g50b	c08v		0.0	0.925	1.0	0.375	0.837	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
743	0.375	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	80.6	36.4	196.7	−34.8	−10.4	0.125	0.5	g31b	c00v		0.0	1.0	0.63	0.375	0.875	0.69

3 Colours no. *j*=743

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.875	0.875	0.375	0.837	0.875	0.535	0.878	0.928
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	96	223	223	96	214	223	136	224	237
L^*, C^*_{ab}, h_{ab}	76.2	29.9	191.4	78.1	21.8	217.0	79.4	12.0	199.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.1	14.1	3D−it:	11.0	11.0	

3 Colours no. *j*=743

output of the device colour *d*:

rgb input (in):									
	0.375	0.875	0.875	0.375	0.875	0.69	0.271	0.926	0.933
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	96	223	223	96	223	176	69	236	238
L^*, C^*_{ab}, h_{ab}	76.2	29.9	191.4	80.6	36.4	196.7	85.4	30.2	191.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−in:	9.2	9.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
744	0.25	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	76.3	27.3	217.0	−21.7	−16.3	0.125	0.625	g50b	c08v		0.0	0.925	1.0	0.25	0.828	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
744	0.25	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	79.4	45.5	196.7	−43.5	−13.0	0.125	0.625	g31b	c00v		0.0	1.0	0.63	0.25	0.875	0.644

3 Colours no. *j*=744

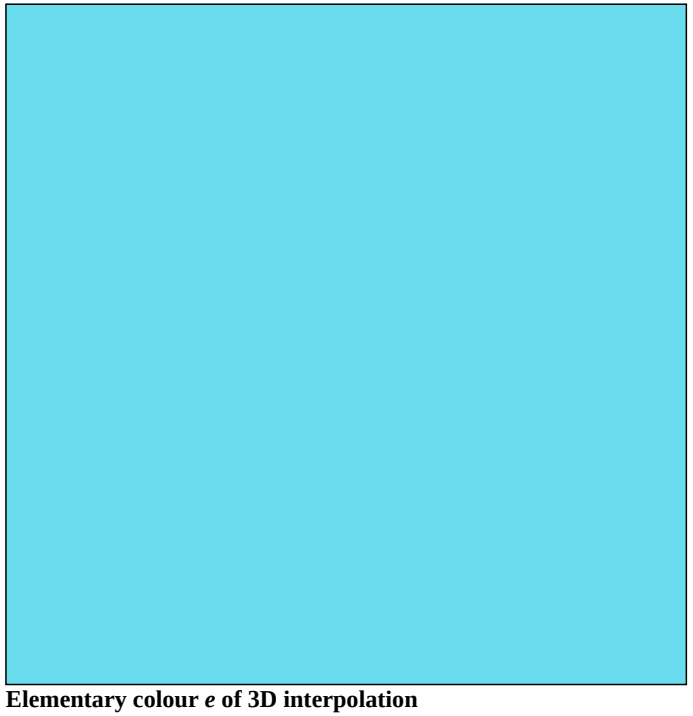
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.875	0.875	0.25	0.828	0.875	0.411	0.865	0.929
$rgb^*_{Fa,\ 8bit}$	64	223	223	64	211	223	105	221	237
L^*, C^*_{ab}, h_{ab}	75.3	35.1	192.1	76.3	27.3	217.0	84.5	21.5	221.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.5	15.5	3D−it:	10.2	10.2

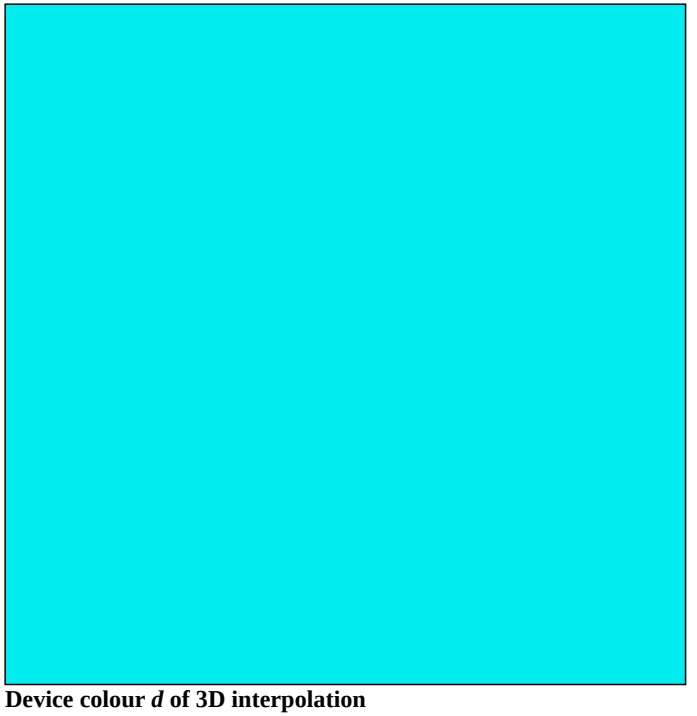
3 Colours no. *j*=744

output of the device colour *d*:

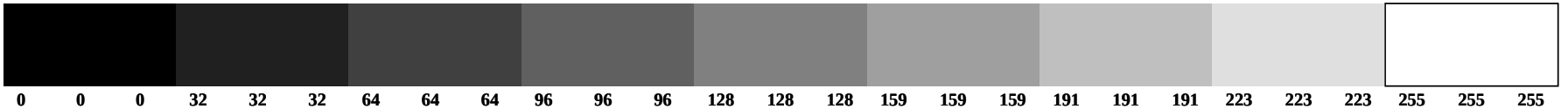
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.875	0.875	0.25	0.875	0.644	0.0	0.928	0.936
$olv^*_{Fa,\ 8bit}$	64	223	223	64	223	164	0	237	239
L^*, C^*_{ab}, h_{ab}	75.3	35.1	192.1	79.4	45.5	196.7	84.3	39.4	192.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.6	11.6	3D−in:	9.9	9.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
745	0.125	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	74.4	32.7	217.0	−26.0	−19.6	0.125	0.75	g50b	c08v		0.0	0.925	1.0	0.125	0.819	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
745	0.125	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	78.1	54.6	196.7	−52.2	−15.6	0.125	0.75	g31b	c00v		0.0	1.0	0.63	0.125	0.875	0.597

3 Colours no. *j*=745

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.875	0.875	0.125	0.819	0.875	0.262	0.852	0.93
$rgb^*_{Fa,\ 8bit}$	32	223	223	32	209	223	67	217	237
L^*, C^*_{ab}, h_{ab}	74.6	39.3	192.5	74.4	32.7	217.0	81.7	28.9	222.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.6	16.6	3D−it:	8.7	8.7	

3 Colours no. *j*=745

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.875	0.875	0.125	0.875	0.597	0.0	0.929	0.938
$olv^*_{Fa,\ 8bit}$	32	223	223	32	223	152	0	237	239
L^*, C^*_{ab}, h_{ab}	74.6	39.3	192.5	78.1	54.6	196.7	87.5	44.9	196.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−in:	14.4	14.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 746/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
746	0.0	0.875	0.875	210.0	80.3	43.6	217.0	−34.7	−26.1	72.5	38.2	217.0	−30.4	−22.9	0.125	0.875	g50b	c08v		0.0	0.925	1.0	0.0	0.809	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
746	0.0	0.875	0.875	210.0	85.3	72.8	196.7	−69.6	−20.8	76.8	63.7	196.7	−60.9	−18.2	0.125	0.875	g31b	c00v		0.0	1.0	0.63	0.0	0.875	0.551

3 Colours no. *j*=746

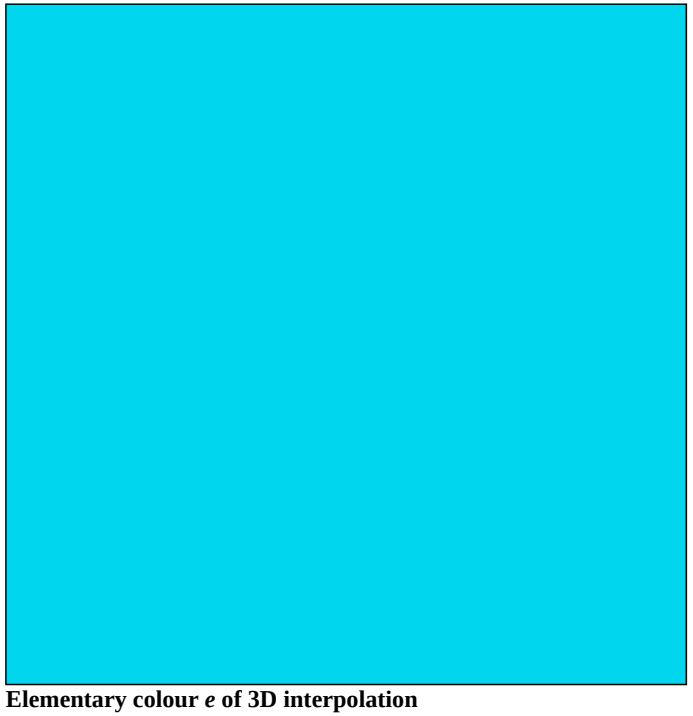
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.875	0.0	0.809	0.875	0.0	0.839	0.93
$rgb^*_{Fa,\ 8bit}$	0	223	223	0	206	223	0	214	237
L^*, C^*_{ab}, h_{ab}	74.3	41.1	192.7	72.5	38.2	217.0	78.8	33.6	219.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.0	17.0	3D−it:	8.0	8.0

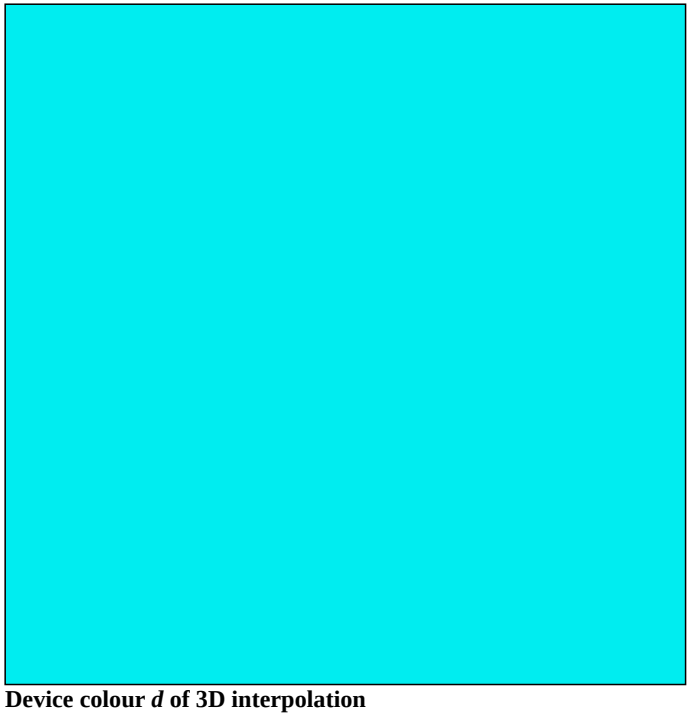
3 Colours no. *j*=746

output of the device colour *d*:

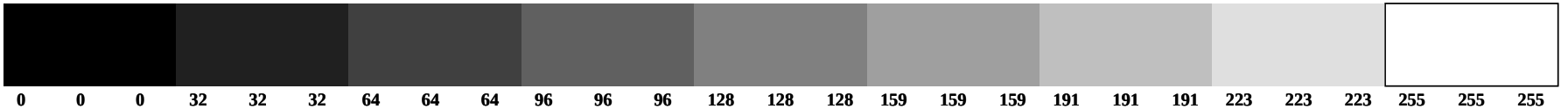
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.875	0.0	0.875	0.551	0.0	0.931	0.94
$olv^*_{Fa,\ 8bit}$	0	223	223	0	223	141	0	237	240
L^*, C^*_{ab}, h_{ab}	74.3	41.1	192.7	76.8	63.7	196.7	87.5	44.9	196.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	23.0	23.0	3D−in:	14.1	14.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
747	1.0	0.75	0.75	30.0	52.7	81.3	25.5	73.4	35.0	84.7	20.3	25.5	18.3	8.7	0.0	0.25	b99r	m81o		1.0	0.0	0.189	1.0	0.75	0.797
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
747	1.0	0.75	0.75	30.0	55.6	86.2	38.2	67.8	53.3	85.5	21.6	38.2	16.9	13.3	0.0	0.25	r19j	m100o		1.0	0.19	0.0	1.0	0.798	0.75

3 Colours no. *j*=747

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.75	0.75	1.0	0.75	0.797	1.0	0.855	0.875
$rgb^*_{Fa,\ 8bit}$	255	191	191	255	191	203	255	218	223
L^*, C^*_{ab}, h_{ab}	78.0	25.5	24.9	84.7	20.3	25.5	84.7	25.9	19.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.4	8.4	3D−it:	6.1	6.1

3 Colours no. *j*=747

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.75	0.75	1.0	0.798	0.75	1.0	0.867	0.841
$olv^*_{Fa,\ 8bit}$	255	191	191	255	203	191	255	221	214
L^*, C^*_{ab}, h_{ab}	78.0	25.5	24.9	85.5	21.6	38.2	86.2	28.1	39.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.0	10.0	3D−in:	11.0	11.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
748	0.875	0.75	0.75	30.0	52.7	81.3	25.5	73.4	34.9	80.3	10.2	25.5	9.2	4.4	0.125	0.125	b99r	m81o		1.0	0.0	0.189	0.875	0.75	0.774
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
748	0.875	0.75	0.75	30.0	55.6	86.2	38.2	67.8	53.3	80.7	10.8	38.2	8.5	6.7	0.125	0.125	r19j	m100o		1.0	0.19	0.0	0.875	0.774	0.75

3 Colours no. *j*=748

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.75	0.875	0.75	0.774	0.924	0.83	0.85
$rgb^*_{Fa,\ 8bit}$	223	191	191	223	191	197	236	212	217
L^*, C^*_{ab}, h_{ab}	74.6	11.5	25.6	80.3	10.2	25.5	84.7	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−it:	6.9	6.9	

3 Colours no. *j*=748

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.75	0.875	0.774	0.75	0.929	0.836	0.833
$olv^*_{Fa,\ 8bit}$	223	191	191	223	197	191	237	213	212
L^*, C^*_{ab}, h_{ab}	74.6	11.5	25.6	80.7	10.8	38.2	84.7	15.1	35.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.6	6.6	3D−in:	10.9	10.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 749/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
749	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
749	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. *j*=749

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.4	1.6	48.3	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	4.4	4.4	

3 Colours no. *j*=749

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.4	1.6	48.3	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.6	7.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
750	0.625	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	74.1	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
750	0.625	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.9	74.7	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.125	g50b	c08v		0.0	0.925	1.0	0.625	0.741	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.125	g31b	c00v		0.0	1.0	0.63	0.625	0.75	0.704

3 Colours no. *j*=750

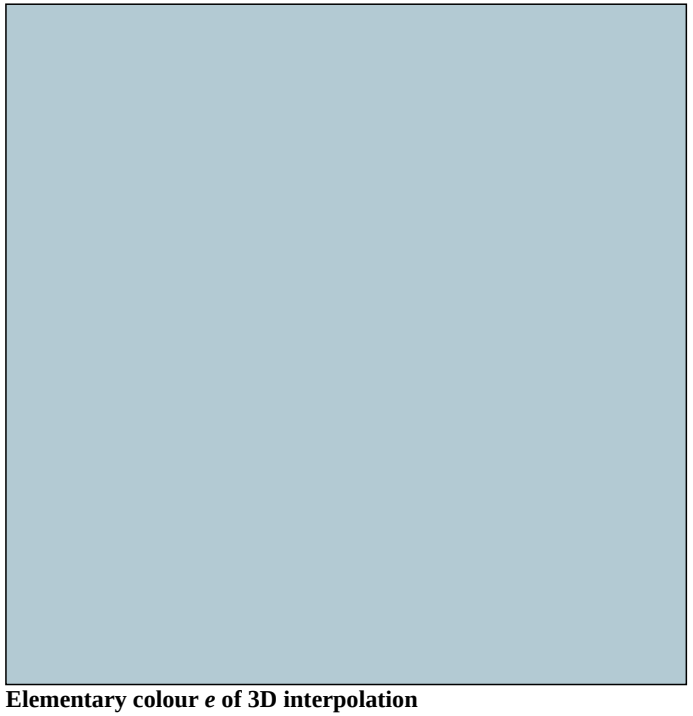
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.75	0.75	0.625	0.741	0.75	0.701	0.793	0.826
$rgb^*_{Fa,\ 8bit}$	159	191	191	159	189	191	179	202	211
L^*, C^*_{ab}, h_{ab}	70.5	7.7	194.4	74.1	5.5	217.0	76.3	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−it:	7.3	7.3	

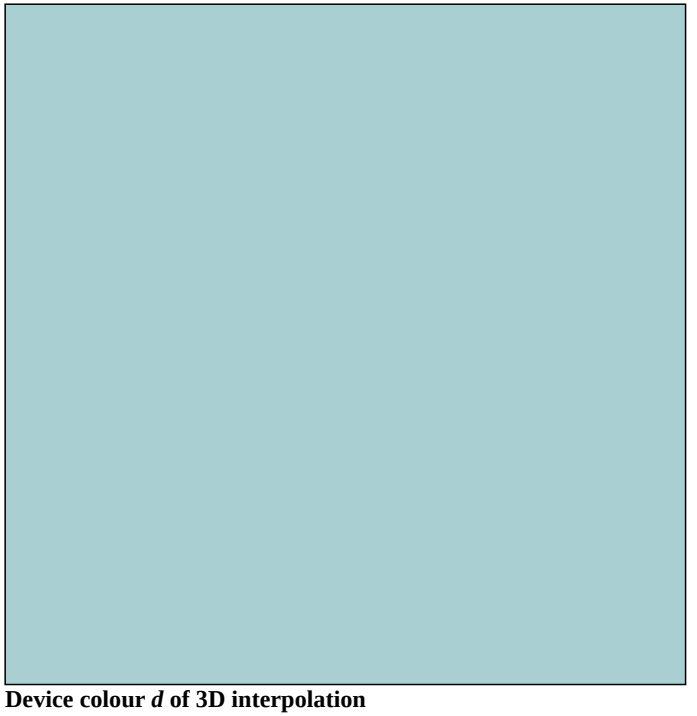
3 Colours no. *j*=750

output of the device colour *d*:

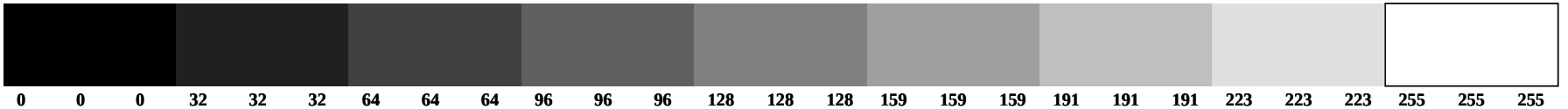
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.75	0.75	0.625	0.75	0.704	0.666	0.811	0.828
$olv^*_{Fa,\ 8bit}$	159	191	191	159	191	179	170	207	211
L^*, C^*_{ab}, h_{ab}	70.5	7.7	194.4	74.7	9.1	196.7	79.4	7.9	192.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.4	4.4	3D−in:	8.9	8.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
751	0.5	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	72.2	10.9	217.0	−8.6	−6.5	0.25	0.25	g50b	c08v		0.0	0.925	1.0	0.5	0.731	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
751	0.5	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	73.4	18.2	196.7	−17.3	−5.1	0.25	0.25	g31b	c00v		0.0	1.0	0.63	0.5	0.75	0.658

3 Colours no. *j*=751

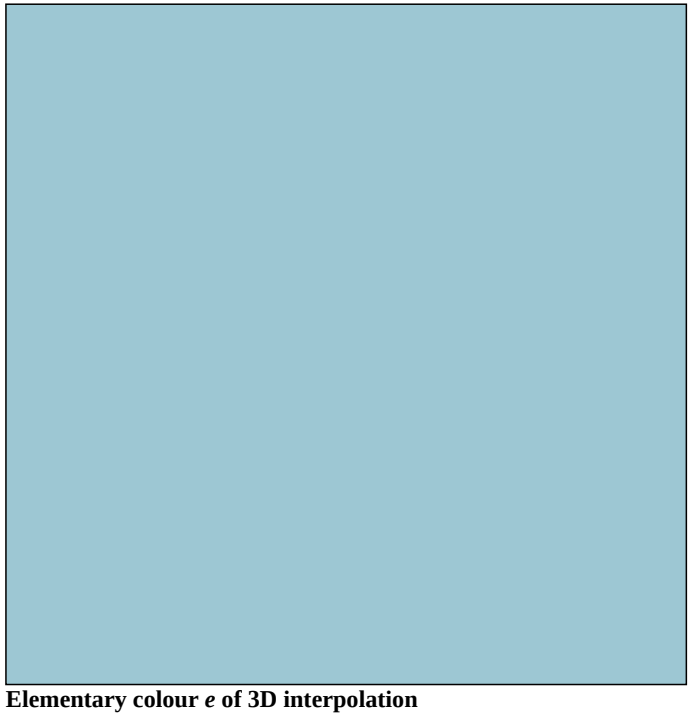
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.75	0.75	0.5	0.731	0.75	0.614	0.781	0.827
$rgb^*_{Fa,\ 8bit}$	128	191	191	128	186	191	156	199	211
L^*, C^*_{ab}, h_{ab}	69.0	15.7	196.6	72.2	10.9	217.0	74.4	7.9	192.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−it:	5.4	5.4	

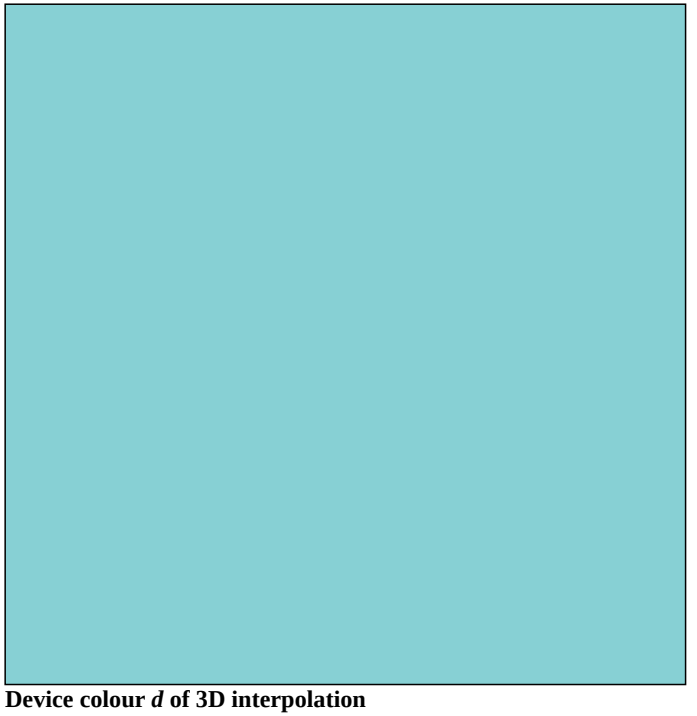
3 Colours no. *j*=751

output of the device colour *d*:

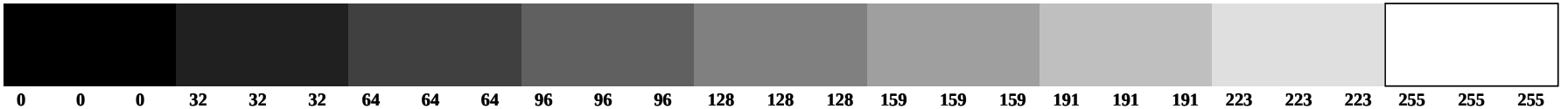
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.75	0.75	0.5	0.75	0.658	0.528	0.816	0.832
$olv^*_{Fa,\ 8bit}$	128	191	191	128	191	168	135	208	212
L^*, C^*_{ab}, h_{ab}	69.0	15.7	196.6	73.4	18.2	196.7	78.1	16.9	186.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−in:	9.6	9.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
752	0.375	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	70.3	16.4	217.0	−13.0	−9.7	0.25	0.375	g50b	c08v		0.0	0.925	1.0	0.375	0.722	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
752	0.375	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	72.2	27.3	196.7	−26.0	−7.8	0.25	0.375	g31b	c00v		0.0	1.0	0.63	0.375	0.75	0.611

3 Colours no. *j*=752

output of the elementary colour *e*:

rgb input (in):									
	0.375	0.75	0.75	0.375	0.722	0.75	0.514	0.767	0.829
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	96	191	191	96	184	191	131	196	211
L^*, C^*_{ab}, h_{ab}	67.7	22.9	196.6	70.3	16.4	217.0	72.0	11.7	201.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.8	9.8	3D−it:	6.2	6.2	

3 Colours no. *j*=752

output of the device colour *d*:

rgb input (in):									
	0.375	0.75	0.75	0.375	0.75	0.611	0.359	0.82	0.836
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	96	191	191	96	191	156	91	209	213
L^*, C^*_{ab}, h_{ab}	67.7	22.9	196.6	72.2	27.3	196.7	76.9	23.9	189.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−in:	9.7	9.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
753	0.25	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	68.4	21.8	217.0	−17.3	−13.0	0.25	0.5	g50b	c08v		0.0	0.925	1.0	0.25	0.712	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
753	0.25	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	70.9	36.4	196.7	−34.8	−10.4	0.25	0.5	g31b	c00v		0.0	1.0	0.63	0.25	0.75	0.565

3 Colours no. *j*=753

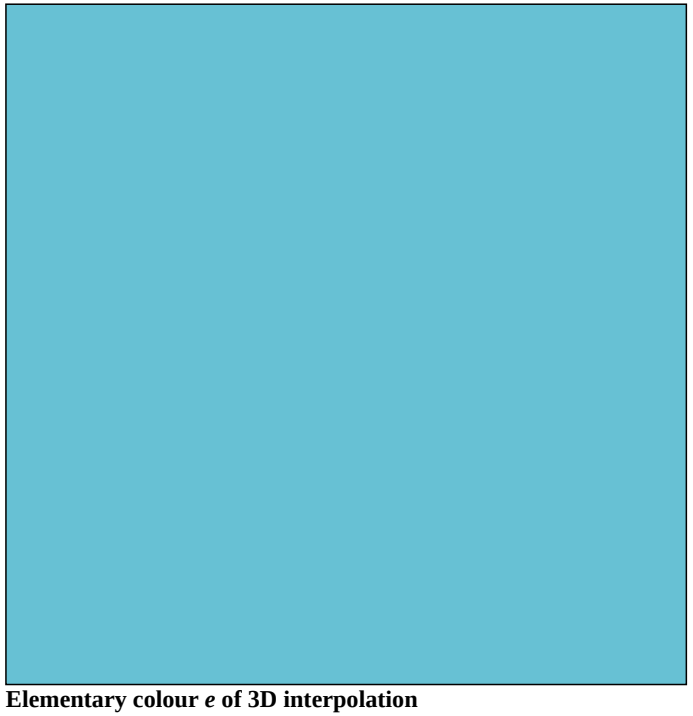
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.75	0.75	0.25	0.712	0.75	0.402	0.755	0.83
$rgb^*_{Fa,\ 8bit}$	64	191	191	64	182	191	103	192	212
L^*, C^*_{ab}, h_{ab}	66.7	28.9	196.7	68.4	21.8	217.0	68.8	17.8	206.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.5	11.5	3D−it:	5.5	5.5

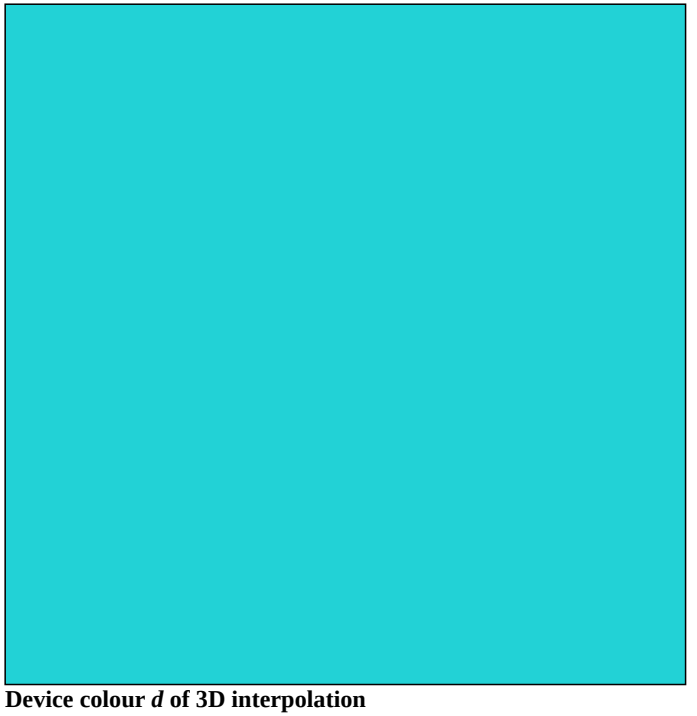
3 Colours no. *j*=753

output of the device colour *d*:

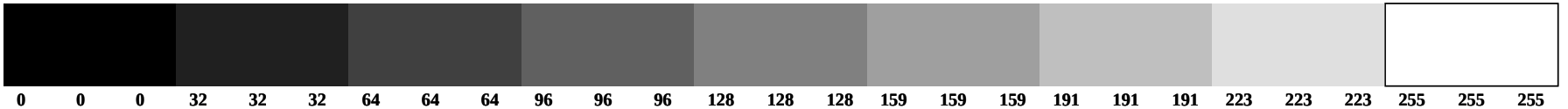
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.75	0.75	0.25	0.75	0.565	0.132	0.823	0.841
$olv^*_{Fa,\ 8bit}$	64	191	191	64	191	144	34	210	215
L^*, C^*_{ab}, h_{ab}	66.7	28.9	196.7	70.9	36.4	196.7	75.9	30.2	191.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.6	8.6	3D−in:	9.7	9.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
754	0.125	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	66.5	27.3	217.0	−21.7	−16.3	0.25	0.625	g50b	c08v		0.0	0.925	1.0	0.125	0.703	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
754	0.125	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	69.7	45.5	196.7	−43.5	−13.0	0.25	0.625	g31b	c00v		0.0	1.0	0.63	0.125	0.75	0.519

3 Colours no. *j*=754

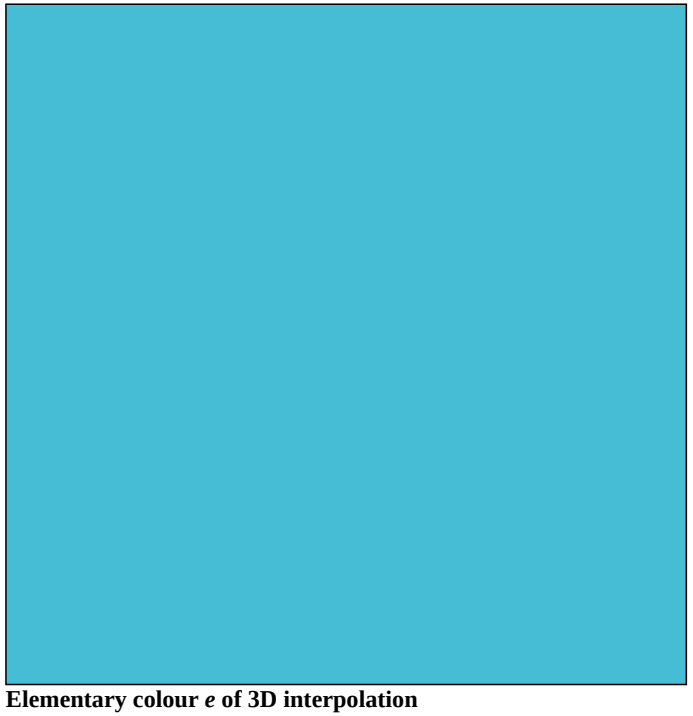
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.75	0.75	0.125	0.703	0.75	0.275	0.741	0.832
$rgb^*_{Fa,\ 8bit}$	32	191	191	32	179	191	70	189	212
L^*, C^*_{ab}, h_{ab}	65.8	34.1	196.6	66.5	27.3	217.0	67.0	25.0	210.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−it:	3.7	3.7	

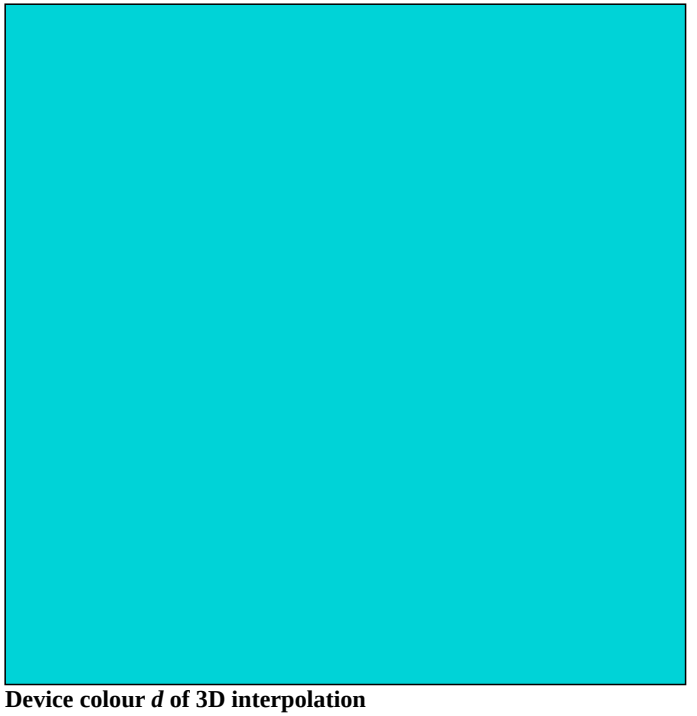
3 Colours no. *j*=754

output of the device colour *d*:

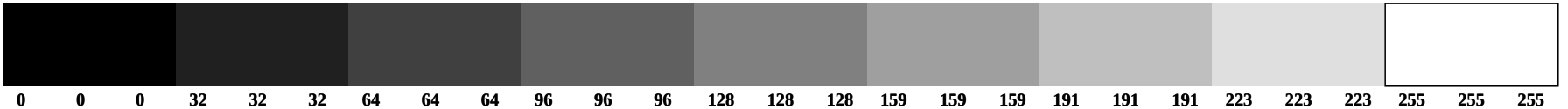
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.75	0.75	0.125	0.75	0.519	0.0	0.828	0.844
$olv^*_{Fa,\ 8bit}$	32	191	191	32	191	132	0	211	215
L^*, C^*_{ab}, h_{ab}	65.8	34.1	196.6	69.7	45.5	196.7	74.4	39.4	192.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−in:	10.5	10.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
755	0.0	0.75	0.75	210.0	80.3	43.6	217.0	−34.7	−26.1	64.7	32.7	217.0	−26.0	−19.6	0.25	0.75	g50b	c08v		0.0	0.925	1.0	0.0	0.694	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
755	0.0	0.75	0.75	210.0	85.3	72.8	196.7	−69.6	−20.8	68.4	54.6	196.7	−52.2	−15.6	0.25	0.75	g31b	c00v		0.0	1.0	0.63	0.0	0.75	0.472

3 Colours no. *j*=755

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.75	0.75	0.0	0.694	0.75	0.103	0.726	0.834
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	191	191	0	177	191	26	185	213
L^*, C^*_{ab}, h_{ab}	65.4	36.1	196.8	64.7	32.7	217.0	66.2	31.5	214.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−it:	2.4	2.4	

3 Colours no. *j*=755

output of the device colour *d*:

rgb input (in):									
	0.0	0.75	0.75	0.0	0.75	0.472	0.0	0.875	0.875
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	191	191	0	191	120	0	223	223
L^*, C^*_{ab}, h_{ab}	65.4	36.1	196.8	68.4	54.6	196.7	74.4	39.4	192.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.8	18.8	3D−in:	10.1	10.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
756	1.0	0.625	0.625	30.0	52.7	81.3	25.5	73.4	35.0	79.4	30.5	25.5	27.5	13.1	0.0	0.375	b99r	m81o		1.0	0.0	0.189	1.0	0.625	0.696
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
756	1.0	0.625	0.625	30.0	55.6	86.2	38.2	67.8	53.3	80.5	32.3	38.2	25.4	20.0	0.0	0.375	r19j	m100o		1.0	0.19	0.0	1.0	0.696	0.625

3 Colours no. *j*=756

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.625	0.625	1.0	0.625	0.696	1.0	0.75	0.75
$rgb^*_{Fa,\ 8bit}$	255	159	159	255	159	177	255	191	191
L^*, C^*_{ab}, h_{ab}	72.3	35.4	22.4	79.4	30.5	25.5	81.0	35.5	25.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.8	8.8	3D−it:	5.2	5.2

3 Colours no. *j*=756

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.625	0.625	1.0	0.696	0.625	1.0	0.75	0.625
$olv^*_{Fa,\ 8bit}$	255	159	159	255	178	159	255	191	159
L^*, C^*_{ab}, h_{ab}	72.3	35.4	22.4	80.5	32.3	38.2	83.6	37.3	35.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.8	12.8	3D−in:	14.2	14.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
757	0.875	0.625	0.625	30.0	52.7	81.3	25.5	73.4	35.0	75.0	20.3	25.5	18.3	8.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
757	0.875	0.625	0.625	30.0	55.6	86.2	38.2	67.8	53.3	75.7	21.6	38.2	16.9	13.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.25	b99r	m81o		1.0	0.0	0.189	0.875	0.625	0.672
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.25	r19j	m100o		1.0	0.19	0.0	0.875	0.673	0.625

3 Colours no. *j*=757

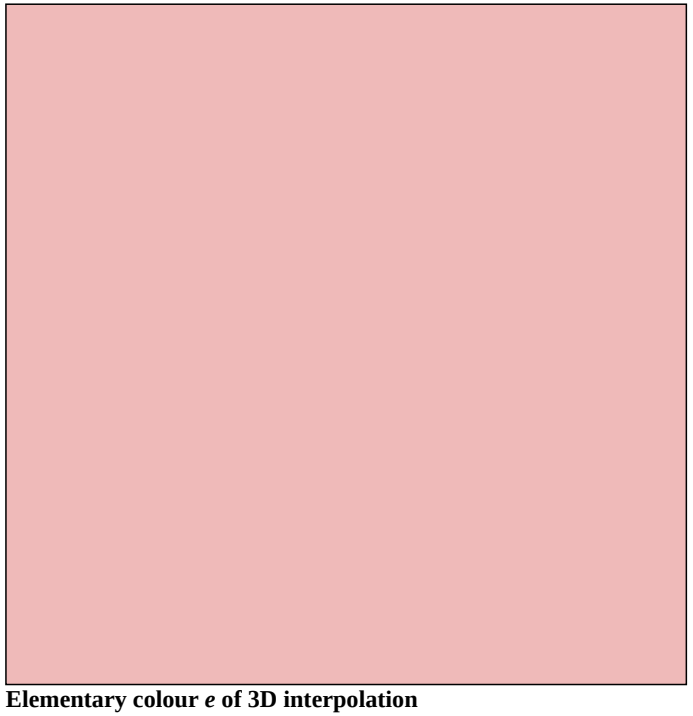
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.625	0.875	0.625	0.672	0.938	0.729	0.725
$rgb^*_{Fa,\ 8bit}$	223	159	159	223	159	171	239	186	185
L^*, C^*_{ab}, h_{ab}	68.4	21.1	19.4	75.0	20.3	25.5	77.8	25.5	25.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.0	7.0	3D−it:	5.9	5.9	

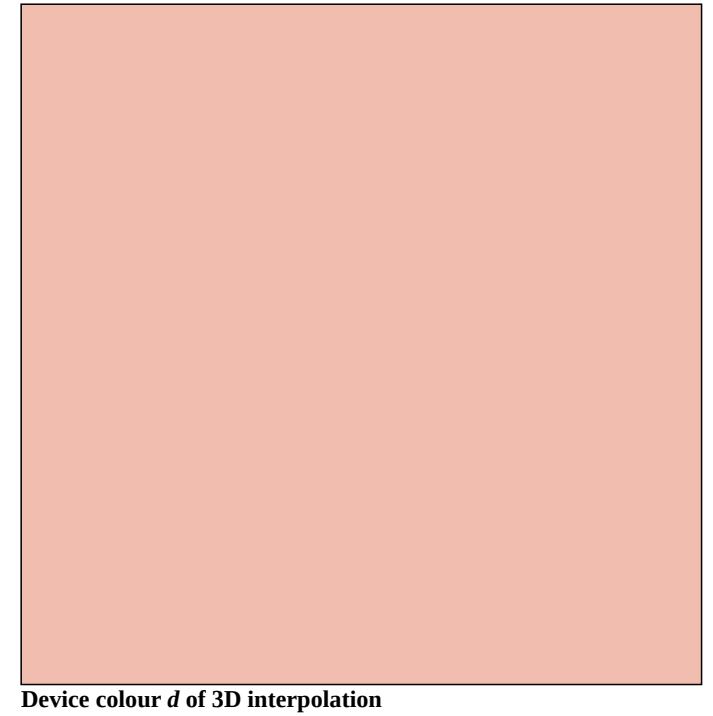
3 Colours no. *j*=757

output of the device colour *d*:

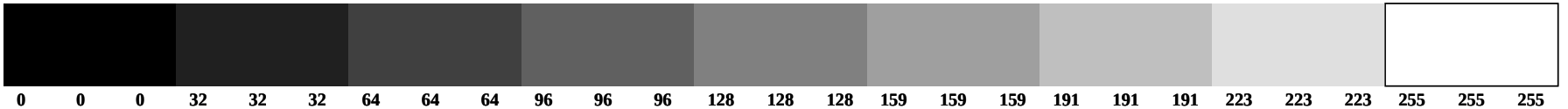
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.625	0.875	0.673	0.625	0.947	0.743	0.688
$olv^*_{Fa,\ 8bit}$	223	159	159	223	171	159	241	189	175
L^*, C^*_{ab}, h_{ab}	68.4	21.1	19.4	75.7	21.6	38.2	77.8	28.0	34.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	13.3	13.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
758	0.75	0.625	0.625	30.0	52.7	81.3	25.5	73.4	34.9	70.6	10.2	25.5	9.2	4.4	0.25	0.125	b99r	m81o		1.0	0.0	0.189	0.75	0.625	0.649
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
758	0.75	0.625	0.625	30.0	55.6	86.2	38.2	67.8	53.3	71.0	10.8	38.2	8.5	6.7	0.25	0.125	r19j	m100o		1.0	0.19	0.0	0.75	0.649	0.625

3 Colours no. *j*=758

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.625	0.625	0.75	0.625	0.649	0.813	0.702	0.697
$rgb^*_{Fa,\ 8bit}$	191	159	159	191	159	165	207	179	178
L^*, C^*_{ab}, h_{ab}	65.8	10.5	14.6	70.6	10.2	25.5	74.1	11.6	26.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	3.8	3.8	

3 Colours no. *j*=758

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.625	0.625	0.75	0.649	0.625	0.82	0.709	0.679
$olv^*_{Fa,\ 8bit}$	191	159	159	191	165	159	209	181	173
L^*, C^*_{ab}, h_{ab}	65.8	10.5	14.6	71.0	10.8	38.2	74.1	13.3	38.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	10.0	10.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 759/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
759	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
759	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=759

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.6	1.4	316.0	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−it:	3.4	3.4	

3 Colours no. *j*=759

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.6	1.4	316.0	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−in:	6.0	6.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
760	0.5	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
760	0.5	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.9

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
64.4	5.5	217.0	−4.3	−3.2
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
65.0	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.125	g50b	c08v		0.0	0.925	1.0	0.5	0.616	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.125	g31b	c00v		0.0	1.0	0.63	0.5	0.625	0.579

3 Colours no. *j*=760

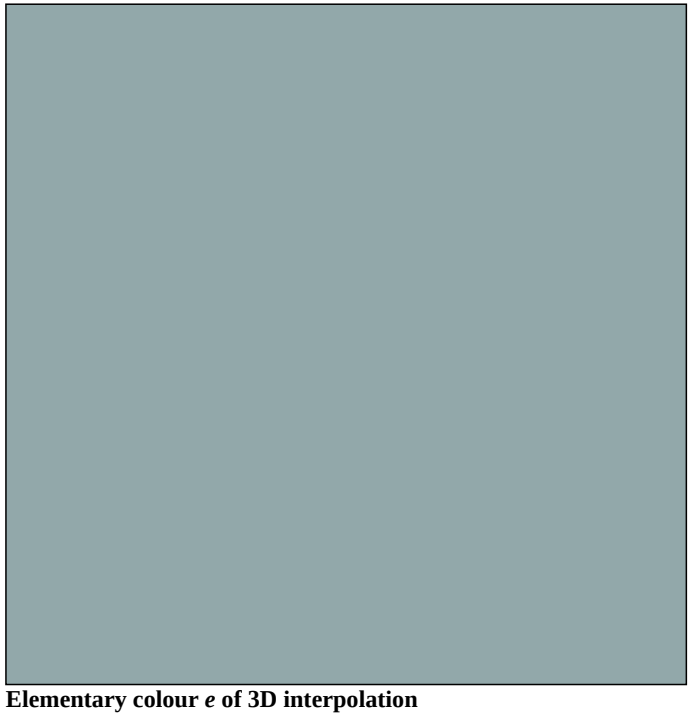
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.625	0.625	0.5	0.616	0.625	0.572	0.657	0.668
$rgb^*_{Fa,\ 8bit}$	128	159	159	128	157	159	146	168	170
L^*, C^*_{ab}, h_{ab}	61.8	8.2	208.8	64.4	5.5	217.0	67.3	3.1	242.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	4.2	4.2	

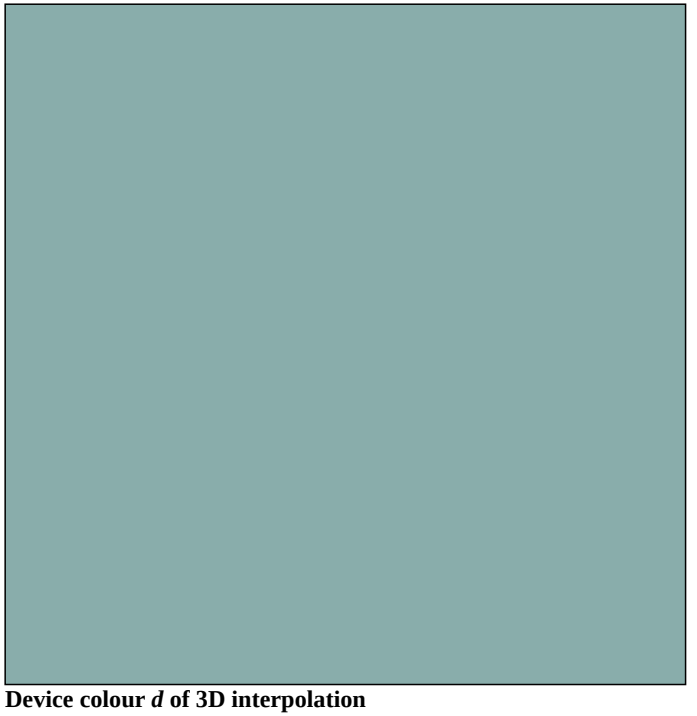
3 Colours no. *j*=760

output of the device colour *d*:

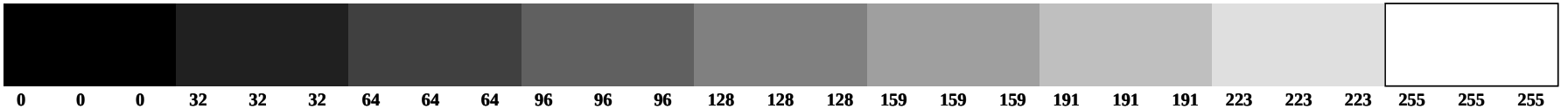
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.625	0.625	0.5	0.625	0.579	0.536	0.678	0.67
$olv^*_{Fa,\ 8bit}$	128	159	159	128	159	148	137	173	171
L^*, C^*_{ab}, h_{ab}	61.8	8.2	208.8	65.0	9.1	196.7	68.5	7.4	190.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	7.2	7.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
761	0.375	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	62.5	10.9	217.0	−8.6	−6.5	0.375	0.25	g50b	c08v		0.0	0.925	1.0	0.375	0.606	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
761	0.375	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	63.7	18.2	196.7	−17.3	−5.1	0.375	0.25	g31b	c00v		0.0	1.0	0.63	0.375	0.625	0.533

3 Colours no. *j*=761

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.625	0.375	0.606	0.625	0.484	0.644	0.669
$rgb^*_{Fa,\ 8bit}$	96	159	159	96	155	159	123	164	171
L^*, C^*_{ab}, h_{ab}	60.3	16.2	203.8	62.5	10.9	217.0	63.5	8.2	207.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.5	6.5	3D−it:	3.2	3.2

3 Colours no. *j*=761

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.625	0.375	0.625	0.533	0.398	0.684	0.675
$olv^*_{Fa,\ 8bit}$	96	159	159	96	159	136	101	174	172
L^*, C^*_{ab}, h_{ab}	60.3	16.2	203.8	63.7	18.2	196.7	67.5	15.7	195.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.5	4.5	3D−in:	7.6	7.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
762	0.25	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	60.6	16.4	217.0	−13.0	−9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
762	0.25	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	62.5	27.3	196.7	−26.0	−7.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.375	g50b	c08v		0.0	0.925	1.0	0.25	0.597	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.375	g31b	c00v		0.0	1.0	0.63	0.25	0.625	0.486

3 Colours no. *j*=762

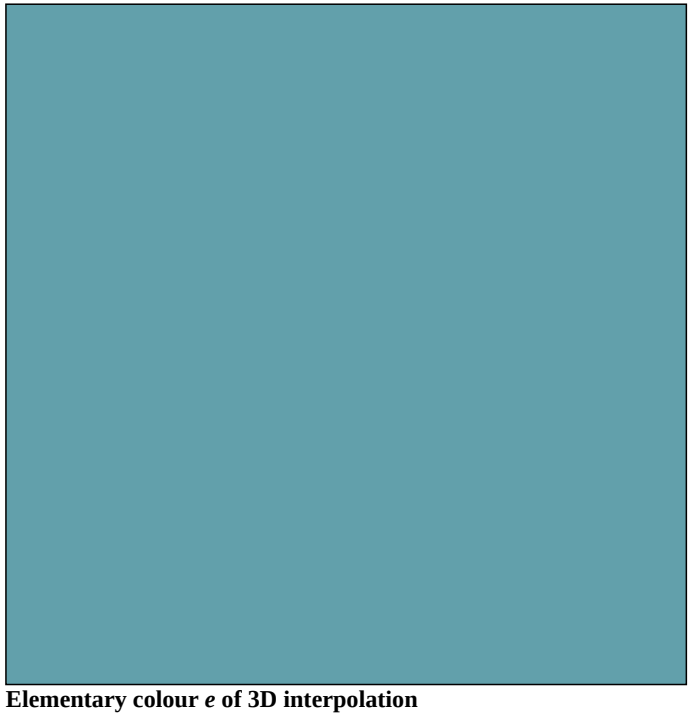
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	0.625	0.25	0.597	0.625	0.385	0.629	0.671
$rgb^*_{Fa,\ 8bit}$	64	159	159	64	152	159	98	160	171
L^*, C^*_{ab}, h_{ab}	59.0	23.1	201.8	60.6	16.4	217.0	61.2	12.7	209.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−it:	4.1	4.1	

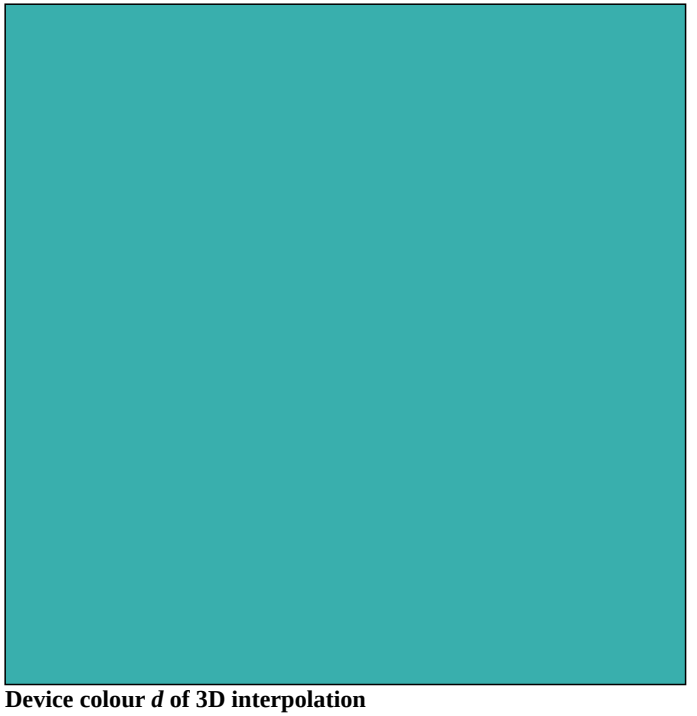
3 Colours no. *j*=762

output of the device colour *d*:

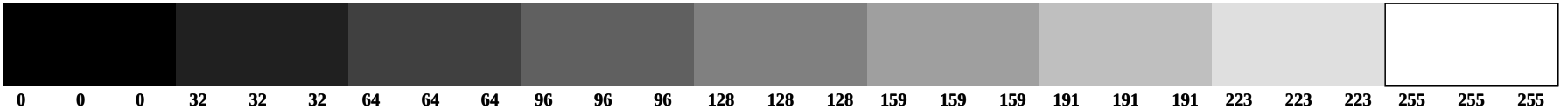
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	0.625	0.25	0.625	0.486	0.225	0.688	0.68
$olv^*_{Fa,\ 8bit}$	64	159	159	64	159	124	57	176	173
L^*, C^*_{ab}, h_{ab}	59.0	23.1	201.8	62.5	27.3	196.7	66.3	25.6	197.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.9	5.9	3D−in:	7.9	7.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
763	0.125	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	58.7	21.8	217.0	−17.3	−13.0	0.375	0.5	g50b	c08v		0.0	0.925	1.0	0.125	0.587	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
763	0.125	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	61.2	36.4	196.7	−34.8	−10.4	0.375	0.5	g31b	c00v		0.0	1.0	0.63	0.125	0.625	0.44

3 Colours no. *j*=763

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.625	0.125	0.587	0.625	0.272	0.615	0.674
$rgb^*_{Fa,\ 8bit}$	32	159	159	32	150	159	69	157	172
L^*, C^*_{ab}, h_{ab}	58.0	29.0	200.8	58.7	21.8	217.0	59.3	17.3	203.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−it:	6.4	6.4	

3 Colours no. *j*=763

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.625	0.125	0.625	0.44	0.0	0.693	0.684
$olv^*_{Fa,\ 8bit}$	32	159	159	32	159	112	0	177	175
L^*, C^*_{ab}, h_{ab}	58.0	29.0	200.8	61.2	36.4	196.7	65.1	36.2	196.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−in:	10.4	10.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
764	0.0	0.625	0.625	210.0	80.3	43.6	217.0	−34.7	−26.1	56.8	27.3	217.0	−21.7	−16.3	0.375	0.625	g50b	c08v		0.0	0.925	1.0	0.0	0.578	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
764	0.0	0.625	0.625	210.0	85.3	72.8	196.7	−69.6	−20.8	59.9	45.5	196.7	−43.5	−13.0	0.375	0.625	g31b	c00v		0.0	1.0	0.63	0.0	0.625	0.394

3 Colours no. *j*=764

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.625	0.625	0.0	0.578	0.625	0.14	0.6	0.674
$rgb^*_{Fa,\ 8bit}$	0	159	159	0	147	159	36	153	172
L^*, C^*_{ab}, h_{ab}	57.5	31.7	200.7	56.8	27.3	217.0	58.4	24.0	209.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.5	9.5	3D−it:	4.9	4.9	

3 Colours no. *j*=764

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.625	0.625	0.0	0.625	0.394	0.0	0.75	0.75
$olv^*_{Fa,\ 8bit}$	0	159	159	0	159	100	0	191	191
L^*, C^*_{ab}, h_{ab}	57.5	31.7	200.7	59.9	45.5	196.7	65.1	36.2	196.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.3	14.3	3D−in:	9.2	9.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
765	1.0	0.5	0.5	30.0	52.7	81.3	25.5	73.4	35.0	74.0	40.7	25.5	36.7	17.5	0.0	0.5	b99r	m81o		1.0	0.0	0.189	1.0	0.5	0.594
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
765	1.0	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	75.5	43.1	38.2	33.9	26.6	0.0	0.5	r19j	m100o		1.0	0.19	0.0	1.0	0.595	0.5

3 Colours no. *j*=765

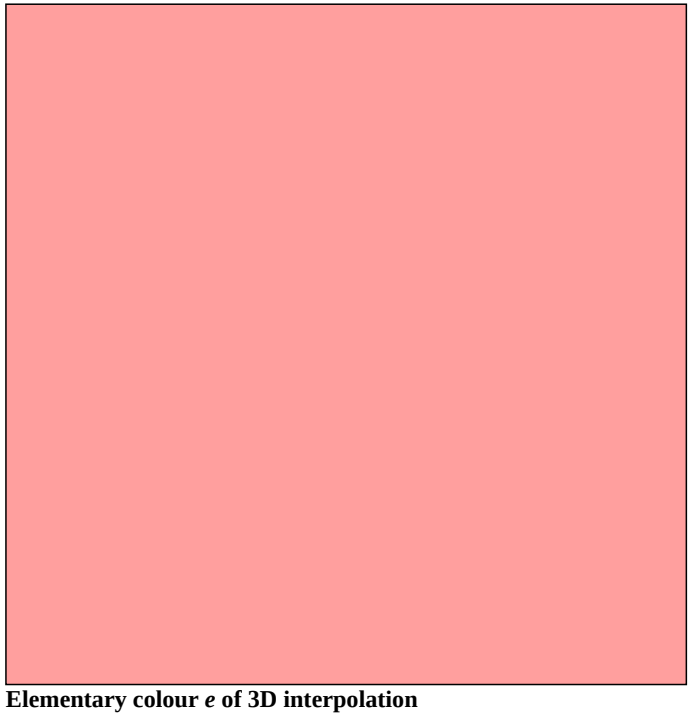
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	0.5	1.0	0.5	0.594	1.0	0.624	0.619
$rgb^*_{Fa,\ 8bit}$	255	128	128	255	128	152	255	159	158
L^*, C^*_{ab}, h_{ab}	67.3	45.3	23.1	74.0	40.7	25.5	76.1	45.8	27.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.4	8.4	3D−it:	5.8	5.8

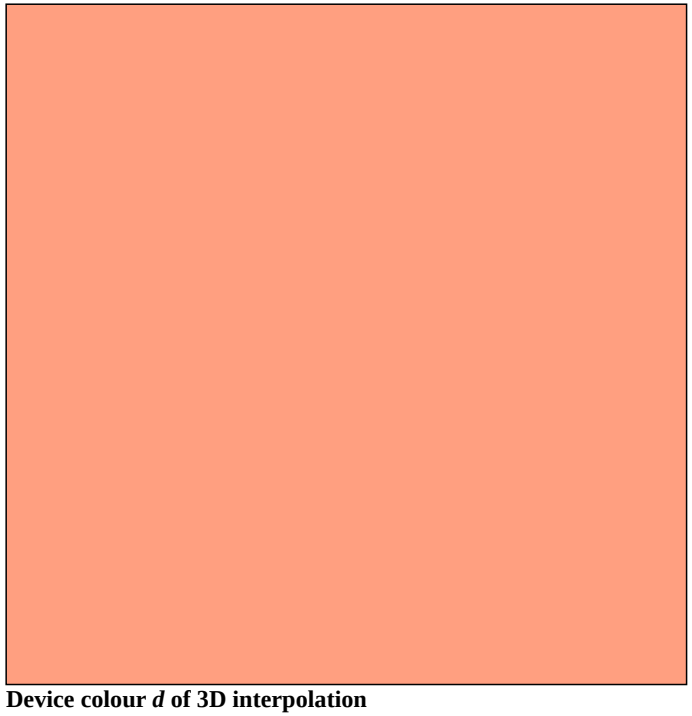
3 Colours no. *j*=765

output of the device colour *d*:

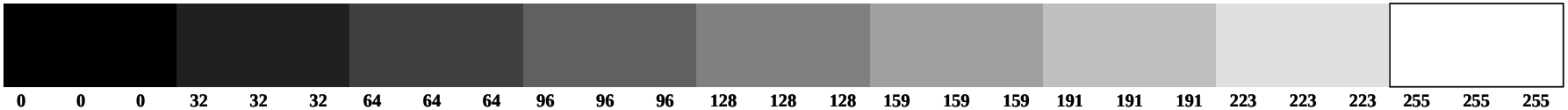
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	0.5	1.0	0.595	0.5	1.0	0.625	0.5
$olv^*_{Fa,\ 8bit}$	255	128	128	255	152	128	255	159	128
L^*, C^*_{ab}, h_{ab}	67.3	45.3	23.1	75.5	43.1	38.2	79.4	46.8	37.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.4	14.4	3D−in:	16.7	16.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
766	0.875	0.5	0.5	30.0	52.7	81.3	25.5	73.4	35.0	69.7	30.5	25.5	27.5	13.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
766	0.875	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	70.8	32.3	38.2	25.4	20.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.375	b99r	m81o		1.0	0.0	0.189	0.875	0.5	0.571
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.375	r19j	m100o		1.0	0.19	0.0	0.875	0.571	0.5

3 Colours no. *j*=766

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.5	0.875	0.5	0.571	0.945	0.613	0.592
$rgb^*_{Fa,\ 8bit}$	223	128	128	223	128	146	241	156	151
L^*, C^*_{ab}, h_{ab}	62.9	30.7	19.8	69.7	30.5	25.5	72.0	35.6	22.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−it:	5.8	5.8	

3 Colours no. *j*=766

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.5	0.875	0.571	0.5	0.956	0.635	0.538
$olv^*_{Fa,\ 8bit}$	223	128	128	223	146	128	244	162	137
L^*, C^*_{ab}, h_{ab}	62.9	30.7	19.8	70.8	32.3	38.2	77.4	37.3	35.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.9	12.9	3D−in:	18.5	18.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
767	0.75	0.5	0.5	30.0	52.7	81.3	25.5	73.4	35.0	65.3	20.3	25.5	18.3	8.7	0.25	0.25	b99r	m81o		1.0	0.0	0.189	0.75	0.5	0.547
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
767	0.75	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	66.0	21.6	38.2	16.9	13.3	0.25	0.25	r19j	m100o		1.0	0.19	0.0	0.75	0.548	0.5

3 Colours no. *j*=767

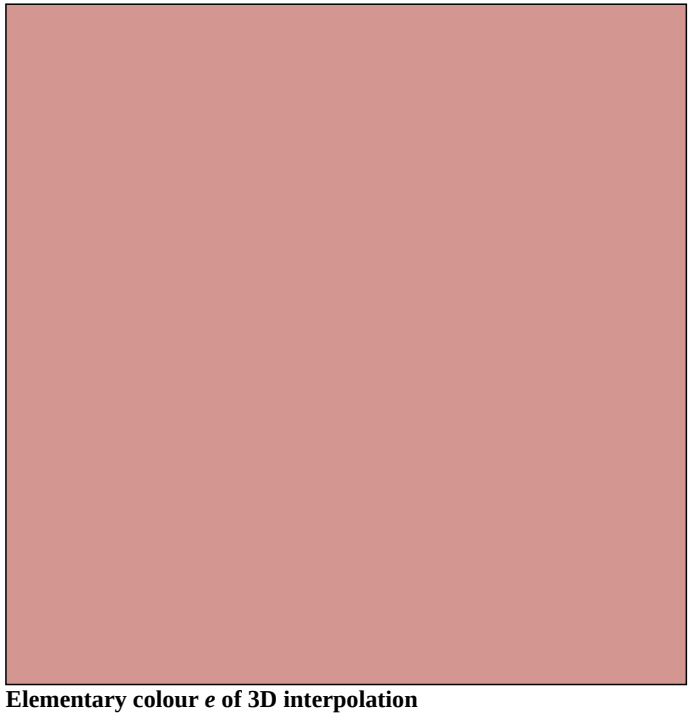
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.5	0.5	0.75	0.5	0.547	0.829	0.589	0.565
$rgb^*_{Fa,\ 8bit}$	191	128	128	191	128	140	211	150	144
L^*, C^*_{ab}, h_{ab}	59.9	19.7	16.1	65.3	20.3	25.5	67.9	22.4	27.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	3.4	3.4	

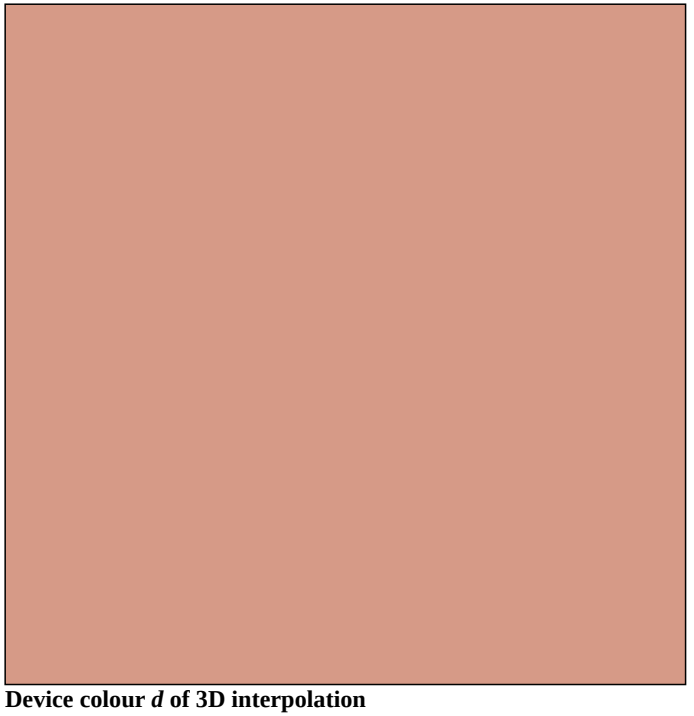
3 Colours no. *j*=767

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.5	0.5	0.75	0.548	0.5	0.84	0.603	0.53
$olv^*_{Fa,\ 8bit}$	191	128	128	191	140	128	214	154	135
L^*, C^*_{ab}, h_{ab}	59.9	19.7	16.1	66.0	21.6	38.2	67.5	25.1	47.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	15.2	15.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
768	0.625	0.5	0.5	30.0	52.7	81.3	25.5	73.4	34.9	60.9	10.2	25.5	9.2	4.4	0.375	0.125	b99r	m81o		1.0	0.0	0.189	0.625	0.5	0.524
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
768	0.625	0.5	0.5	30.0	55.6	86.2	38.2	67.8	53.3	61.3	10.8	38.2	8.5	6.7	0.375	0.125	r19j	m100o		1.0	0.19	0.0	0.625	0.524	0.5

3 Colours no. *j*=768

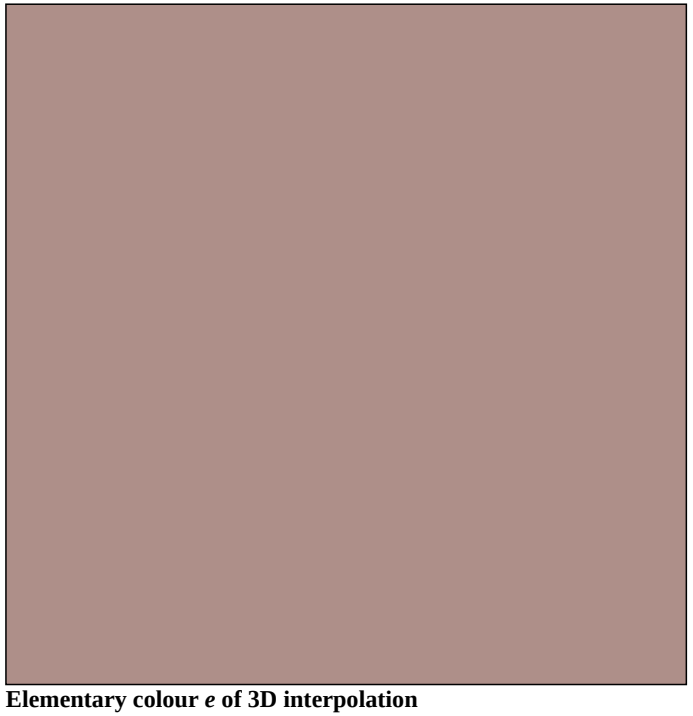
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	0.5	0.625	0.5	0.524	0.683	0.559	0.536
$rgb^*_{Fa,\ 8bit}$	159	128	128	159	128	134	174	143	137
L^*, C^*_{ab}, h_{ab}	57.3	9.5	7.1	60.9	10.2	25.5	65.3	11.8	30.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.8	4.8	3D−it:	4.8	4.8	

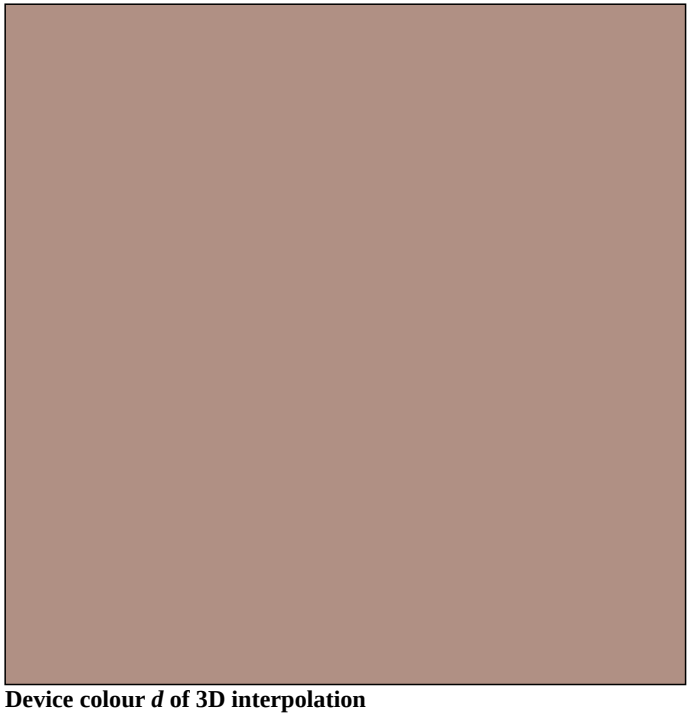
3 Colours no. *j*=768

output of the device colour *d*:

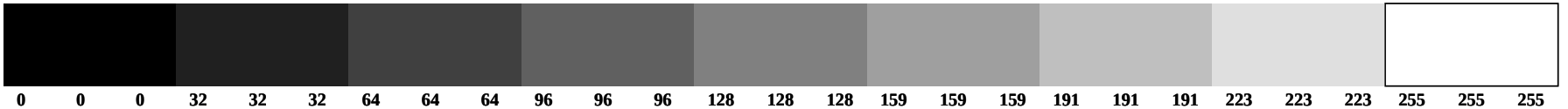
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	0.5	0.625	0.524	0.5	0.69	0.566	0.518
$olv^*_{Fa,\ 8bit}$	159	128	128	159	134	128	176	144	132
L^*, C^*_{ab}, h_{ab}	57.3	9.5	7.1	61.3	10.8	38.2	65.3	14.6	46.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	12.3	12.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
769	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
769	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=769

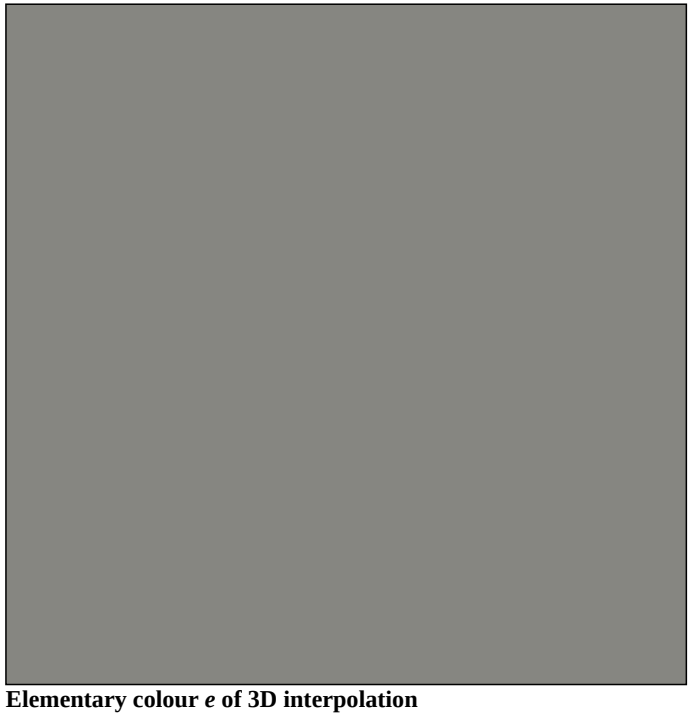
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	55.2	2.4	283.4	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	2.7	2.7	**3D−it:**	2.7	2.7	

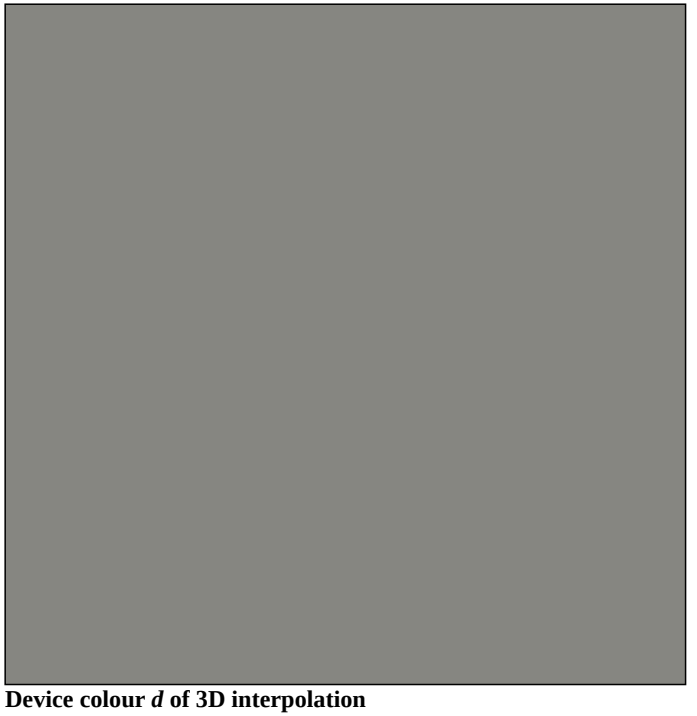
3 Colours no. *j*=769

output of the device colour *d*:

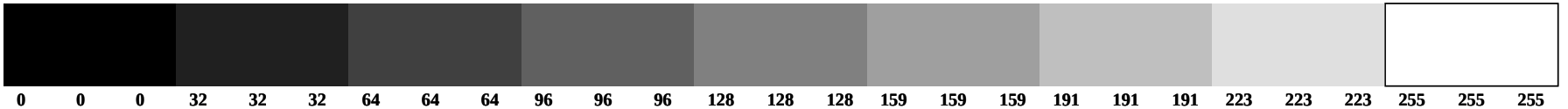
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	55.2	2.4	283.4	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	2.7	2.7	**3D−in:**	5.3	5.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
770	0.375	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	54.6	5.5	217.0	−4.3	−3.2	0.5	0.125	g50b	c08v		0.0	0.925	1.0	0.375	0.491	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
770	0.375	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.9	55.3	9.1	196.7	−8.6	−2.5	0.5	0.125	g31b	c00v		0.0	1.0	0.63	0.375	0.5	0.454

3 Colours no. *j*=770

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.5	0.5	0.375	0.491	0.5	0.442	0.513	0.508
$rgb^*_{Fa,\ 8bit}$	96	128	128	96	125	128	113	131	130
L^*, C^*_{ab}, h_{ab}	53.4	9.5	214.5	54.6	5.5	217.0	56.2	1.5	241.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.3	4.3	3D−it:	4.4	4.4	

3 Colours no. *j*=770

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.5	0.5	0.375	0.5	0.454	0.408	0.535	0.511
$olv^*_{Fa,\ 8bit}$	96	128	128	96	128	116	104	136	130
L^*, C^*_{ab}, h_{ab}	53.4	9.5	214.5	55.3	9.1	196.7	57.5	8.0	180.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.8	6.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
771	0.25	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	52.8	10.9	217.0	−8.6	−6.5	0.5	0.25	g50b	c08v		0.0	0.925	1.0	0.25	0.481	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
771	0.25	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.8	54.0	18.2	196.7	−17.3	−5.1	0.5	0.25	g31b	c00v		0.0	1.0	0.63	0.25	0.5	0.408

3 Colours no. *j*=771

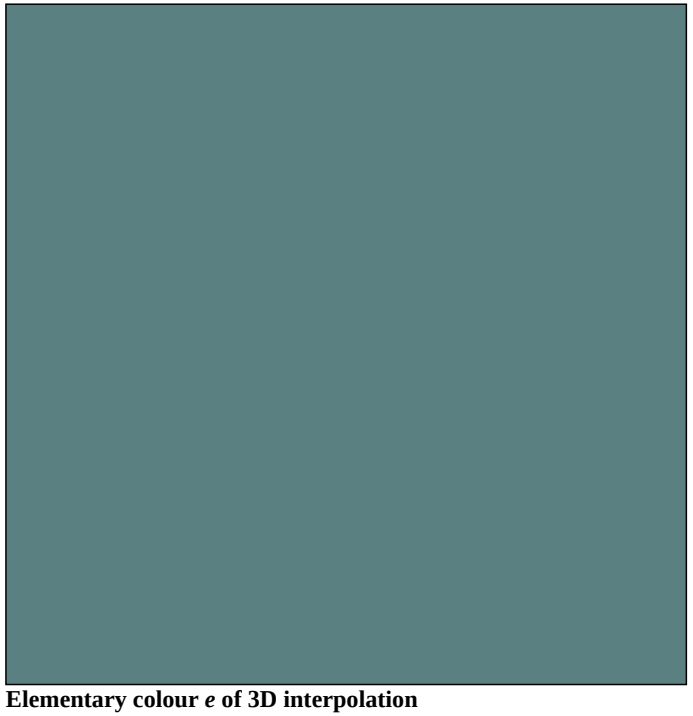
output of the elementary colour *e*:

rgb input (in):									
	0.25	0.5	0.5	0.25	0.481	0.5	0.355	0.5	0.51
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	128	128	64	123	128	90	128	130
L^*, C^*_{ab}, h_{ab}	51.9	17.3	207.3	52.8	10.9	217.0	53.1	9.5	213.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−it:	1.6	1.6	

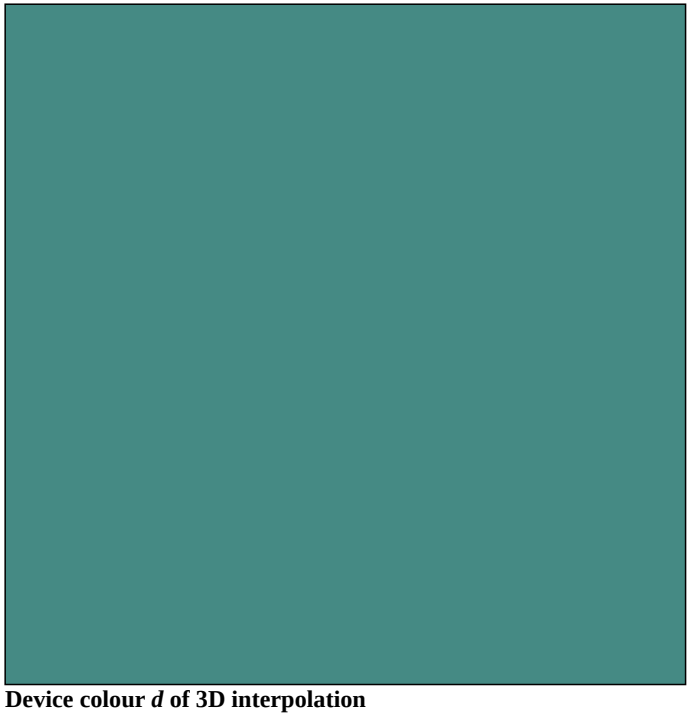
3 Colours no. *j*=771

output of the device colour *d*:

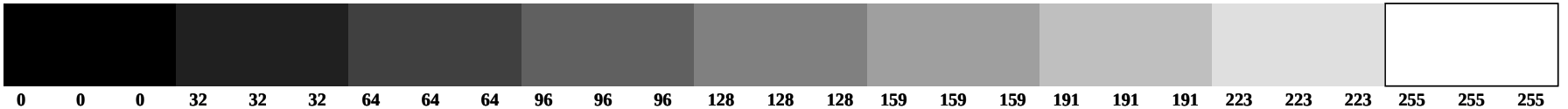
rgb input (in):									
	0.25	0.5	0.5	0.25	0.5	0.408	0.27	0.541	0.516
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	128	128	64	128	104	69	138	131
L^*, C^*_{ab}, h_{ab}	51.9	17.3	207.3	54.0	18.2	196.7	56.4	15.8	190.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	6.8	6.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
772	0.125	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	50.9	16.4	217.0	−13.0	−9.7	0.5	0.375	g50b	c08v		0.0	0.925	1.0	0.125	0.472	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
772	0.125	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.8	52.7	27.3	196.7	−26.0	−7.8	0.5	0.375	g31b	c00v		0.0	1.0	0.63	0.125	0.5	0.361

3 Colours no. *j*=772

output of the elementary colour *e*:

rgb input (in):									
	0.125	0.5	0.5	0.125	0.472	0.5	0.256	0.487	0.512
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	32	128	128	32	120	128	65	124	131
L^*, C^*_{ab}, h_{ab}	50.6	24.2	204.4	50.9	16.4	217.0	51.6	13.0	215.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−it:	3.4	3.4	

3 Colours no. *j*=772

output of the device colour *d*:

rgb input (in):									
	0.125	0.5	0.5	0.125	0.5	0.361	0.079	0.546	0.52
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	32	128	128	32	128	92	20	139	133
L^*, C^*_{ab}, h_{ab}	50.6	24.2	204.4	52.7	27.3	196.7	55.1	22.9	195.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−in:	5.9	5.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
773	0.0	0.5	0.5	210.0	80.3	43.6	217.0	−34.7	−26.1	49.0	21.8	217.0	−17.3	−13.0	0.5	0.5	g50b	c08v		0.0	0.925	1.0	0.0	0.462	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
773	0.0	0.5	0.5	210.0	85.3	72.8	196.7	−69.6	−20.8	51.5	36.4	196.7	−34.8	−10.4	0.5	0.5	g31b	c00v		0.0	1.0	0.63	0.0	0.5	0.315

3 Colours no. *j*=773

output of the elementary colour *e*:

rgb input (in):									
	0.0	0.5	0.5	0.0	0.462	0.5	0.145	0.474	0.514
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	128	128	0	118	128	37	121	131
L^*, C^*_{ab}, h_{ab}	50.0	27.3	203.7	49.0	21.8	217.0	51.6	17.3	206.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−it:	6.4	6.4	

3 Colours no. *j*=773

output of the device colour *d*:

rgb input (in):									
	0.0	0.5	0.5	0.0	0.5	0.315	0.0	0.55	0.502
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	128	128	0	128	80	0	140	128
L^*, C^*_{ab}, h_{ab}	50.0	27.3	203.7	51.5	36.4	196.7	57.7	29.1	200.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	8.1	8.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
774	1.0	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	68.7	50.8	25.5	45.9	21.9	0.0	0.625	b99r	m81o		1.0	0.0	0.189	1.0	0.375	0.493
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
774	1.0	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	70.5	53.9	38.2	42.3	33.3	0.0	0.625	r19j	m100o		1.0	0.19	0.0	1.0	0.494	0.375

3 Colours no. *j*=774

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	0.375	1.0	0.375	0.493	1.0	0.502	0.494
$rgb^*_{Fa,\ 8bit}$	255	96	96	255	96	126	255	128	126
L^*, C^*_{ab}, h_{ab}	62.4	56.2	25.1	68.7	50.8	25.5	70.5	56.1	27.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.3	8.3	3D−it:	5.8	5.8

3 Colours no. *j*=774

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	0.375	1.0	0.494	0.375	1.0	0.5	0.375
$olv^*_{Fa,\ 8bit}$	255	96	96	255	126	96	255	128	96
L^*, C^*_{ab}, h_{ab}	62.4	56.2	25.1	70.5	53.9	38.2	74.5	57.8	38.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.1	15.1	3D−in:	18.1	18.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
775	0.875	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	64.3	40.7	25.5	36.7	17.5	0.125	0.5	b99r	m81o		1.0	0.0	0.189	0.875	0.375	0.469
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
775	0.875	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	65.8	43.1	38.2	33.9	26.6	0.125	0.5	r19j	m100o		1.0	0.19	0.0	0.875	0.47	0.375

3 Colours no. *j*=775

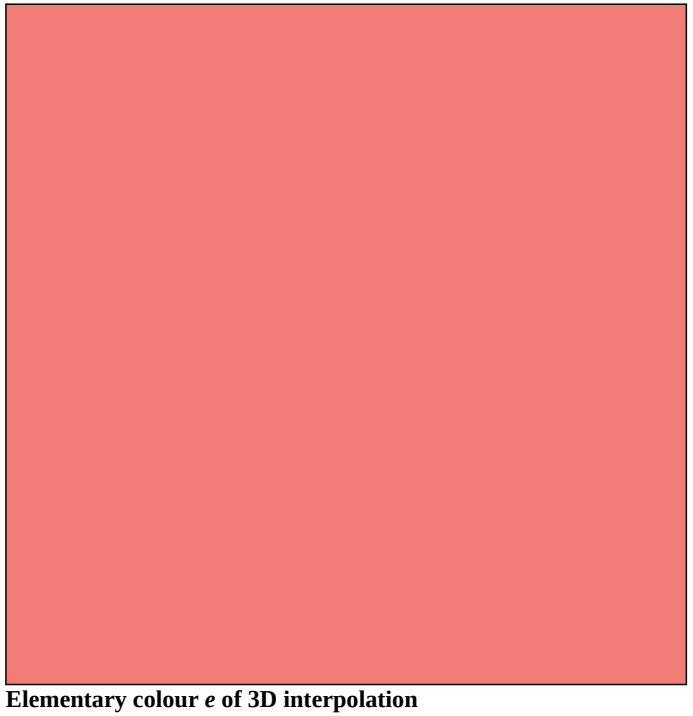
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.375	0.875	0.375	0.469	0.944	0.489	0.467
$rgb^*_{Fa,\ 8bit}$	223	96	96	223	96	120	241	125	119
L^*, C^*_{ab}, h_{ab}	57.4	41.1	22.5	64.3	40.7	25.5	66.9	45.5	23.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−it:	5.8	5.8	

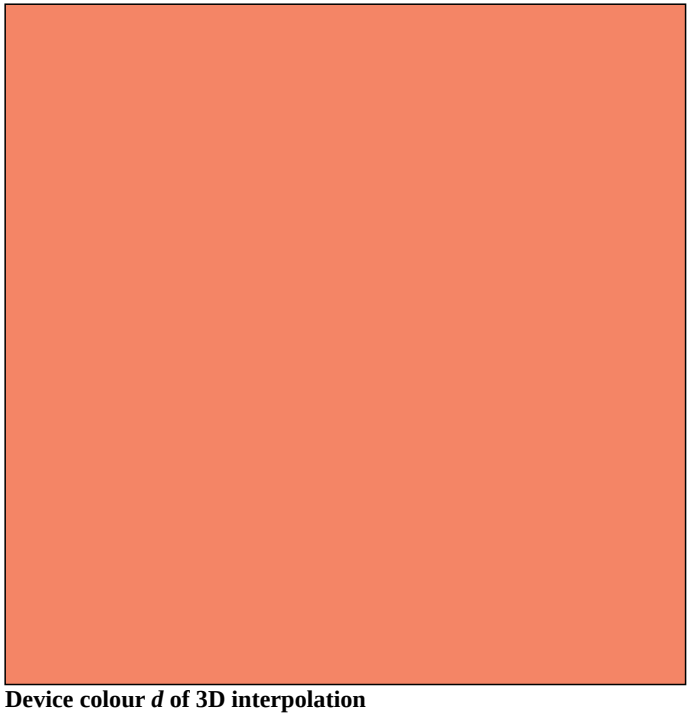
3 Colours no. *j*=775

output of the device colour *d*:

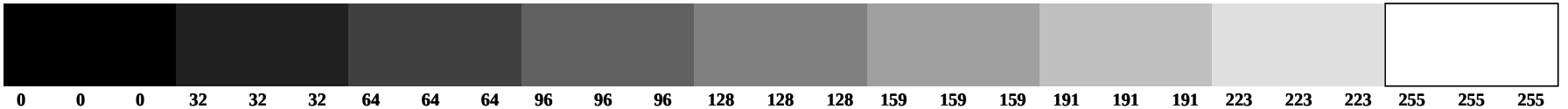
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.375	0.875	0.47	0.375	0.958	0.52	0.401
$olv^*_{Fa,\ 8bit}$	223	96	96	223	120	96	244	132	102
L^*, C^*_{ab}, h_{ab}	57.4	41.1	22.5	65.8	43.1	38.2	71.6	46.8	37.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−in:	19.0	19.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
776	0.75	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	59.9	30.5	25.5	27.5	13.1	0.25	0.375	b99r	m81o		1.0	0.0	0.189	0.75	0.375	0.446
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
776	0.75	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	61.0	32.3	38.2	25.4	20.0	0.25	0.375	r19j	m100o		1.0	0.19	0.0	0.75	0.446	0.375

3 Colours no. *j*=776

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.375	0.75	0.375	0.446	0.834	0.47	0.441
$rgb^*_{Fa,\ 8bit}$	191	96	96	191	96	114	213	120	112
L^*, C^*_{ab}, h_{ab}	54.0	30.3	18.9	59.9	30.5	25.5	62.4	33.3	28.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	4.0	4.0	

3 Colours no. *j*=776

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.375	0.75	0.446	0.375	0.849	0.492	0.392
$olv^*_{Fa,\ 8bit}$	191	96	96	191	114	96	217	125	100
L^*, C^*_{ab}, h_{ab}	54.0	30.3	18.9	61.0	32.3	38.2	62.0	35.0	41.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−in:	15.8	15.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
777	0.625	0.375	0.375	30.0	52.7	81.3	25.5	73.4	35.0	55.6	20.3	25.5	18.3	8.7	0.375	0.25	b99r	m81o		1.0	0.0	0.189	0.625	0.375	0.422
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
777	0.625	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	56.3	21.6	38.2	16.9	13.3	0.375	0.25	r19j	m100o		1.0	0.19	0.0	0.625	0.423	0.375

3 Colours no. *j*=777

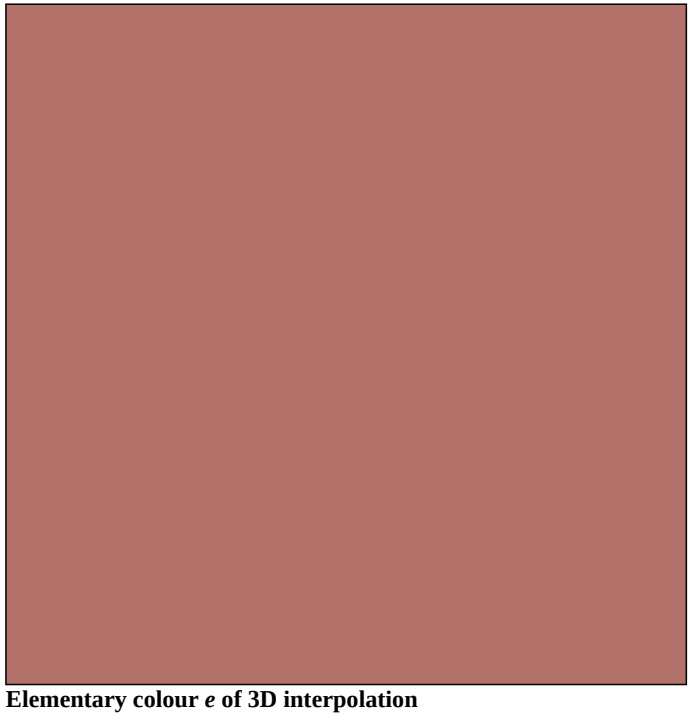
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.375	0.625	0.375	0.422	0.697	0.446	0.415
$rgb^*_{Fa,\ 8bit}$	159	96	96	159	96	108	178	114	106
L^*, C^*_{ab}, h_{ab}	50.9	19.5	13.9	55.6	20.3	25.5	59.4	22.4	32.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−it:	5.0	5.0	

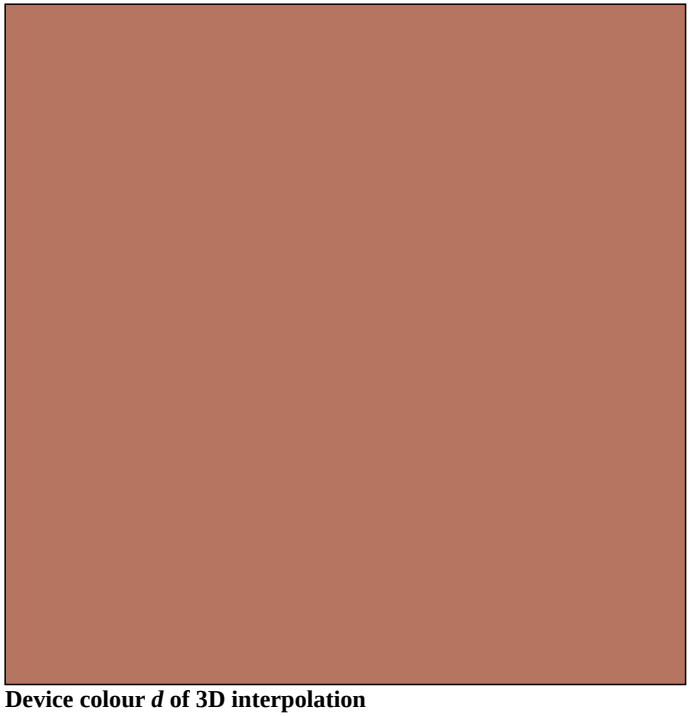
3 Colours no. *j*=777

output of the device colour *d*:

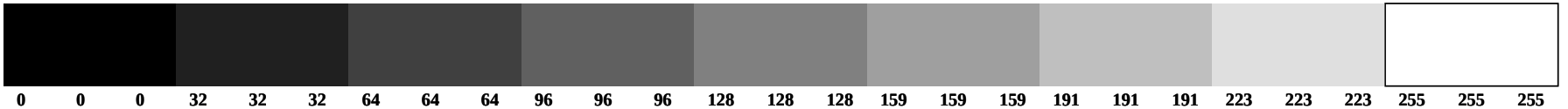
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.375	0.625	0.423	0.375	0.708	0.459	0.382
$olv^*_{Fa,\ 8bit}$	159	96	96	159	108	96	181	117	98
L^*, C^*_{ab}, h_{ab}	50.9	19.5	13.9	56.3	21.6	38.2	59.0	25.7	44.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−in:	15.7	15.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
778	0.5	0.375	0.375	30.0	52.7	81.3	25.5	73.4	34.9	51.2	10.2	25.5	9.2	4.4	0.5	0.125	b99r	m81o		1.0	0.0	0.189	0.5	0.375	0.399
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
778	0.5	0.375	0.375	30.0	55.6	86.2	38.2	67.8	53.3	51.6	10.8	38.2	8.5	6.7	0.5	0.125	r19j	m100o		1.0	0.19	0.0	0.5	0.399	0.375

3 Colours no. *j*=778

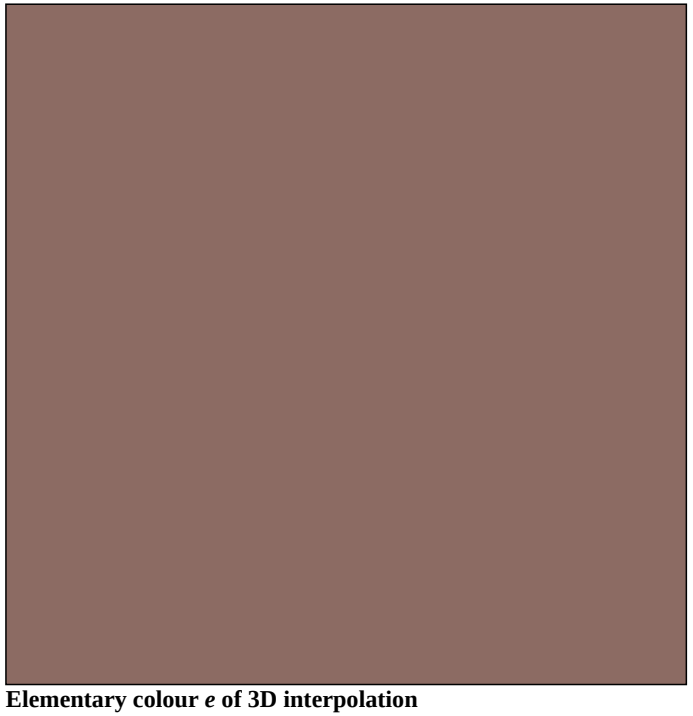
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.375	0.375	0.5	0.375	0.399	0.55	0.418	0.387
$rgb^*_{Fa,\ 8bit}$	128	96	96	128	96	102	140	107	99
L^*, C^*_{ab}, h_{ab}	48.4	9.8	2.4	51.2	10.2	25.5	54.3	12.6	40.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.9	4.9	3D−it:	4.9	4.9

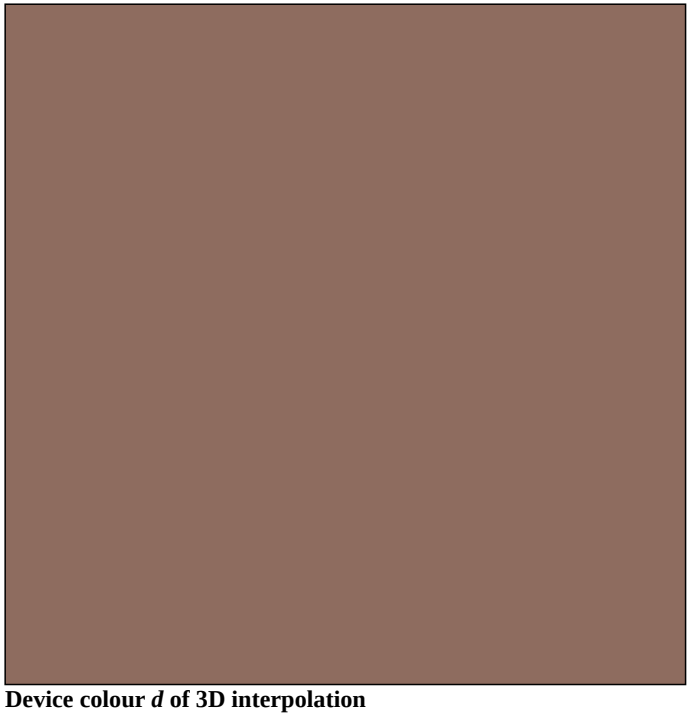
3 Colours no. *j*=778

output of the device colour *d*:

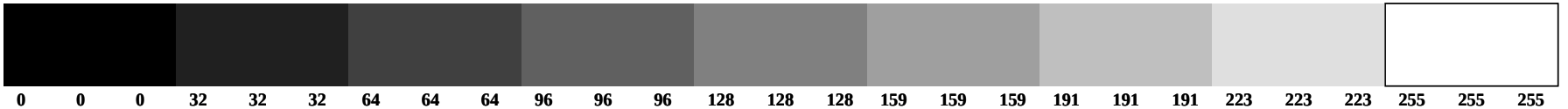
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.375	0.375	0.5	0.399	0.375	0.557	0.424	0.372
$olv^*_{Fa,\ 8bit}$	128	96	96	128	102	96	142	108	95
L^*, C^*_{ab}, h_{ab}	48.4	9.8	2.4	51.6	10.8	38.2	56.9	15.2	52.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.1	7.1	3D−in:	14.4	14.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
779	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0	0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
779	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0	0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=779

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	46.1	3.3	278.3	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.2	3.2	

3 Colours no. *j*=779

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	46.1	3.3	278.3	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	6.6	6.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
780	0.25	0.375	0.375	210.0	80.3	43.6	217.0	−34.7	−26.1	44.9	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
780	0.25	0.375	0.375	210.0	85.3	72.8	196.7	−69.6	−20.9	45.5	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.125	g50b	c08v		0.0	0.925	1.0	0.25	0.366	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.125	g31b	c00v		0.0	1.0	0.63	0.25	0.375	0.329

3 Colours no. *j*=780

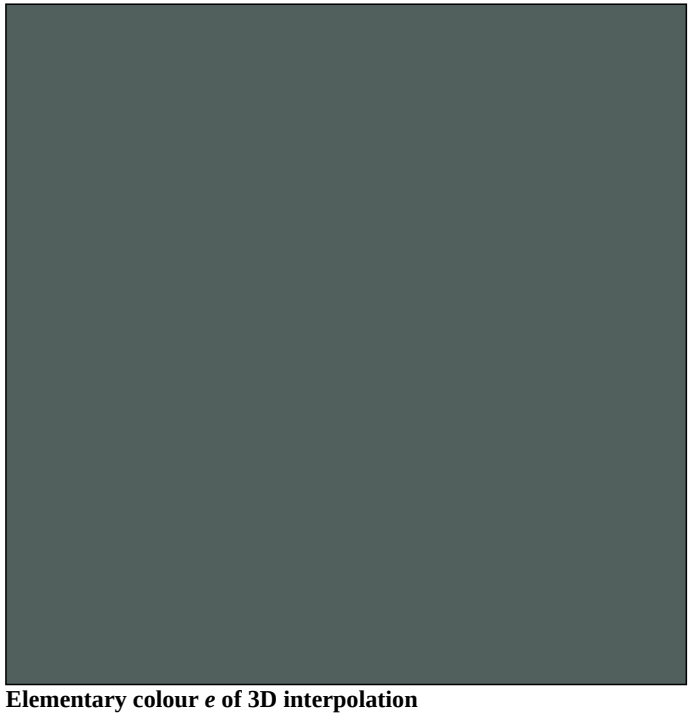
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.375	0.25	0.366	0.375	0.316	0.377	0.365
$rgb^*_{Fa,\ 8bit}$	64	96	96	64	93	96	81	96	93
L^*, C^*_{ab}, h_{ab}	44.3	10.3	218.1	44.9	5.5	217.0	45.8	3.1	273.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−it:	4.6	4.6	

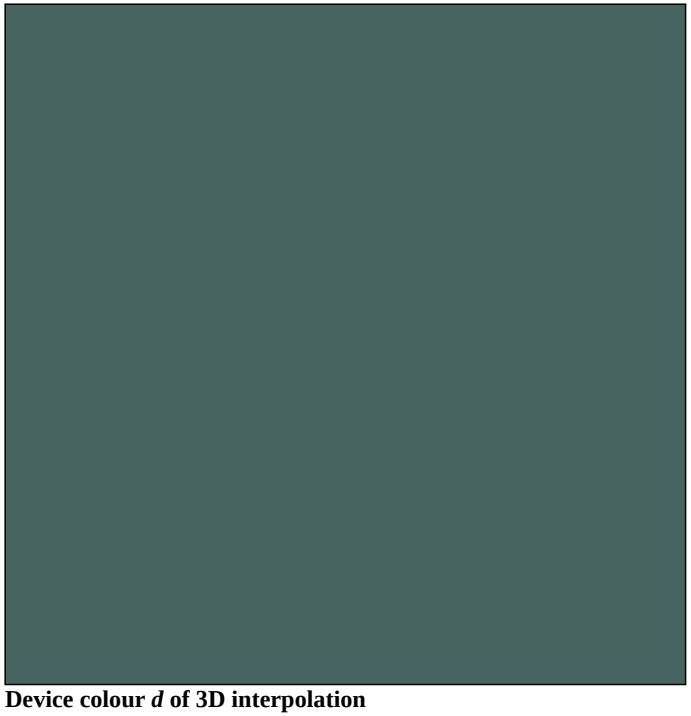
3 Colours no. *j*=780

output of the device colour *d*:

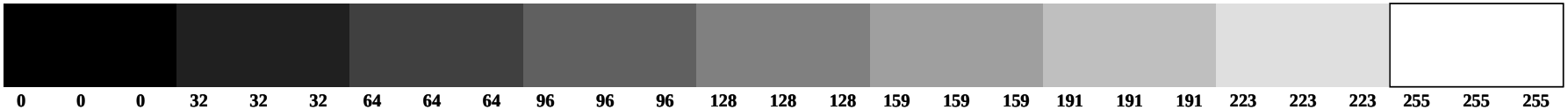
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.375	0.25	0.375	0.329	0.278	0.398	0.368
$olv^*_{Fa,\ 8bit}$	64	96	96	64	96	84	71	101	94
L^*, C^*_{ab}, h_{ab}	44.3	10.3	218.1	45.5	9.1	196.7	47.1	8.2	173.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	7.9	7.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
781	0.125	0.375	0.375	210.0	80.3	43.6	217.0	−34.7	−26.1	43.0	10.9	217.0	−8.6	−6.5	0.625	0.25	g50b	c08v		0.0	0.925	1.0	0.125	0.356	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
781	0.125	0.375	0.375	210.0	85.3	72.8	196.7	−69.6	−20.8	44.3	18.2	196.7	−17.3	−5.1	0.625	0.25	g31b	c00v		0.0	1.0	0.63	0.125	0.375	0.283

3 Colours no. *j*=781

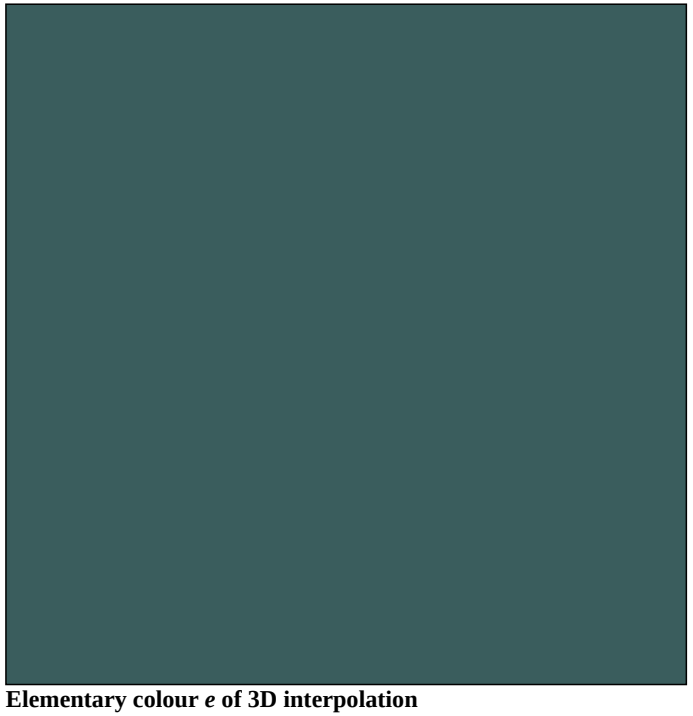
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.375	0.125	0.356	0.375	0.229	0.365	0.366
$rgb^*_{Fa,\ 8bit}$	32	96	96	32	91	96	58	93	93
L^*, C^*_{ab}, h_{ab}	42.7	18.3	209.1	43.0	10.9	217.0	44.0	10.3	217.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.7	7.7	3D−it:	1.2	1.2	

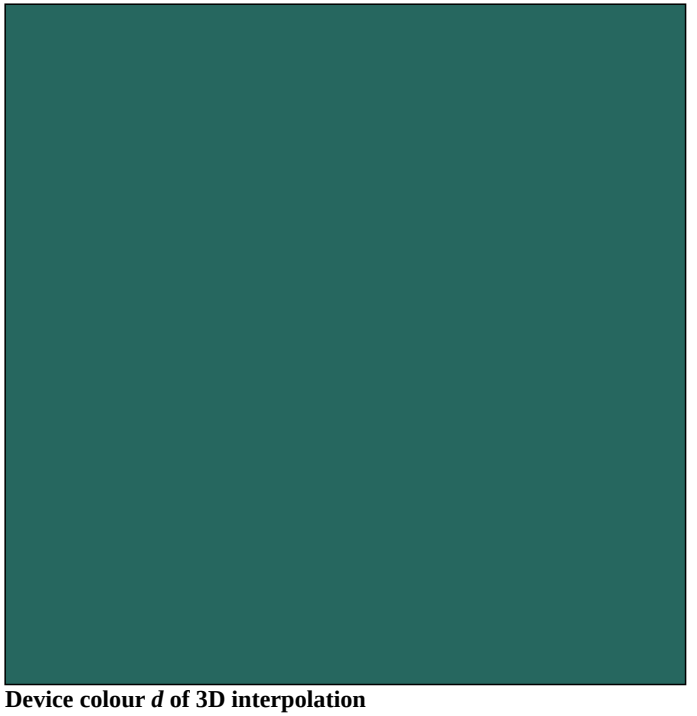
3 Colours no. *j*=781

output of the device colour *d*:

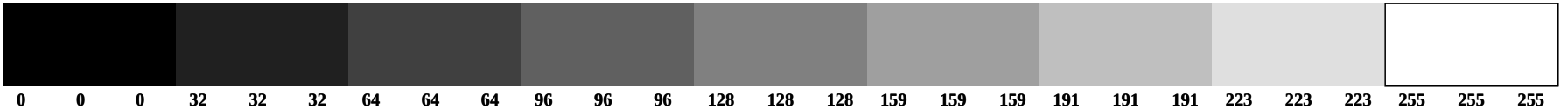
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.375	0.125	0.375	0.283	0.15	0.402	0.371
$olv^*_{Fa,\ 8bit}$	32	96	96	32	96	72	38	103	95
L^*, C^*_{ab}, h_{ab}	42.7	18.3	209.1	44.3	18.2	196.7	46.1	16.2	186.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.3	4.3	3D−in:	7.9	7.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
782	0.0	0.375	0.375	210.0	80.3	43.6	217.0	−34.7	−26.1	41.2	16.4	217.0	−13.0	−9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
782	0.0	0.375	0.375	210.0	85.3	72.8	196.7	−69.6	−20.8	43.0	27.3	196.7	−26.0	−7.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.375	g50b	c08v		0.0	0.925	1.0	0.0	0.347	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.375	g31b	c00v		0.0	1.0	0.63	0.0	0.375	0.236

3 Colours no. *j*=782

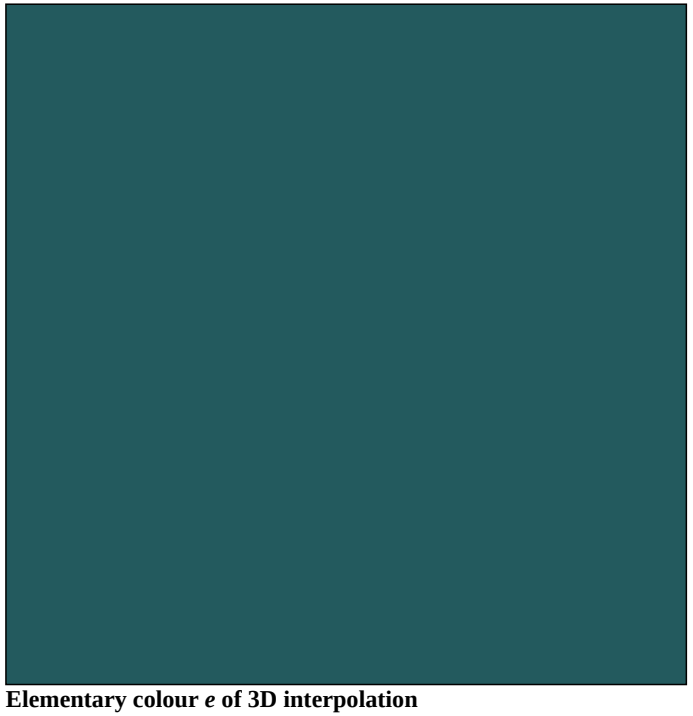
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.375	0.0	0.347	0.375	0.136	0.353	0.368
$rgb^*_{Fa,\ 8bit}$	0	96	96	0	88	96	35	90	94
L^*, C^*_{ab}, h_{ab}	41.9	22.2	207.1	41.2	16.4	217.0	42.5	13.3	220.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−it:	3.5	3.5	

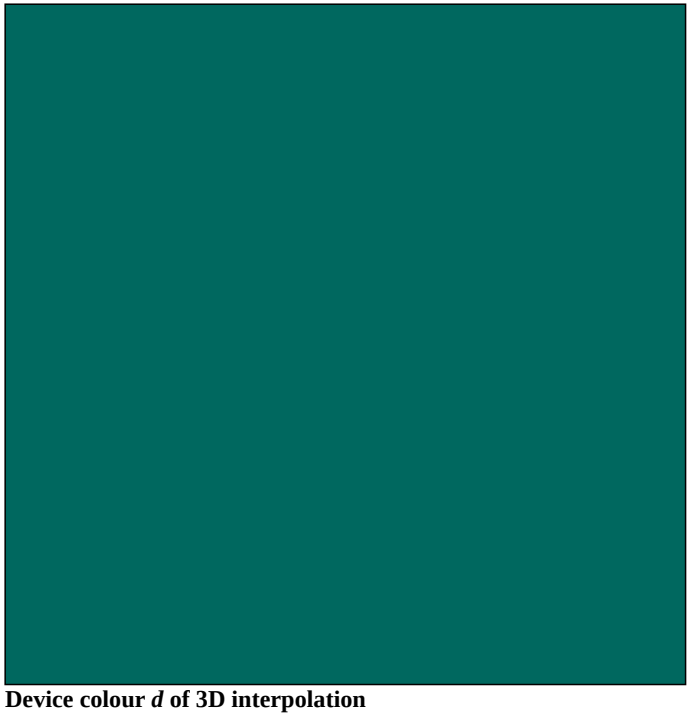
3 Colours no. *j*=782

output of the device colour *d*:

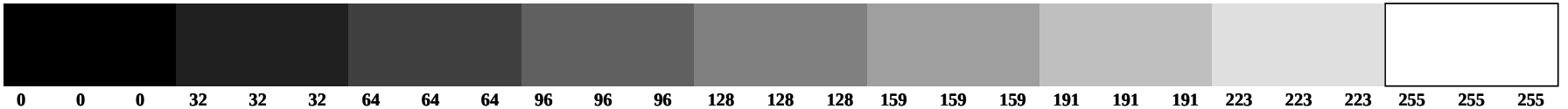
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.375	0.0	0.375	0.236	0.0	0.406	0.372
$olv^*_{Fa,\ 8bit}$	0	96	96	0	96	60	0	103	95
L^*, C^*_{ab}, h_{ab}	41.9	22.2	207.1	43.0	27.3	196.7	44.2	20.7	196.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.8	6.8	3D−in:	4.9	4.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
783	1.0	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	63.4	61.0	25.5	55.0	26.2	0.0	0.75	b99r	m81o		1.0	0.0	0.189	1.0	0.25	0.392
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
783	1.0	0.25	0.25	30.0	55.6	86.2	38.2	67.7	53.3	65.6	64.6	38.2	50.8	40.0	0.0	0.75	r19j	m100o		1.0	0.19	0.0	1.0	0.393	0.25

3 Colours no. *j*=783

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.25	0.25	1.0	0.25	0.392	1.0	0.372	0.376
$rgb^*_{Fa,\ 8bit}$	255	64	64	255	64	100	255	95	96
L^*, C^*_{ab}, h_{ab}	58.0	68.0	28.4	63.4	61.0	25.5	64.7	65.5	25.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−it:	4.7	4.7	

3 Colours no. *j*=783

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.25	0.25	1.0	0.393	0.25	1.0	0.375	0.25
$olv^*_{Fa,\ 8bit}$	255	64	64	255	100	64	255	96	64
L^*, C^*_{ab}, h_{ab}	58.0	68.0	28.4	65.6	64.6	38.2	69.4	67.1	38.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.0	14.0	3D−in:	16.5	16.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
784	0.875	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	59.0	50.8	25.5	45.9	21.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
784	0.875	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	60.8	53.9	38.2	42.3	33.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.625	b99r	m81o		1.0	0.0	0.189	0.875	0.25	0.368
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.625	r19j	m100o		1.0	0.19	0.0	0.875	0.369	0.25

3 Colours no. *j*=784

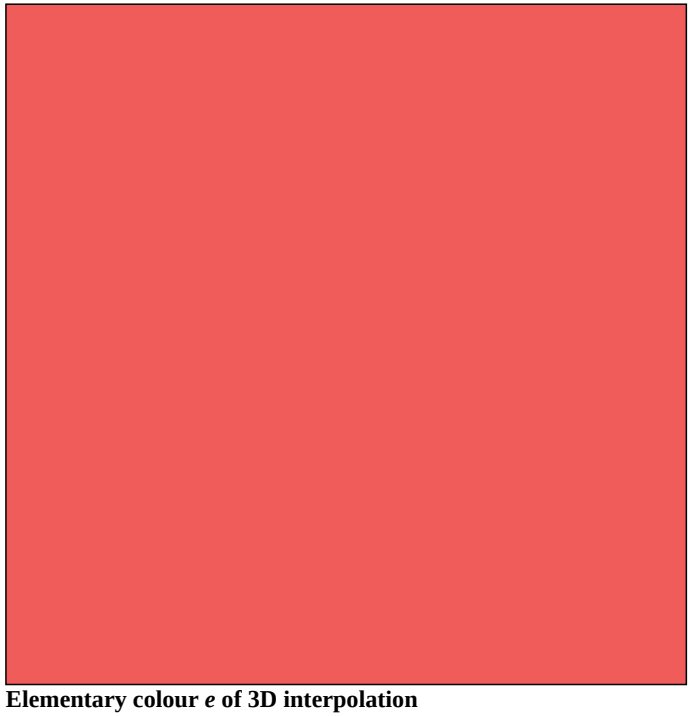
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.25	0.875	0.25	0.368	0.938	0.36	0.353
$rgb^*_{Fa,\ 8bit}$	223	64	64	223	64	94	239	92	90
L^*, C^*_{ab}, h_{ab}	52.4	53.2	25.4	59.0	50.8	25.5	62.1	56.5	25.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−it:	6.4	6.4	

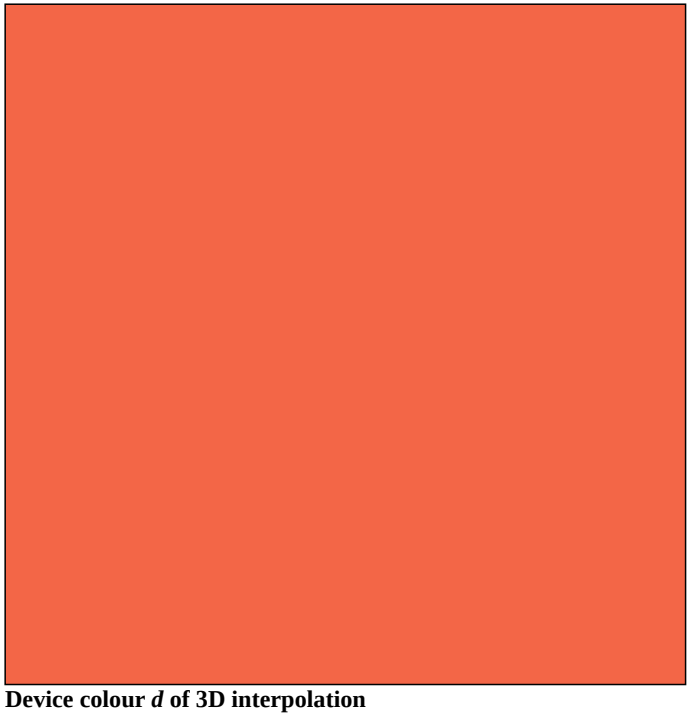
3 Colours no. *j*=784

output of the device colour *d*:

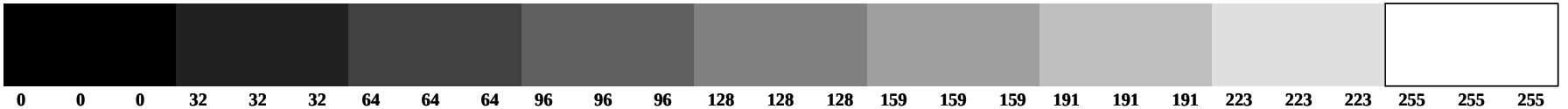
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.25	0.875	0.369	0.25	0.953	0.401	0.277
$olv^*_{Fa,\ 8bit}$	223	64	64	223	94	64	243	102	71
L^*, C^*_{ab}, h_{ab}	52.4	53.2	25.4	60.8	53.9	38.2	66.6	57.8	38.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.7	14.7	3D−in:	19.6	19.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
785	0.75	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	54.6	40.7	25.5	36.7	17.5	0.25	0.5	b99r	m81o		1.0	0.0	0.189	0.75	0.25	0.344
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
785	0.75	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	56.1	43.1	38.2	33.9	26.6	0.25	0.5	r19j	m100o		1.0	0.19	0.0	0.75	0.345	0.25

3 Colours no. *j*=785

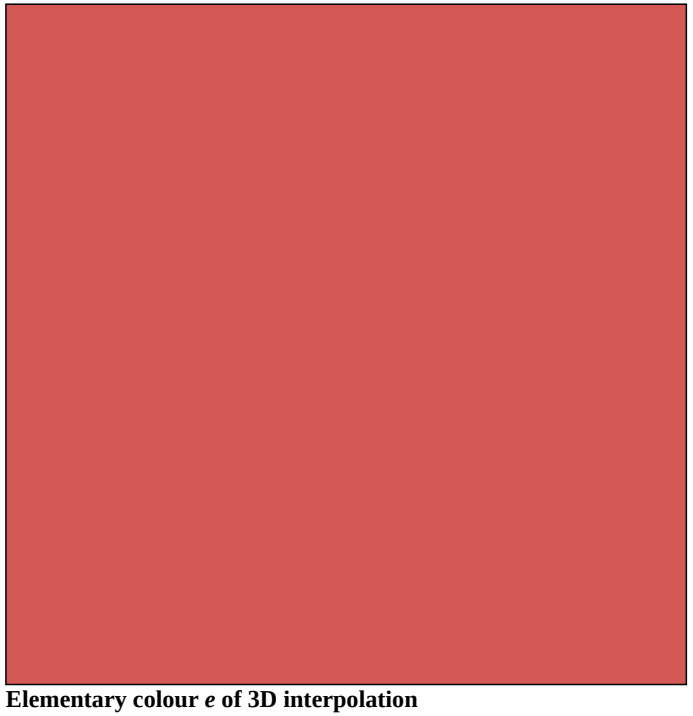
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.25	0.75	0.25	0.344	0.83	0.348	0.328
$rgb^*_{Fa,\ 8bit}$	191	64	64	191	64	88	212	89	84
L^*, C^*_{ab}, h_{ab}	48.4	42.0	22.7	54.6	40.7	25.5	57.0	42.9	26.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−it:	3.4	3.4	

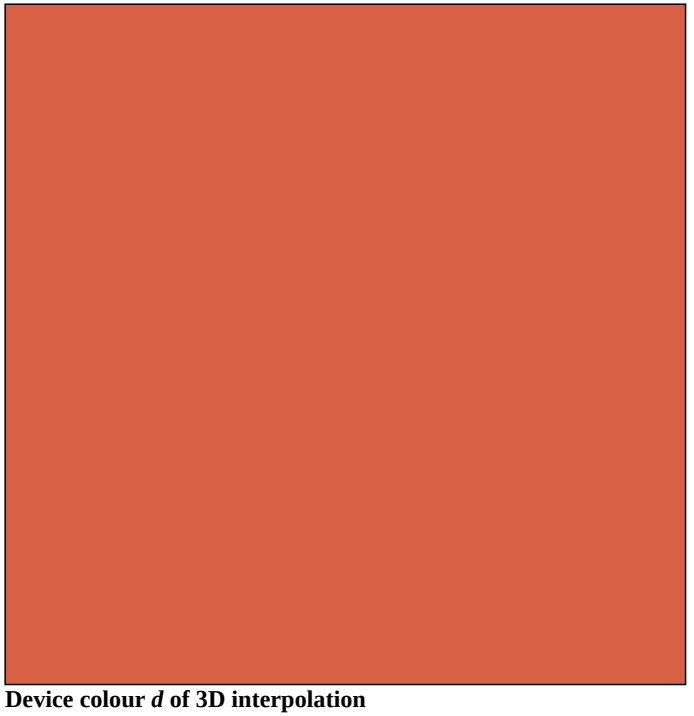
3 Colours no. *j*=785

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.25	0.75	0.345	0.25	0.848	0.376	0.268
$olv^*_{Fa,\ 8bit}$	191	64	64	191	88	64	216	96	68
L^*, C^*_{ab}, h_{ab}	48.4	42.0	22.7	56.1	43.1	38.2	57.1	44.6	37.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.8	13.8	3D−in:	14.3	14.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

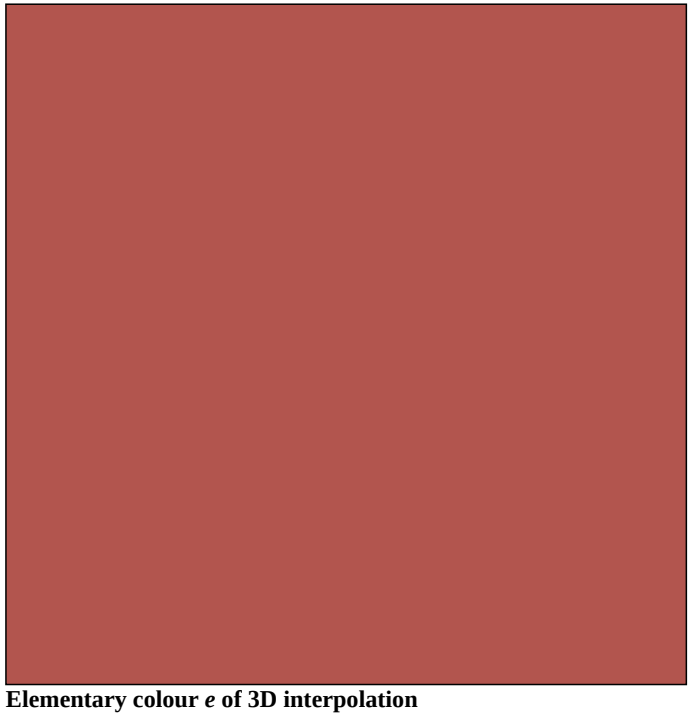
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
786	0.625	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	50.2	30.5	25.5	27.5	13.1	0.375	0.375	b99r	m81o		1.0	0.0	0.189	0.625	0.25	0.321
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
786	0.625	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	51.3	32.3	38.2	25.4	20.0	0.375	0.375	r19j	m100o		1.0	0.19	0.0	0.625	0.321	0.25

3 Colours no. *j*=786

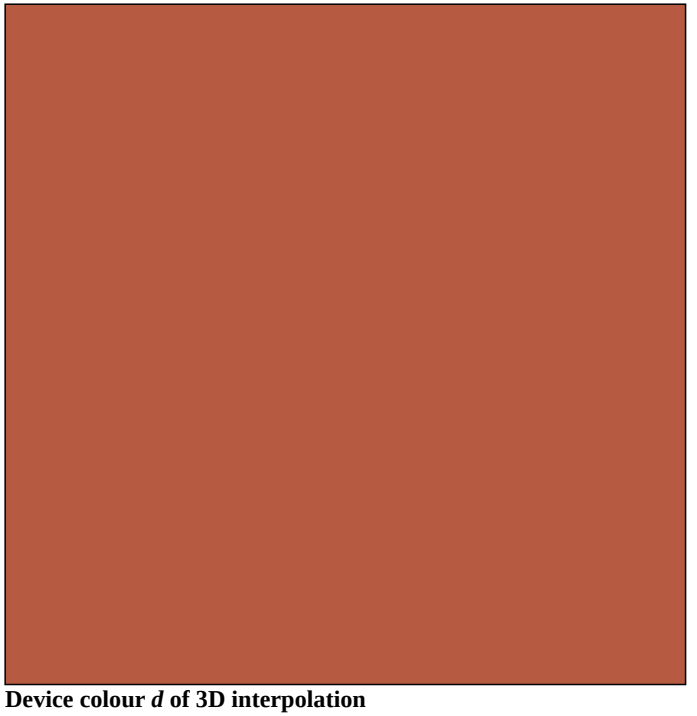
	rgb input (in):			output of the elementary colour *e*: linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.25	0.625	0.25	0.321	0.698	0.332	0.304
$rgb^*_{Fa,\ 8bit}$	159	64	64	159	64	82	178	85	78
L^*, C^*_{ab}, h_{ab}	44.7	31.0	19.0	50.2	30.5	25.5	53.6	32.8	29.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−it:	4.7	4.7	

3 Colours no. *j*=786

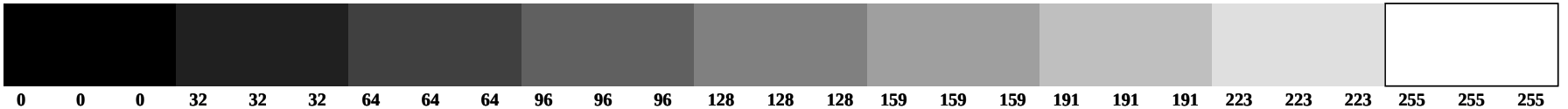
	rgb input (in):			output of the device colour *d*: linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.25	0.625	0.321	0.25	0.713	0.353	0.259
$olv^*_{Fa,\ 8bit}$	159	64	64	159	82	64	182	90	66
L^*, C^*_{ab}, h_{ab}	44.7	31.0	19.0	51.3	32.3	38.2	53.2	35.0	42.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−in:	16.5	16.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
787	0.5	0.25	0.25	30.0	52.7	81.3	25.5	73.4	35.0	45.9	20.3	25.5	18.3	8.7	0.5	0.25	b99r	m81o		1.0	0.0	0.189	0.5	0.25	0.297
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
787	0.5	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	46.6	21.6	38.2	16.9	13.3	0.5	0.25	r19j	m100o		1.0	0.19	0.0	0.5	0.298	0.25

3 Colours no. *j*=787

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.25	0.5	0.25	0.297	0.56	0.312	0.28
$rgb^*_{Fa,\ 8bit}$	128	64	64	128	64	76	143	79	71
L^*, C^*_{ab}, h_{ab}	41.5	20.7	14.0	45.9	20.3	25.5	50.6	22.6	33.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	6.1	6.1	

3 Colours no. *j*=787

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.25	0.5	0.298	0.25	0.571	0.324	0.251
$olv^*_{Fa,\ 8bit}$	128	64	64	128	76	64	146	83	64
L^*, C^*_{ab}, h_{ab}	41.5	20.7	14.0	46.6	21.6	38.2	50.1	26.4	45.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.2	10.2	3D−in:	16.3	16.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
788	0.375	0.25	0.25	30.0	52.7	81.3	25.5	73.4	34.9	41.5	10.2	25.5	9.2	4.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
788	0.375	0.25	0.25	30.0	55.6	86.2	38.2	67.8	53.3	41.8	10.8	38.2	8.5	6.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.625	0.125	b99r	m81o		1.0	0.0	0.189	0.375	0.25	0.274
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.625	0.125	r19j	m100o		1.0	0.19	0.0	0.375	0.274	0.25

3 Colours no. *j*=788

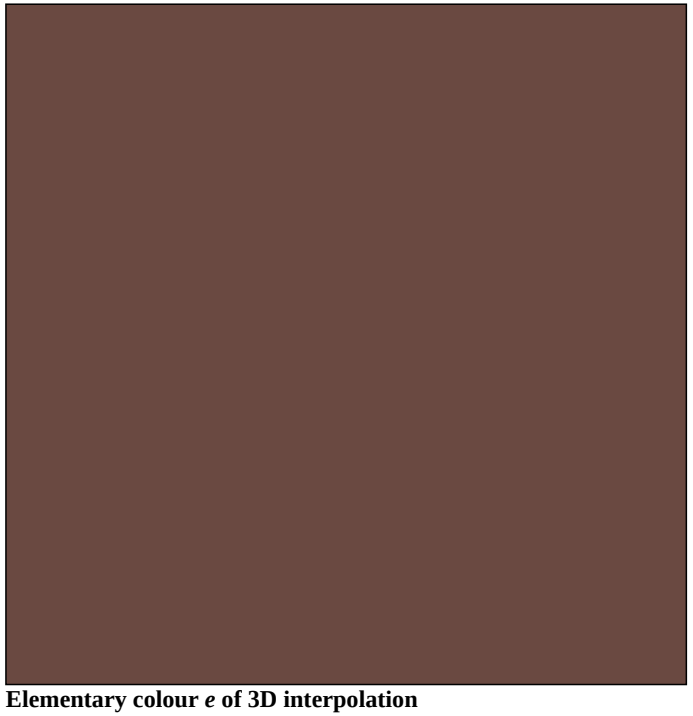
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.25	0.375	0.25	0.274	0.416	0.288	0.256
$rgb^*_{Fa,\ 8bit}$	96	64	64	96	64	70	106	74	65
L^*, C^*_{ab}, h_{ab}	38.7	10.1	1.5	41.5	10.2	25.5	44.4	13.2	39.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−it:	5.0	5.0	

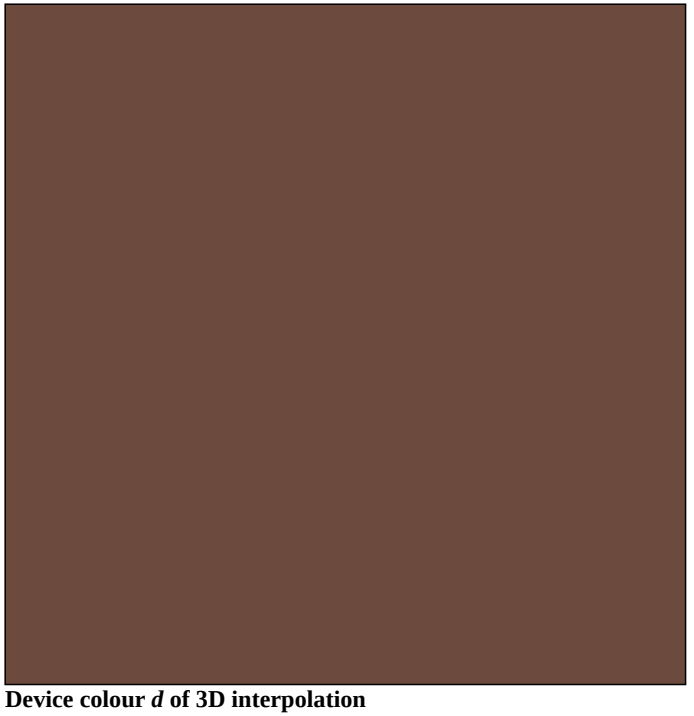
3 Colours no. *j*=788

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.25	0.375	0.274	0.25	0.424	0.294	0.244
$olv^*_{Fa,\ 8bit}$	96	64	64	96	70	64	108	75	62
L^*, C^*_{ab}, h_{ab}	38.7	10.1	1.5	41.8	10.8	38.2	48.1	15.9	52.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−in:	15.6	15.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
789	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
789	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. *j*=789

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.3	3.9	283.2	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.7	3.7	

3 Colours no. *j*=789

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.3	3.9	283.2	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
790	0.125	0.25	0.25	210.0	80.3	43.6	217.0	−34.7	−26.1	35.2	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
790	0.125	0.25	0.25	210.0	85.3	72.8	196.7	−69.6	−20.9	35.8	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.75	0.125	g50b	c08v		0.0	0.925	1.0	0.125	0.241	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.75	0.125	g31b	c00v		0.0	1.0	0.63	0.125	0.25	0.204

3 Colours no. *j*=790

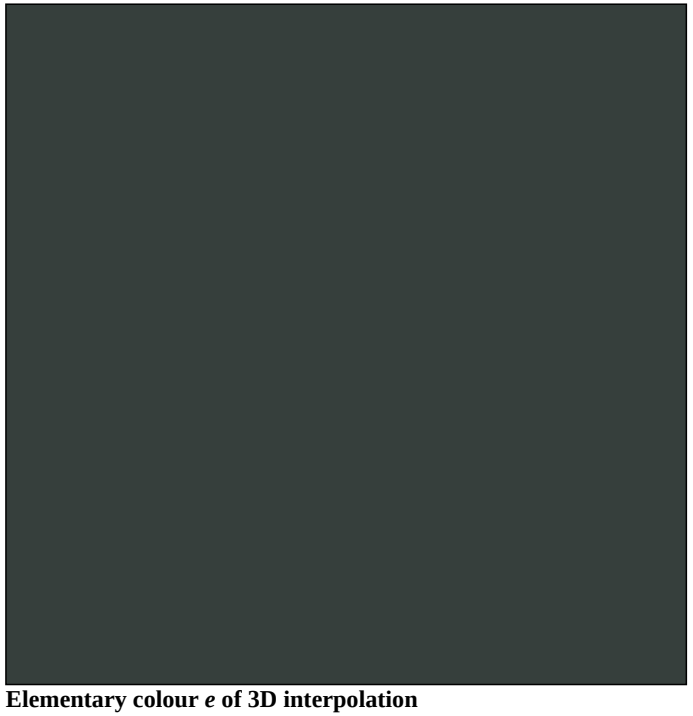
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.25	0.25	0.125	0.241	0.25	0.21	0.248	0.237
$rgb^*_{Fa,\ 8bit}$	32	64	64	32	61	64	54	63	60
L^*, C^*_{ab}, h_{ab}	34.2	11.3	219.4	35.2	5.5	217.0	36.1	3.1	281.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−it:	5.1	5.1	

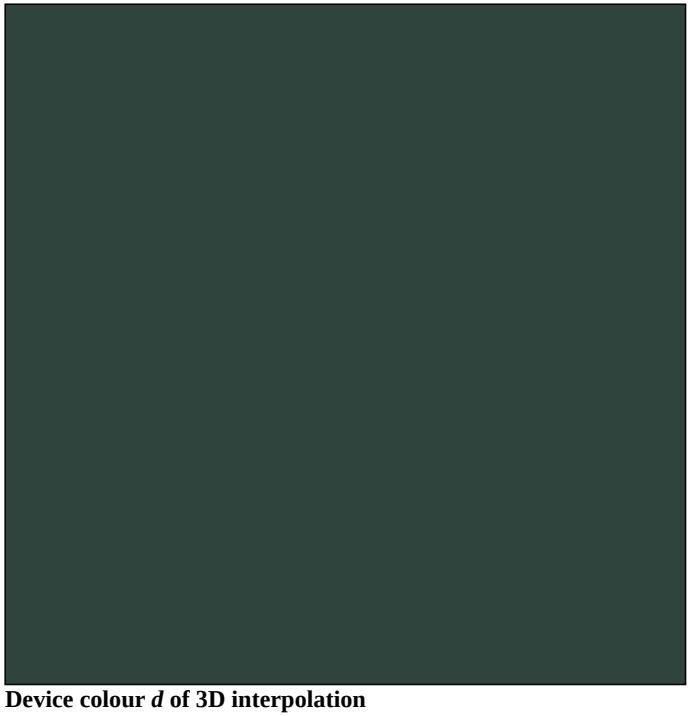
3 Colours no. *j*=790

output of the device colour *d*:

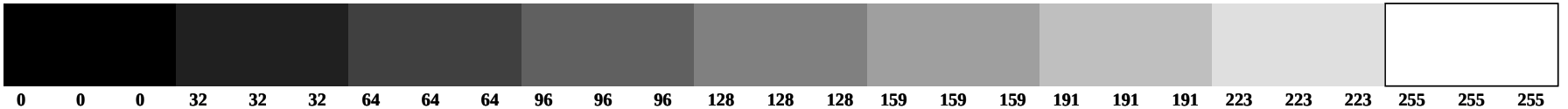
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.25	0.25	0.125	0.25	0.204	0.185	0.265	0.238
$olv^*_{Fa,\ 8bit}$	32	64	64	32	64	52	47	68	61
L^*, C^*_{ab}, h_{ab}	34.2	11.3	219.4	35.8	9.1	196.7	37.6	8.7	168.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.9	4.9	3D−in:	9.6	9.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
791	0.0	0.25	0.25	210.0	80.3	43.6	217.0	−34.7	−26.1	33.3	10.9	217.0	−8.6	−6.5	0.75	0.25	g50b	c08v		0.0	0.925	1.0	0.0	0.231	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
791	0.0	0.25	0.25	210.0	85.3	72.8	196.7	−69.6	−20.8	34.6	18.2	196.7	−17.3	−5.1	0.75	0.25	g31b	c00v		0.0	1.0	0.63	0.0	0.25	0.158

3 Colours no. *j*=791

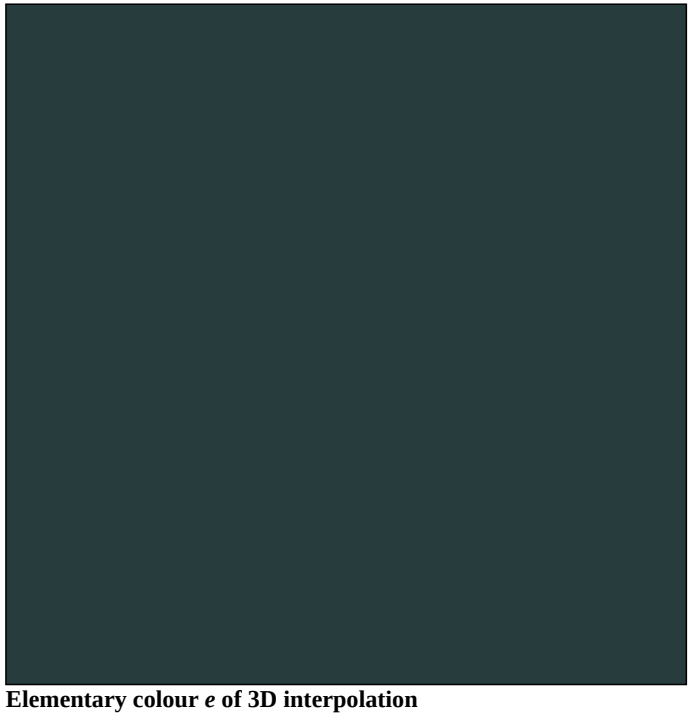
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.25	0.25	0.0	0.231	0.25	0.153	0.234	0.236
$rgb^*_{Fa,\ 8bit}$	0	64	64	0	59	64	39	60	60
L^*, C^*_{ab}, h_{ab}	33.3	16.0	213.0	33.3	10.9	217.0	34.0	10.5	215.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	0.9	0.9	

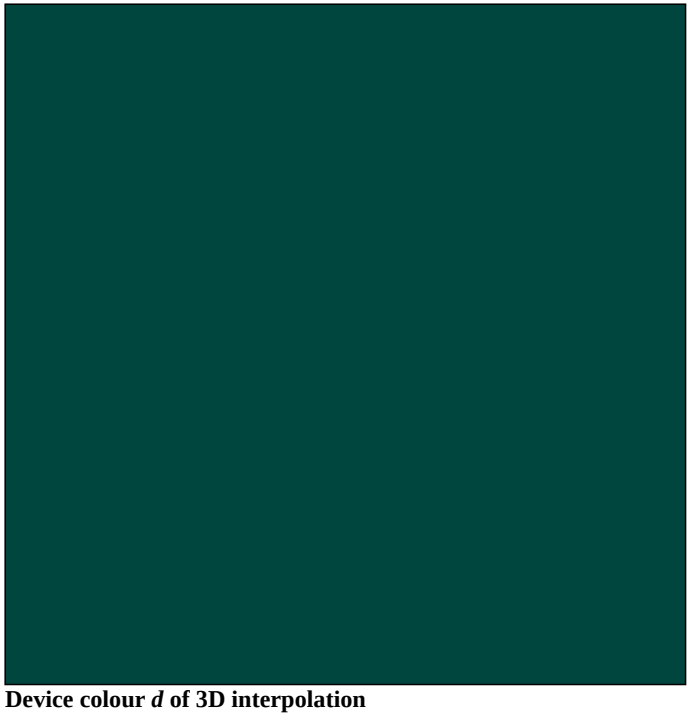
3 Colours no. *j*=791

output of the device colour *d*:

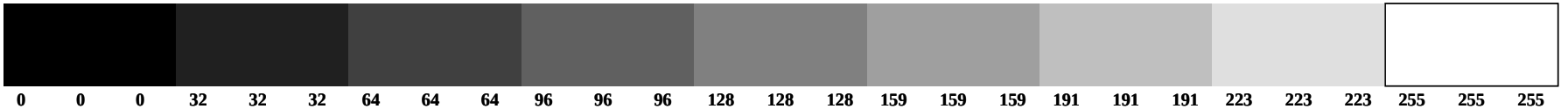
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.25	0.25	0.0	0.25	0.158	0.0	0.276	0.243
$olv^*_{Fa,\ 8bit}$	0	64	64	0	64	40	0	70	62
L^*, C^*_{ab}, h_{ab}	33.3	16.0	213.0	34.6	18.2	196.7	35.9	13.7	188.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−in:	7.2	7.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
792	1.0	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	58.0	71.1	25.5	64.2	30.6	0.0	0.875	b99r	m81o		1.0	0.0	0.189	1.0	0.125	0.29
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
792	1.0	0.125	0.125	30.0	55.6	86.2	38.2	67.7	53.3	60.6	75.4	38.2	59.3	46.6	0.0	0.875	r19j	m100o		1.0	0.19	0.0	1.0	0.291	0.125

3 Colours no. *j*=792

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	0.125	1.0	0.125	0.29	1.0	0.223	0.251
$rgb^*_{Fa,\ 8bit}$	255	32	32	255	32	74	255	57	64
L^*, C^*_{ab}, h_{ab}	54.1	82.3	34.3	58.0	71.1	25.5	58.3	76.0	25.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.7	16.7	3D−it:	4.8	4.8

3 Colours no. *j*=792

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	0.125	1.0	0.291	0.125	1.0	0.292	0.186
$olv^*_{Fa,\ 8bit}$	255	32	32	255	74	32	255	74	47
L^*, C^*_{ab}, h_{ab}	54.1	82.3	34.3	60.6	75.4	38.2	63.7	79.0	40.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.9	10.9	3D−in:	13.0	13.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
793	0.875	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	53.6	61.0	25.5	55.0	26.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
793	0.875	0.125	0.125	30.0	55.6	86.2	38.2	67.7	53.3	55.8	64.6	38.2	50.8	40.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.75	b99r	m81o		1.0	0.0	0.189	0.875	0.125	0.267
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.75	r19j	m100o		1.0	0.19	0.0	0.875	0.268	0.125

3 Colours no. *j*=793

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.125	0.875	0.125	0.267	0.926	0.226	0.249
$rgb^*_{Fa,\ 8bit}$	223	32	32	223	32	68	236	58	63
L^*, C^*_{ab}, h_{ab}	47.7	67.6	31.9	53.6	61.0	25.5	57.7	68.2	28.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−it:	9.0	9.0	

3 Colours no. *j*=793

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.125	0.875	0.268	0.125	0.942	0.278	0.178
$olv^*_{Fa,\ 8bit}$	223	32	32	223	68	32	240	71	45
L^*, C^*_{ab}, h_{ab}	47.7	67.6	31.9	55.8	64.6	38.2	61.7	67.1	38.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−in:	16.0	16.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
794	0.75	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	49.3	50.8	25.5	45.9	21.9	0.25	0.625	b99r	m81o		1.0	0.0	0.189	0.75	0.125	0.243
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
794	0.75	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	51.1	53.9	38.2	42.3	33.3	0.25	0.625	r19j	m100o		1.0	0.19	0.0	0.75	0.244	0.125

3 Colours no. *j*=794

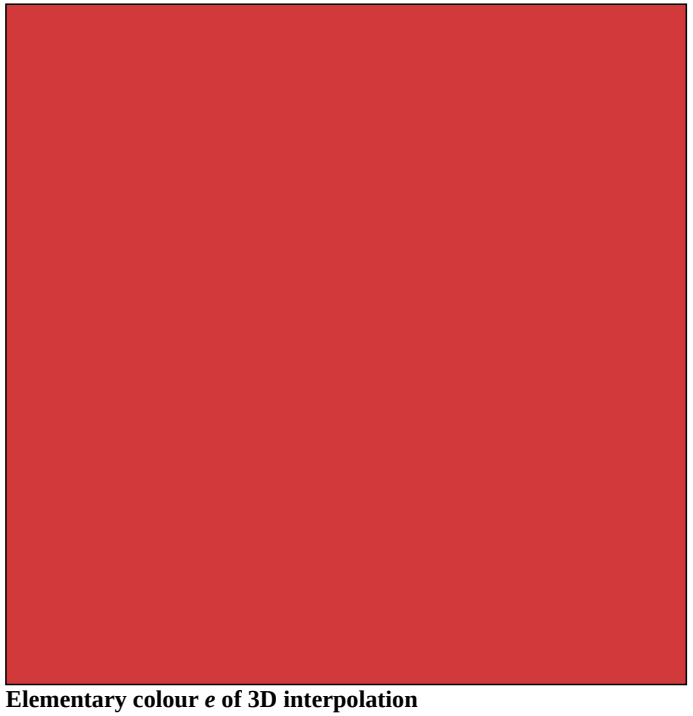
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.125	0.125	0.75	0.125	0.243	0.818	0.225	0.229
$rgb^*_{Fa,\ 8bit}$	191	32	32	191	32	62	209	57	58
L^*, C^*_{ab}, h_{ab}	43.0	56.5	29.8	49.3	50.8	25.5	52.1	53.4	25.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.4	9.4	3D−it:	3.8	3.8	

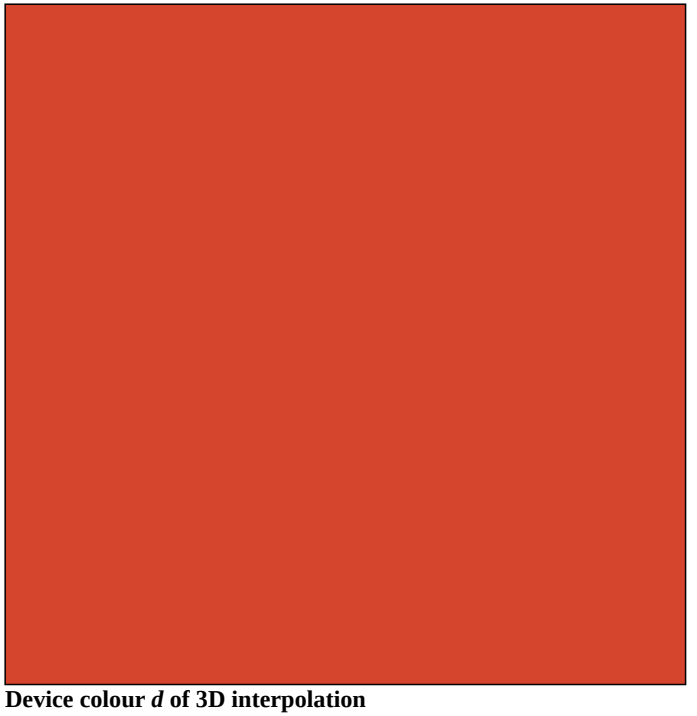
3 Colours no. *j*=794

output of the device colour *d*:

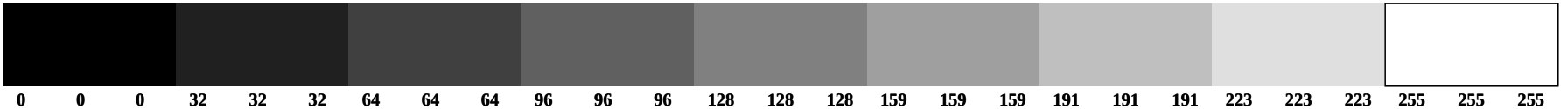
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.125	0.125	0.75	0.244	0.125	0.836	0.265	0.171
$olv^*_{Fa,\ 8bit}$	191	32	32	191	62	32	213	67	44
L^*, C^*_{ab}, h_{ab}	43.0	56.5	29.8	51.1	53.9	38.2	55.1	63.7	39.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−in:	17.3	17.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
795	0.625	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	44.9	40.7	25.5	36.7	17.5	0.375	0.5	b99r	m81o		1.0	0.0	0.189	0.625	0.125	0.219
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
795	0.625	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	46.4	43.1	38.2	33.9	26.6	0.375	0.5	r19j	m100o		1.0	0.19	0.0	0.625	0.22	0.125

3 Colours no. *j*=795

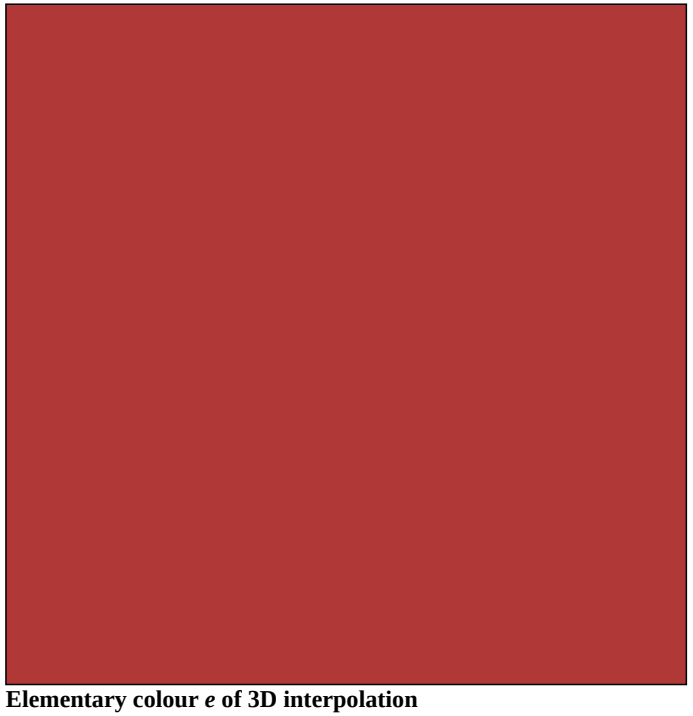
output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	0.125	0.625	0.125	0.219	0.69	0.218	0.211
$rgb^*_{Fa,\ 8bit}$	159	32	32	159	32	56	176	56	54
L^*, C^*_{ab}, h_{ab}	38.6	45.6	27.4	44.9	40.7	25.5	48.0	42.9	25.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.1	8.1	3D−it:	3.9	3.9

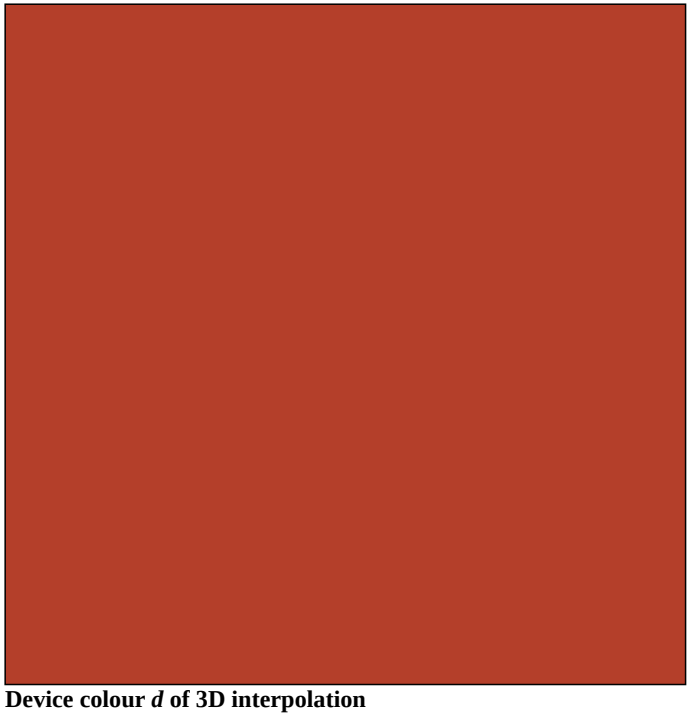
3 Colours no. *j*=795

output of the device colour *d*:

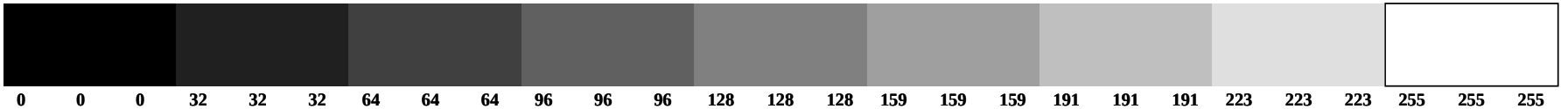
rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	0.125	0.625	0.22	0.125	0.707	0.247	0.165
$olv^*_{Fa,\ 8bit}$	159	32	32	159	56	32	180	63	42
L^*, C^*_{ab}, h_{ab}	38.6	45.6	27.4	46.4	43.1	38.2	53.2	51.4	35.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	11.7	11.7	3D−in:	16.9	16.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
796	0.5	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	40.5	30.5	25.5	27.5	13.1	0.5	0.375	b99r	m81o		1.0	0.0	0.189	0.5	0.125	0.196
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
796	0.5	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	41.6	32.3	38.2	25.4	20.0	0.5	0.375	r19j	m100o		1.0	0.19	0.0	0.5	0.196	0.125

3 Colours no. *j*=796

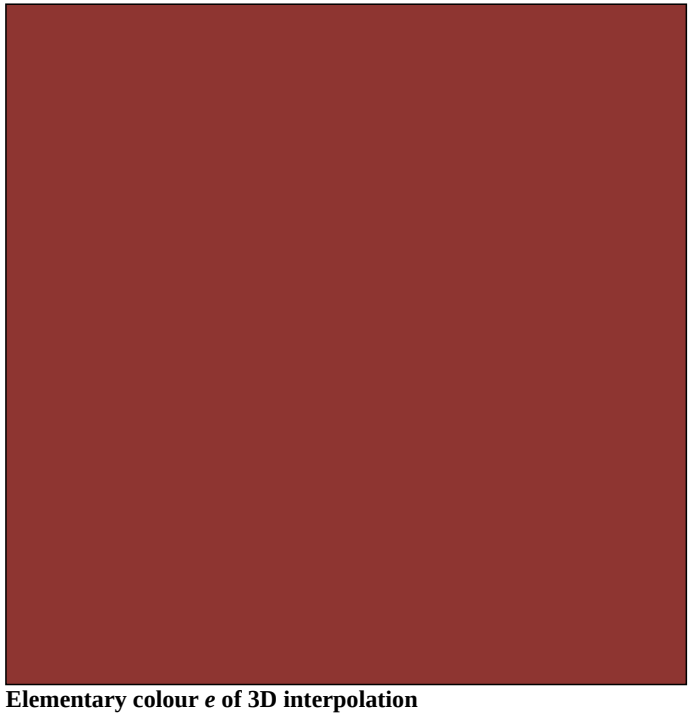
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.125	0.125	0.5	0.125	0.196	0.557	0.208	0.192
$rgb^*_{Fa,\ 8bit}$	128	32	32	128	32	50	142	53	49
L^*, C^*_{ab}, h_{ab}	34.7	34.9	24.7	40.5	30.5	25.5	44.4	33.1	28.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−it:	5.0	5.0	

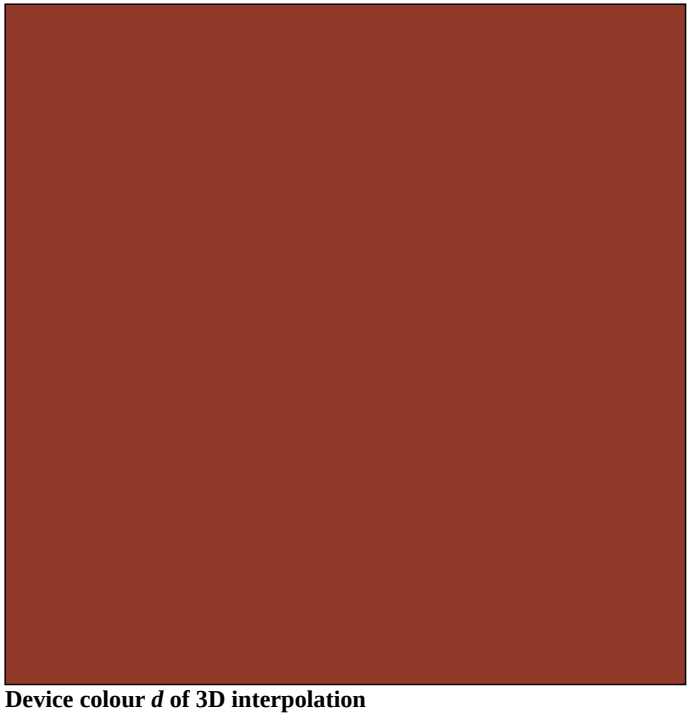
3 Colours no. *j*=796

output of the device colour *d*:

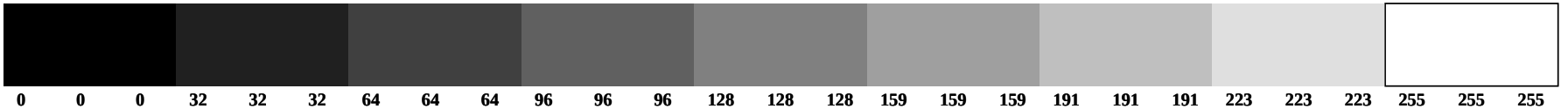
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.125	0.125	0.5	0.196	0.125	0.571	0.226	0.159
$olv^*_{Fa,\ 8bit}$	128	32	32	128	50	32	146	58	41
L^*, C^*_{ab}, h_{ab}	34.7	34.9	24.7	41.6	32.3	38.2	43.9	38.7	48.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.8	10.8	3D−in:	17.9	17.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
797	0.375	0.125	0.125	30.0	52.7	81.3	25.5	73.4	35.0	36.1	20.3	25.5	18.3	8.7	0.625	0.25	b99r	m81o		1.0	0.0	0.189	0.375	0.125	0.172
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
797	0.375	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	36.9	21.6	38.2	16.9	13.3	0.625	0.25	r19j	m100o		1.0	0.19	0.0	0.375	0.173	0.125

3 Colours no. *j*=797

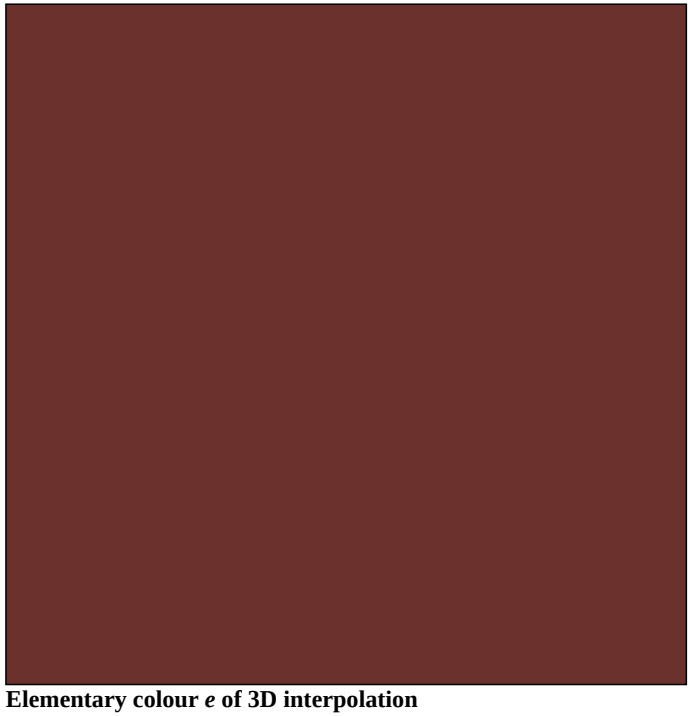
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.125	0.125	0.375	0.125	0.172	0.421	0.194	0.175
$rgb^*_{Fa,\ 8bit}$	96	32	32	96	32	44	107	49	45
L^*, C^*_{ab}, h_{ab}	30.9	23.5	20.8	36.1	20.3	25.5	41.4	23.4	31.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−it:	6.5	6.5	

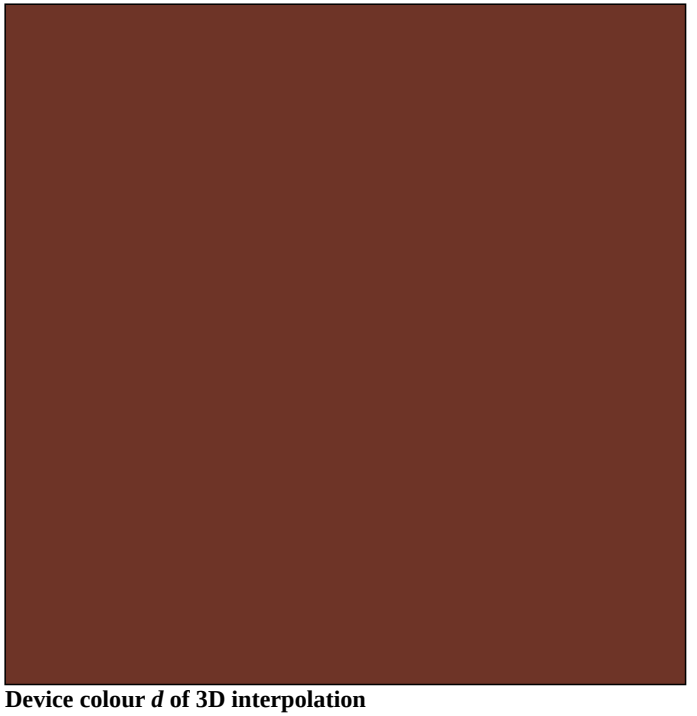
3 Colours no. *j*=797

output of the device colour *d*:

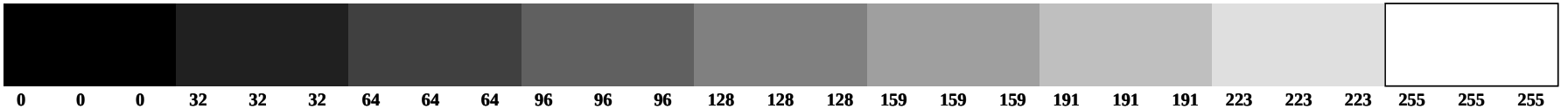
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.125	0.125	0.375	0.173	0.125	0.432	0.205	0.153
$olv^*_{Fa,\ 8bit}$	96	32	32	96	44	32	110	52	39
L^*, C^*_{ab}, h_{ab}	30.9	23.5	20.8	36.9	21.6	38.2	41.4	29.3	47.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.2	9.2	3D−in:	16.9	16.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
798	0.25	0.125	0.125	30.0	52.7	81.3	25.5	73.4	34.9	31.8	10.2	25.5	9.2	4.4	0.75	0.125	b99r	m81o		1.0	0.0	0.189	0.25	0.125	0.149
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
798	0.25	0.125	0.125	30.0	55.6	86.2	38.2	67.8	53.3	32.1	10.8	38.2	8.5	6.7	0.75	0.125	r19j	m100o		1.0	0.19	0.0	0.25	0.149	0.125

3 Colours no. *j*=798

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.125	0.125	0.25	0.125	0.149	0.283	0.176	0.158
$rgb^*_{Fa,\ 8bit}$	64	32	32	64	32	38	72	45	40
L^*, C^*_{ab}, h_{ab}	27.7	12.6	13.5	31.8	10.2	25.5	35.9	13.2	24.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.3	5.3	3D−it:	5.1	5.1	

3 Colours no. *j*=798

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.125	0.125	0.25	0.149	0.125	0.29	0.181	0.147
$olv^*_{Fa,\ 8bit}$	64	32	32	64	38	32	74	46	38
L^*, C^*_{ab}, h_{ab}	27.7	12.6	13.5	32.1	10.8	38.2	38.5	16.5	51.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	14.9	14.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

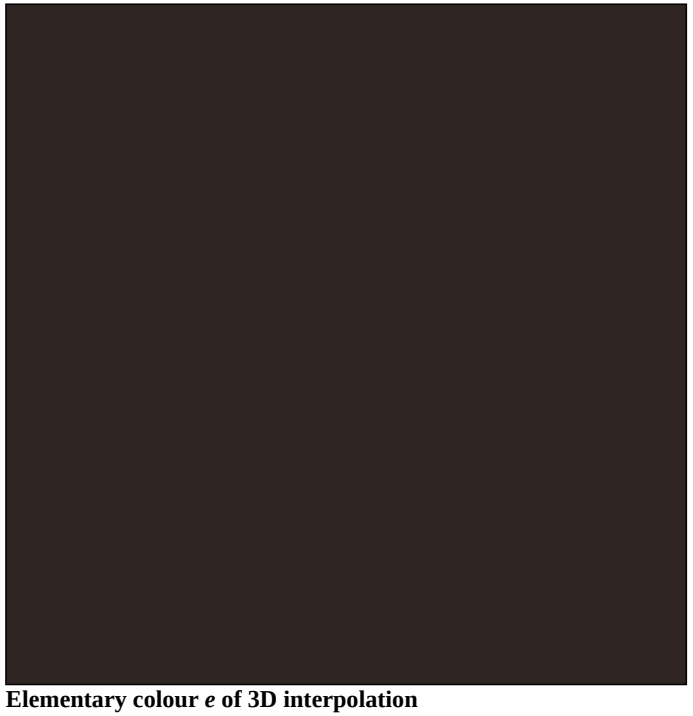
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
799	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
799	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=799

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.2	291.9	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−it:	3.4	3.4	

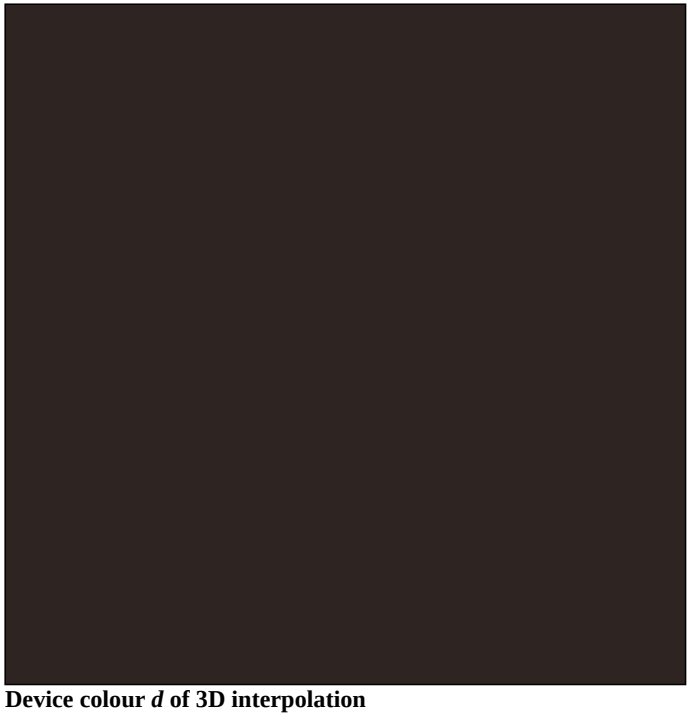


Elementary colour *e* of 3D interpolation

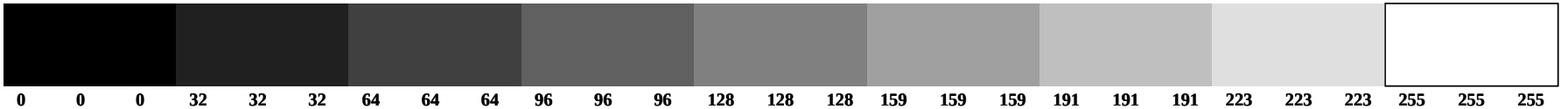
3 Colours no. *j*=799

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.2	291.9	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	6.8	6.8	



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
800	0.0	0.125	0.125	210.0	80.3	43.6	217.0	−34.7	−26.1	25.5	5.5	217.0	−4.3	−3.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
800	0.0	0.125	0.125	210.0	85.3	72.8	196.7	−69.6	−20.9	26.1	9.1	196.7	−8.6	−2.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.875	0.125	g50b	c08v		0.0	0.925	1.0	0.0	0.116	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.875	0.125	g31b	c00v		0.0	1.0	0.63	0.0	0.125	0.079

3 Colours no. *j*=800

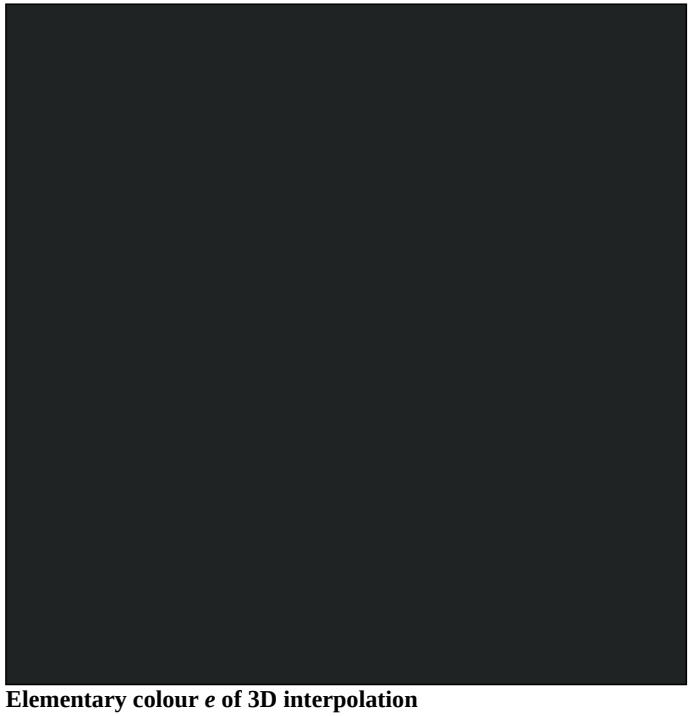
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.125	0.0	0.116	0.125	0.125	0.138	0.137
$rgb^*_{Fa,\ 8bit}$	0	32	32	0	29	32	32	35	35
L^*, C^*_{ab}, h_{ab}	23.3	7.0	218.5	25.5	5.5	217.0	27.7	3.8	218.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.7	2.7	3D−it:	2.8	2.8	

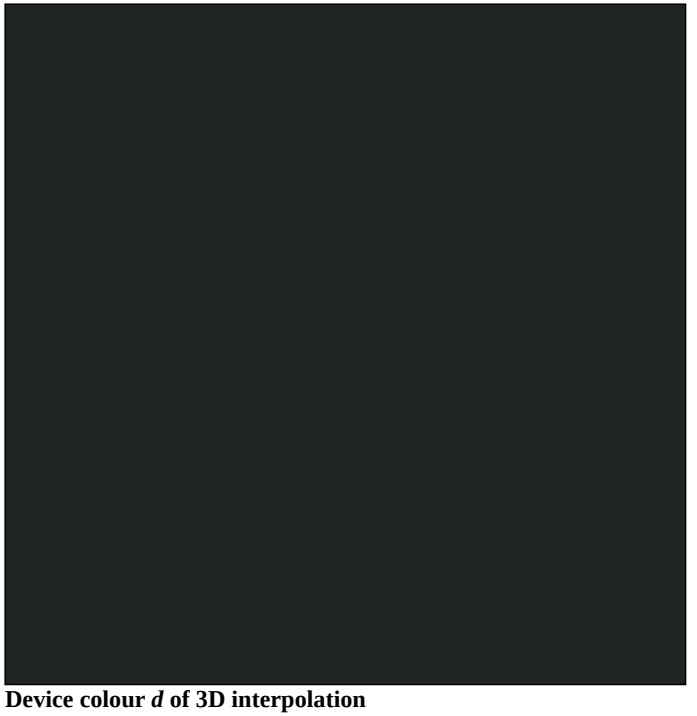
3 Colours no. *j*=800

output of the device colour *d*:

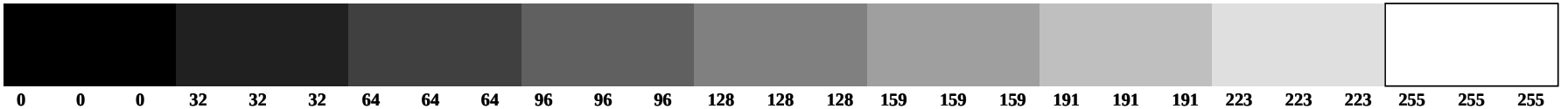
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.125	0.0	0.125	0.079	0.125	0.147	0.134
$olv^*_{Fa,\ 8bit}$	0	32	32	0	32	20	32	38	34
L^*, C^*_{ab}, h_{ab}	23.3	7.0	218.5	26.1	9.1	196.7	28.9	5.9	190.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.6	4.6	3D−in:	6.5	6.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
801	1.0	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	52.7	81.3	25.5	73.4	35.0	0.0	1.0	b99r	m81o		1.0	0.0	0.189	1.0	0.0	0.189
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
801	1.0	0.0	0.0	30.0	55.6	86.2	38.2	67.7	53.3	55.6	86.2	38.2	67.7	53.3	0.0	1.0	r19j	m100o		1.0	0.19	0.0	1.0	0.19	0.0

3 Colours no. *j*=801

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.0	1.0	0.0	0.189	1.0	0.0	0.191
$rgb^*_{Fa,\ 8bit}$	255	0	0	255	0	48	255	0	49
L^*, C^*_{ab}, h_{ab}	52.5	91.0	38.2	52.7	81.3	25.5	54.3	88.0	28.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	21.4	21.4	3D−it:	8.3	8.3	

3 Colours no. *j*=801

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.0	1.0	0.19	0.0	1.0	0.149	0.078
$olv^*_{Fa,\ 8bit}$	255	0	0	255	49	0	255	38	20
L^*, C^*_{ab}, h_{ab}	52.5	91.0	38.2	55.6	86.2	38.2	57.4	89.3	40.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−in:	6.1	6.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
802	0.875	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	48.3	71.1	25.5	64.2	30.6	0.125	0.875	b99r	m81o		1.0	0.0	0.189	0.875	0.0	0.165
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
802	0.875	0.0	0.0	30.0	55.6	86.2	38.2	67.7	53.3	50.9	75.4	38.2	59.3	46.6	0.125	0.875	r19j	m100o		1.0	0.19	0.0	0.875	0.166	0.0

3 Colours no. *j*=802

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.0	0.0	0.875	0.0	0.165	0.909	0.036	0.17
$rgb^*_{Fa,\ 8bit}$	223	0	0	223	0	42	232	9	43
L^*, C^*_{ab}, h_{ab}	45.7	76.3	36.4	48.3	71.1	25.5	50.8	74.5	26.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.2	15.2	3D−it:	4.5	4.5	

3 Colours no. *j*=802

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.0	0.0	0.875	0.166	0.0	0.927	0.149	0.065
$olv^*_{Fa,\ 8bit}$	223	0	0	223	42	0	236	38	17
L^*, C^*_{ab}, h_{ab}	45.7	76.3	36.4	50.9	75.4	38.2	54.4	78.2	37.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−in:	9.0	9.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
803	0.75	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	43.9	61.0	25.5	55.0	26.2	0.25	0.75	b99r	m81o		1.0	0.0	0.189	0.75	0.0	0.142
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
803	0.75	0.0	0.0	30.0	55.6	86.2	38.2	67.7	53.3	46.1	64.6	38.2	50.8	40.0	0.25	0.75	r19j	m100o		1.0	0.19	0.0	0.75	0.143	0.0

3 Colours no. *j*=803

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.0	0.0	0.75	0.0	0.142	0.798	0.07	0.151
$rgb^*_{Fa,\ 8bit}$	191	0	0	191	0	36	203	18	39
L^*, C^*_{ab}, h_{ab}	40.7	65.2	34.7	43.9	61.0	25.5	47.0	61.7	25.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−it:	3.2	3.2	

3 Colours no. *j*=803

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.0	0.0	0.75	0.143	0.0	0.82	0.148	0.054
$olv^*_{Fa,\ 8bit}$	191	0	0	191	36	0	209	38	14
L^*, C^*_{ab}, h_{ab}	40.7	65.2	34.7	46.1	64.6	38.2	49.7	67.4	36.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	9.5	9.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
804	0.625	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	39.5	50.8	25.5	45.9	21.9	0.375	0.625	b99r	m81o		1.0	0.0	0.189	0.625	0.0	0.118
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
804	0.625	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	41.4	53.9	38.2	42.3	33.3	0.375	0.625	r19j	m100o		1.0	0.19	0.0	0.625	0.119	0.0

3 Colours no. *j*=804

output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.0	0.625	0.0	0.118	0.674	0.086	0.133
$rgb^*_{Fa,\ 8bit}$	159	0	0	159	0	30	172	22	34
L^*, C^*_{ab}, h_{ab}	35.9	54.2	33.1	39.5	50.8	25.5	43.0	53.5	29.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.5	8.5	3D−it:	5.5	5.5

3 Colours no. *j*=804

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.0	0.625	0.119	0.0	0.693	0.142	0.043
$olv^*_{Fa,\ 8bit}$	159	0	0	159	30	0	177	36	11
L^*, C^*_{ab}, h_{ab}	35.9	54.2	33.1	41.4	53.9	38.2	44.6	57.2	36.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.3	7.3	3D−in:	9.7	9.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
805	0.5	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	35.2	40.7	25.5	36.7	17.5	0.5	0.5	b99r	m81o		1.0	0.0	0.189	0.5	0.0	0.094
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
805	0.5	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	36.6	43.1	38.2	33.9	26.6	0.5	0.5	r19j	m100o		1.0	0.19	0.0	0.5	0.095	0.0

3 Colours no. *j*=805

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.5	0.0	0.0	0.5	0.0	0.094	0.546	0.089	0.107
$rgb^*_{Fa,\ 8bit}$	128	0	0	128	0	24	139	23	27
L^*, C^*_{ab}, h_{ab}	31.5	43.8	31.0	35.2	40.7	25.5	38.5	45.4	27.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	6.0	6.0	

3 Colours no. *j*=805

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.5	0.0	0.0	0.5	0.095	0.0	0.563	0.132	0.035
$olv^*_{Fa,\ 8bit}$	128	0	0	128	24	0	143	34	9
L^*, C^*_{ab}, h_{ab}	31.5	43.8	31.0	36.6	43.1	38.2	39.0	46.6	35.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−in:	8.7	8.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
806	0.375	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	30.8	30.5	25.5	27.5	13.1	0.625	0.375	b99r	m81o		1.0	0.0	0.189	0.375	0.0	0.071
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
806	0.375	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	31.9	32.3	38.2	25.4	20.0	0.625	0.375	r19j	m100o		1.0	0.19	0.0	0.375	0.071	0.0

3 Colours no. *j*=806

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	0.0	0.375	0.0	0.071	0.418	0.08	0.08
$rgb^*_{Fa,\ 8bit}$	96	0	0	96	0	18	107	20	20
L^*, C^*_{ab}, h_{ab}	27.2	32.8	28.6	30.8	30.5	25.5	34.6	34.9	24.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.6	4.6	3D−it:	5.8	5.8

3 Colours no. *j*=806

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	0.0	0.375	0.071	0.0	0.431	0.113	0.027
$olv^*_{Fa,\ 8bit}$	96	0	0	96	18	0	110	29	7
L^*, C^*_{ab}, h_{ab}	27.2	32.8	28.6	31.9	32.3	38.2	33.3	37.2	33.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.2	7.2	3D−in:	8.0	8.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
807	0.25	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	26.4	20.3	25.5	18.3	8.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
807	0.25	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	27.1	21.6	38.2	16.9	13.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.75	0.25	b99r	m81o		1.0	0.0	0.189	0.25	0.0	0.047
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.75	0.25	r19j	m100o		1.0	0.19	0.0	0.25	0.048	0.0

3 Colours no. *j*=807

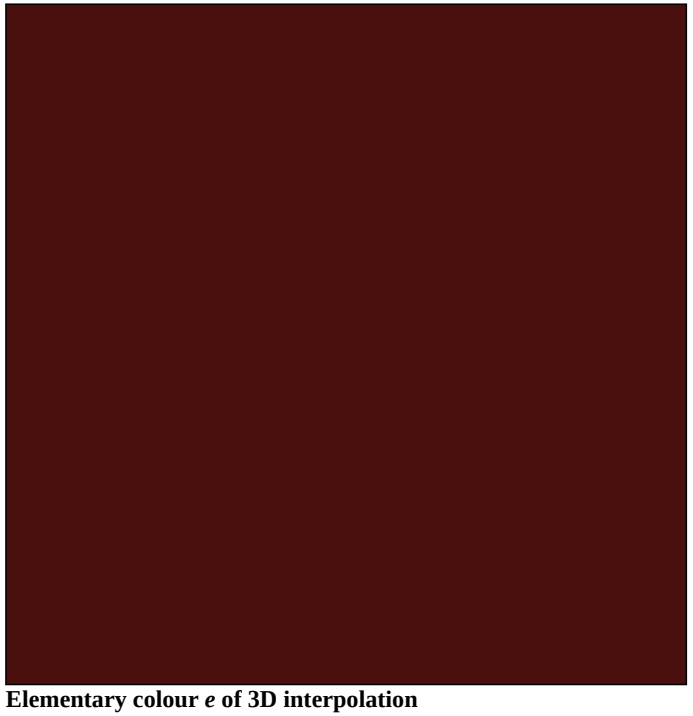
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.0	0.0	0.25	0.0	0.047	0.289	0.061	0.052
$rgb^*_{Fa,\ 8bit}$	64	0	0	64	0	12	74	15	13
L^*, C^*_{ab}, h_{ab}	23.2	21.2	25.5	26.4	20.3	25.5	29.6	20.7	26.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	3.2	3.2	

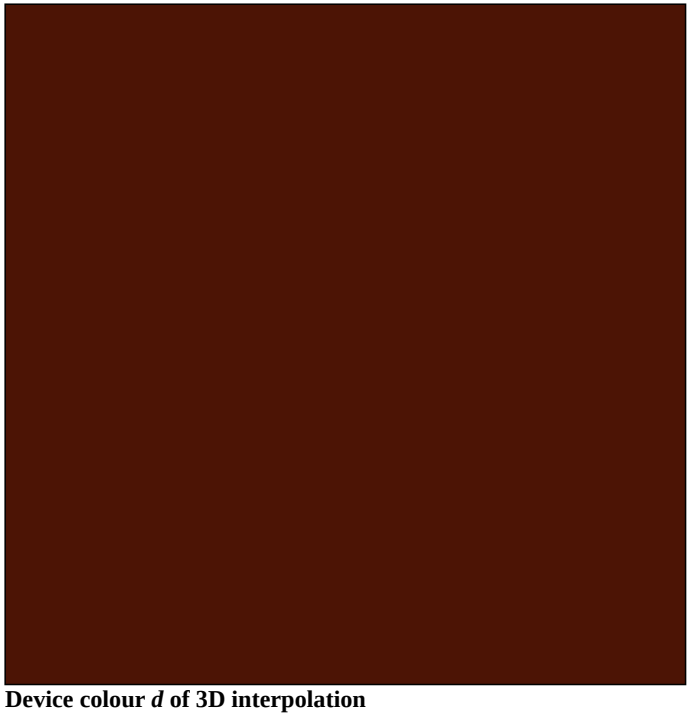
3 Colours no. *j*=807

output of the device colour *d*:

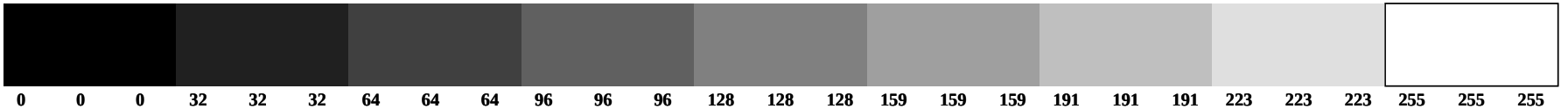
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.0	0.0	0.25	0.048	0.0	0.299	0.08	0.018
$olv^*_{Fa,\ 8bit}$	64	0	0	64	12	0	76	20	5
L^*, C^*_{ab}, h_{ab}	23.2	21.2	25.5	27.1	21.6	38.2	30.8	28.5	39.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.1	6.1	3D−in:	12.1	12.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
808	0.125	0.0	0.0	30.0	52.7	81.3	25.5	73.4	34.9	22.0	10.2	25.5	9.2	4.4	0.875	0.125	b99r	m81o		1.0	0.0	0.189	0.125	0.0	0.024
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
808	0.125	0.0	0.0	30.0	55.6	86.2	38.2	67.8	53.3	22.4	10.8	38.2	8.5	6.7	0.875	0.125	r19j	m100o		1.0	0.19	0.0	0.125	0.024	0.0

3 Colours no. *j*=808

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.0	0.0	0.125	0.0	0.024	0.168	0.034	0.026
$rgb^*_{Fa,\ 8bit}$	32	0	0	32	0	6	43	9	7
L^*, C^*_{ab}, h_{ab}	19.4	7.8	21.9	22.0	10.2	25.5	24.7	12.5	28.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−it:	3.5	3.5	

3 Colours no. *j*=808

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.0	0.0	0.125	0.024	0.0	0.173	0.042	0.009
$olv^*_{Fa,\ 8bit}$	32	0	0	32	6	0	44	11	2
L^*, C^*_{ab}, h_{ab}	19.4	7.8	21.9	22.4	10.8	38.2	25.4	14.2	47.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.0	5.0	3D−in:	9.9	9.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
809	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0	1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
809	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0	1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=809

output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.2	19.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.2	0.2	3D−it:	0.2	0.2	

3 Colours no. *j*=809

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.2	19.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.2	0.2	3D−in:	0.0	0.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
810	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
810	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=810

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.5	0.2	53.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.2	0.2	3D−it:	0.3	0.3	

3 Colours no. *j*=810

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.5	0.2	53.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.2	0.2	3D−in:	0.1	0.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
811	0.875	0.875	1.0	270.0	60.4	57.4	271.8	1.8	−57.2	91.0	7.2	271.8	0.2	−7.1	0.0	0.125	b00r	c39v		0.0	0.613	1.0	0.875	0.952	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
811	0.875	0.875	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	89.0	14.2	304.1	7.9	−11.6	0.0	0.125	b28r	v00m		0.569	0.0	1.0	0.946	0.875	1.0

3 Colours no. *j*=811

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	1.0	0.875	0.952	1.0	0.931	0.96	1.0
$rgb^*_{Fa,\ 8bit}$	223	223	255	223	243	255	237	245	255
L^*, C^*_{ab}, h_{ab}	83.1	21.7	293.8	91.0	7.2	271.8	95.5	0.4	31.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.2	17.2	3D−it:	8.6	8.6

3 Colours no. *j*=811

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	1.0	0.946	0.875	1.0	0.954	0.927	1.0
$olv^*_{Fa,\ 8bit}$	223	223	255	241	223	255	243	236	255
L^*, C^*_{ab}, h_{ab}	83.1	21.7	293.8	89.0	14.2	304.1	95.0	9.4	338.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.1	10.1	3D−in:	20.2	20.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
812	0.75	0.75	1.0	270.0	60.4	57.3	271.8	1.8	−57.2	86.7	14.3	271.8	0.4	−14.2	0.0	0.25	b00r	c39v		0.0	0.613	1.0	0.75	0.903	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
812	0.75	0.75	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	82.6	28.3	304.1	15.9	−23.4	0.0	0.25	b28r	v00m		0.569	0.0	1.0	0.892	0.75	1.0

3 Colours no. *j*=812

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	1.0	0.75	0.903	1.0	0.862	0.923	1.0
$rgb^*_{Fa,\ 8bit}$	191	191	255	191	230	255	220	235	255
L^*, C^*_{ab}, h_{ab}	74.4	37.5	294.4	86.7	14.3	271.8	90.4	12.3	315.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	27.8	27.8	3D−it:	10.7	10.7

3 Colours no. *j*=812

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	1.0	0.892	0.75	1.0	0.91	0.848	1.0
$olv^*_{Fa,\ 8bit}$	191	191	255	227	191	255	232	216	255
L^*, C^*_{ab}, h_{ab}	74.4	37.5	294.4	82.6	28.3	304.1	83.0	30.4	319.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.5	13.5	3D−in:	18.2	18.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
813	0.625	0.625	1.0	270.0	60.4	57.3	271.8	1.8	−57.2	82.3	21.5	271.8	0.7	−21.4	0.0	0.375	b00r	c39v		0.0	0.613	1.0	0.625	0.855	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
813	0.625	0.625	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	76.2	42.5	304.1	23.8	−35.1	0.0	0.375	b28r	v00m		0.569	0.0	1.0	0.838	0.625	1.0

3 Colours no. *j*=813

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.625	1.0	0.625	0.855	1.0	0.77	0.885	1.0
$rgb^*_{Fa,\ 8bit}$	159	159	255	159	218	255	196	226	255
L^*, C^*_{ab}, h_{ab}	66.6	51.7	294.7	82.3	21.5	271.8	83.5	19.9	272.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.5	36.5	3D−it:	2.0	2.0	

3 Colours no. *j*=813

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.625	1.0	0.838	0.625	1.0	0.857	0.747	1.0
$olv^*_{Fa,\ 8bit}$	159	159	255	214	159	255	219	191	255
L^*, C^*_{ab}, h_{ab}	66.6	51.7	294.7	76.2	42.5	304.1	76.3	39.2	308.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−in:	19.1	19.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
814	0.5	0.5	1.0	270.0	60.4	57.3	271.7	1.7	−57.2	77.9	28.7	271.7	0.9	−28.5	0.0	0.5	b00r	c39v		0.0	0.613	1.0	0.5	0.806	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
814	0.5	0.5	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	69.8	56.6	304.1	31.7	−46.8	0.0	0.5	b28r	v00m		0.568	0.0	1.0	0.784	0.5	1.0

3 Colours no. *j*=814

	rgb input (in):			output of the elementary colour *e*: linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	1.0	0.5	0.806	1.0	0.667	0.835	1.0
$rgb^*_{Fa,\ 8bit}$	128	128	255	128	206	255	170	213	255
L^*, C^*_{ab}, h_{ab}	59.5	65.4	295.9	77.9	28.7	271.7	81.1	23.1	272.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	44.9	44.9	3D−it:	6.4	6.4	

3 Colours no. *j*=814

	rgb input (in):			output of the device colour *d*: linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	1.0	0.784	0.5	1.0	0.782	0.624	1.0
$olv^*_{Fa,\ 8bit}$	128	128	255	200	128	255	199	159	255
L^*, C^*_{ab}, h_{ab}	59.5	65.4	295.9	69.8	56.6	304.1	71.1	55.9	308.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−in:	20.1	20.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
815	0.375	0.375	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	73.6	35.8	271.7	1.1	−35.7	0.0	0.625	b00r	c39v		0.0	0.613	1.0	0.375	0.758	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
815	0.375	0.375	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	63.4	70.8	304.1	39.7	−58.6	0.0	0.625	b28r	v00m		0.568	0.0	1.0	0.73	0.375	1.0

3 Colours no. *j*=815

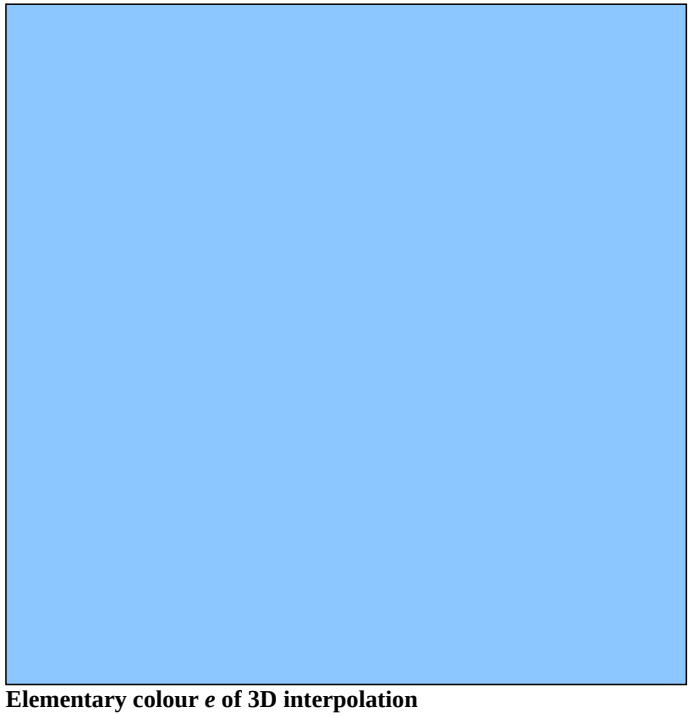
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	1.0	0.375	0.758	1.0	0.552	0.782	1.0
$rgb^*_{Fa,\ 8bit}$	96	96	255	96	193	255	141	199	255
L^*, C^*_{ab}, h_{ab}	52.2	80.2	297.8	73.6	35.8	271.7	76.1	32.1	274.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	54.9	54.9	3D−it:	4.7	4.7

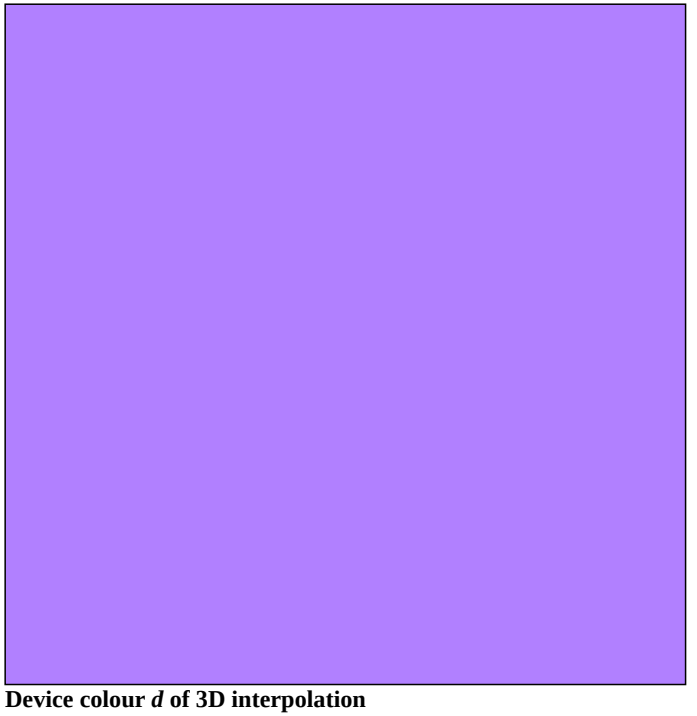
3 Colours no. *j*=815

output of the device colour *d*:

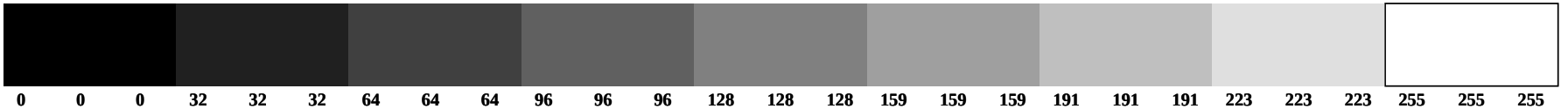
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	1.0	0.73	0.375	1.0	0.695	0.502	1.0
$olv^*_{Fa,\ 8bit}$	96	96	255	186	96	255	177	128	255
L^*, C^*_{ab}, h_{ab}	52.2	80.2	297.8	63.4	70.8	304.1	65.6	71.6	309.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.7	16.7	3D−in:	21.7	21.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
816	0.25	0.25	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	69.2	43.0	271.7	1.3	−42.9	0.0	0.75	b00r	c39v		0.0	0.613	1.0	0.25	0.71	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
816	0.25	0.25	1.0	270.0	44.2	113.3	304.1	63.5	−93.7	57.0	85.0	304.1	47.6	−70.3	0.0	0.75	b28r	v00m		0.568	0.0	1.0	0.676	0.25	1.0

3 Colours no. *j*=816

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.25	1.0	0.25	0.71	1.0	0.421	0.727	1.0
$rgb^*_{Fa,\ 8bit}$	64	64	255	64	181	255	107	185	255
L^*, C^*_{ab}, h_{ab}	45.0	95.8	300.3	69.2	43.0	271.7	71.0	39.7	273.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	66.2	66.2	3D−it:	3.9	3.9	

3 Colours no. *j*=816

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.25	1.0	0.676	0.25	1.0	0.593	0.376	1.0
$olv^*_{Fa,\ 8bit}$	64	64	255	172	64	255	151	96	255
L^*, C^*_{ab}, h_{ab}	45.0	95.8	300.3	57.0	85.0	304.1	57.8	79.9	306.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.2	17.2	3D−in:	22.7	22.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
817	0.125	0.125	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	64.8	50.1	271.7	1.5	−50.0	0.0	0.875	b00r	c39v		0.0	0.613	1.0	0.125	0.661	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
817	0.125	0.125	1.0	270.0	44.2	113.3	304.1	63.5	−93.8	50.6	99.1	304.1	55.5	−82.0	0.0	0.875	b28r	v00m		0.568	0.0	1.0	0.622	0.125	1.0

3 Colours no. *j*=817

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	1.0	0.125	0.661	1.0	0.262	0.669	1.0
$rgb^*_{Fa,\ 8bit}$	32	32	255	32	169	255	67	171	255
L^*, C^*_{ab}, h_{ab}	38.0	113.2	302.9	64.8	50.1	271.7	67.3	46.7	277.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	79.6	79.6	3D−it:	6.3	6.3	

3 Colours no. *j*=817

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	1.0	0.622	0.125	1.0	0.469	0.251	1.0
$olv^*_{Fa,\ 8bit}$	32	32	255	159	32	255	120	64	255
L^*, C^*_{ab}, h_{ab}	38.0	113.2	302.9	50.6	99.1	304.1	54.3	99.4	306.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.0	19.0	3D−in:	22.4	22.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
818	0.0	0.0	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	60.5	57.3	271.7	1.7	−57.2	0.0	1.0	b00r	c39v		0.0	0.613	1.0	0.0	0.613	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
818	0.0	0.0	1.0	270.0	44.2	113.3	304.1	63.5	−93.8	44.2	113.3	304.1	63.5	−93.8	0.0	1.0	b28r	v00m		0.568	0.0	1.0	0.568	0.0	1.0

3 Colours no. *j*=818

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	1.0	0.0	0.613	1.0	0.0	0.613	1.0
$rgb^*_{Fa,\ 8bit}$	0	0	255	0	156	255	0	156	255
L^*, C^*_{ab}, h_{ab}	34.6	121.4	304.2	60.5	57.3	271.7	61.0	56.3	272.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	83.3	83.3	3D−it:	1.6	1.6	

3 Colours no. *j*=818

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	1.0	0.568	0.0	1.0	0.25	0.125	1.0
$olv^*_{Fa,\ 8bit}$	0	0	255	145	0	255	64	32	255
L^*, C^*_{ab}, h_{ab}	34.6	121.4	304.2	44.2	113.3	304.1	48.6	111.6	304.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−in:	17.1	17.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb -> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
819	1.0	1.0	0.875	90.0	83.7	89.7	92.3	−3.4	89.7	93.9	11.2	92.3	−0.3	11.2
n_{rgb}	rgb -> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
819	1.0	1.0	0.875	90.0	90.1	102.2	101.8	−20.7	100.1	94.7	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.125	r99j	o88y		1.0	0.884	0.0	1.0	0.985	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.125	j13g	o100y		0.865	1.0	0.0	0.983	1.0	0.875

3 Colours no. *j*=819

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.875	1.0	0.985	0.875	1.0	0.984	0.933
$rgb^*_{Fa,\ 8bit}$	255	255	223	255	251	223	255	251	238
L^*, C^*_{ab}, h_{ab}	94.4	24.6	106.7	93.9	11.2	92.3	95.5	22.2	89.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.0	14.0	3D−it:	11.1	11.1	

3 Colours no. *j*=819

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.875	0.983	1.0	0.875	1.0	0.996	0.933
$olv^*_{Fa,\ 8bit}$	255	255	223	251	255	223	255	254	238
L^*, C^*_{ab}, h_{ab}	94.4	24.6	106.7	94.7	12.8	101.8	95.1	23.8	85.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	8.9	8.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
820	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
820	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=820

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.7	88.0	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−it:	5.6	5.6	

3 Colours no. *j*=820

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.7	88.0	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−in:	8.1	8.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
821	0.75	0.75	0.875	270.0	60.4	57.4	271.8	1.8	−57.2	81.3	7.2	271.8	0.2	−7.1	0.125	0.125	b00r	c39v		0.0	0.613	1.0	0.75	0.827	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
821	0.75	0.75	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	79.3	14.2	304.1	7.9	−11.6	0.125	0.125	b28r	v00m		0.569	0.0	1.0	0.821	0.75	0.875

3 Colours no. *j*=821

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.75	0.875	0.75	0.827	0.875	0.824	0.874	0.925
$rgb^*_{Fa,\ 8bit}$	191	191	223	191	211	223	210	223	236
L^*, C^*_{ab}, h_{ab}	72.7	12.1	296.9	81.3	7.2	271.8	83.0	9.3	3.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−it:	12.0	12.0	

3 Colours no. *j*=821

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.75	0.875	0.821	0.75	0.875	0.852	0.827	0.932
$olv^*_{Fa,\ 8bit}$	191	191	223	209	191	223	217	211	238
L^*, C^*_{ab}, h_{ab}	72.7	12.1	296.9	79.3	14.2	304.1	83.9	16.0	333.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.1	7.1	3D−in:	14.7	14.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
822	0.625	0.625	0.875	270.0	60.4	57.3	271.8	1.8	−57.2	76.9	14.3	271.8	0.4	−14.2	0.125	0.25	b00r	c39v		0.0	0.613	1.0	0.625	0.778	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
822	0.625	0.625	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	72.9	28.3	304.1	15.9	−23.4	0.125	0.25	b28r	v00m		0.569	0.0	1.0	0.767	0.625	0.875

3 Colours no. *j*=822

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.625	0.625	0.875	0.625	0.778	0.875	0.734	0.82	0.926
$rgb^*_{Fa,\ 8bit}$	159	159	223	159	198	223	187	209	236
L^*, C^*_{ab}, h_{ab}	64.6	26.1	293.6	76.9	14.3	271.8	81.4	12.1	296.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.5	18.5	3D−it:	7.6	7.6	

3 Colours no. *j*=822

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.625	0.625	0.875	0.767	0.625	0.875	0.79	0.724	0.938
$olv^*_{Fa,\ 8bit}$	159	159	223	196	159	223	201	185	239
L^*, C^*_{ab}, h_{ab}	64.6	26.1	293.6	72.9	28.3	304.1	76.3	28.3	325.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.9	9.9	3D−in:	18.9	18.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
823	0.5	0.5	0.875	270.0	60.4	57.3	271.8	1.8	−57.2	72.6	21.5	271.8	0.7	−21.4	0.125	0.375	b00r	c39v		0.0	0.613	1.0	0.5	0.73	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
823	0.5	0.5	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	66.5	42.5	304.1	23.8	−35.1	0.125	0.375	b28r	v00m		0.569	0.0	1.0	0.713	0.5	0.875

3 Colours no. *j*=823

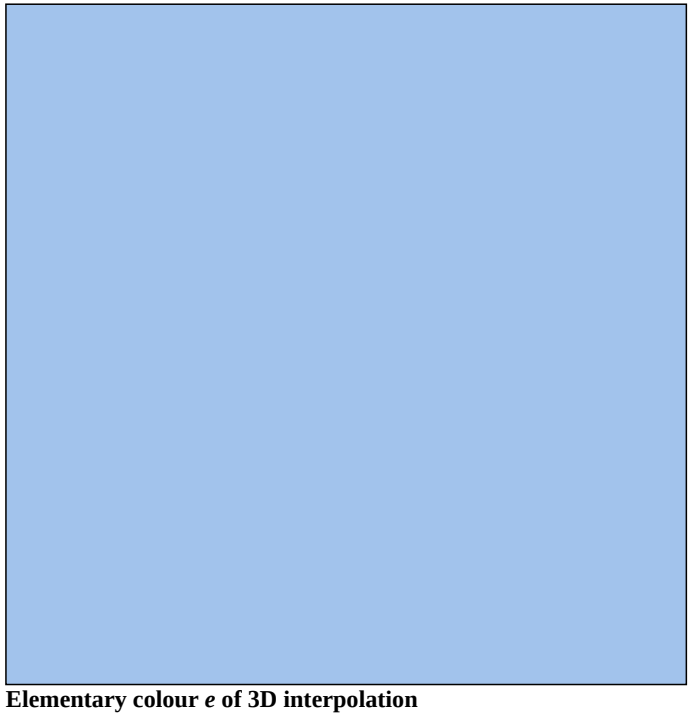
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.875	0.5	0.73	0.875	0.637	0.766	0.926
$rgb^*_{Fa,\ 8bit}$	128	128	223	128	186	223	162	195	236
L^*, C^*_{ab}, h_{ab}	57.1	39.5	294.0	72.6	21.5	271.8	79.6	18.9	293.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	26.3	26.3	3D−it:	10.7	10.7

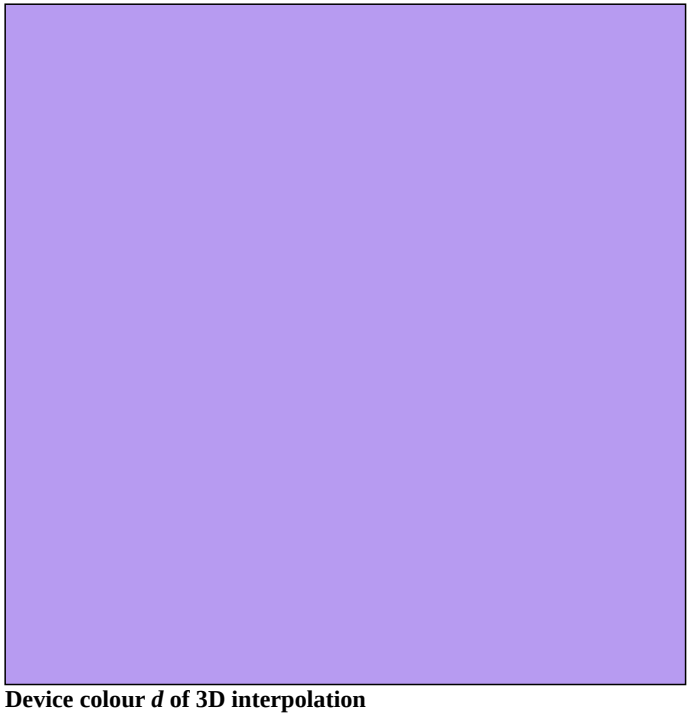
3 Colours no. *j*=823

output of the device colour *d*:

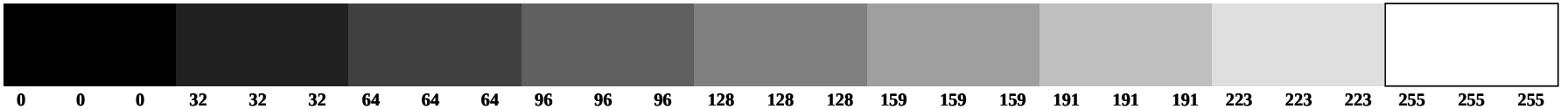
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.875	0.713	0.5	0.875	0.717	0.609	0.945
$olv^*_{Fa,\ 8bit}$	128	128	223	182	128	223	183	155	241
L^*, C^*_{ab}, h_{ab}	57.1	39.5	294.0	66.5	42.5	304.1	71.6	42.1	317.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.2	12.2	3D−in:	22.1	22.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
824	0.375	0.375	0.875	270.0	60.4	57.3	271.7	1.7	−57.2	68.2	28.7	271.7	0.9	−28.5	0.125	0.5	b00r	c39v		0.0	0.613	1.0	0.375	0.681	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
824	0.375	0.375	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	60.1	56.6	304.1	31.7	−46.8	0.125	0.5	b28r	v00m		0.568	0.0	1.0	0.659	0.375	0.875

3 Colours no. *j*=824

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.875	0.375	0.681	0.875	0.527	0.708	0.926
$rgb^*_{Fa,\ 8bit}$	96	96	223	96	174	223	134	181	236
L^*, C^*_{ab}, h_{ab}	49.2	54.5	296.0	68.2	28.7	271.7	73.6	26.9	277.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.1	36.1	3D−it:	6.2	6.2	

3 Colours no. *j*=824

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.875	0.659	0.375	0.875	0.637	0.49	0.95
$olv^*_{Fa,\ 8bit}$	96	96	223	168	96	223	162	125	242
L^*, C^*_{ab}, h_{ab}	49.2	54.5	296.0	60.1	56.6	304.1	68.4	55.9	308.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−in:	22.8	22.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
825	0.25	0.25	0.875	270.0	60.5	57.3	271.7	1.7	−57.2	63.8	35.8	271.7	1.1	−35.7	0.125	0.625	b00r	c39v		0.0	0.613	1.0	0.25	0.633	0.875
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
825	0.25	0.25	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	53.7	70.8	304.1	39.7	−58.6	0.125	0.625	b28r	v00m		0.568	0.0	1.0	0.605	0.25	0.875

3 Colours no. *j*=825

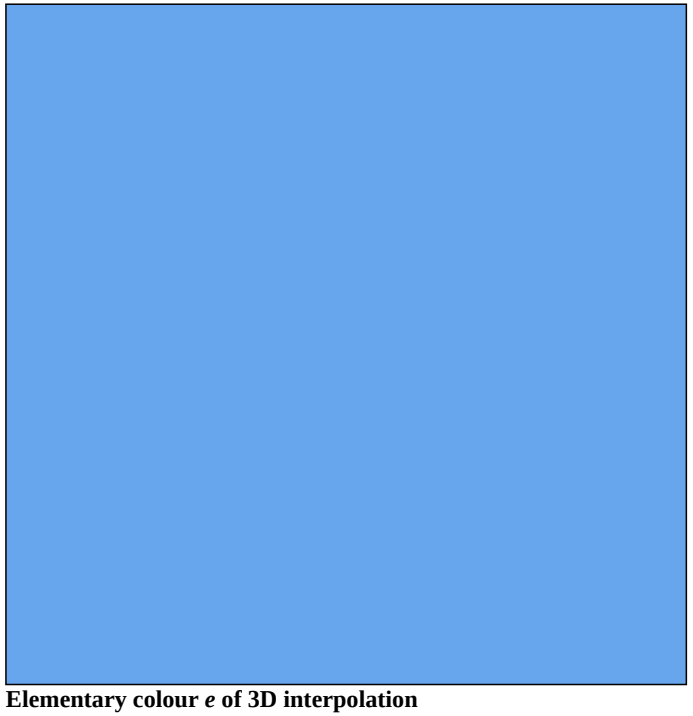
output of the elementary colour *e*:

***rgb* input (in):**				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.25	0.875	0.25	0.633	0.875	0.405	0.648	0.925
$rgb^*_{Fa,\ 8bit}$	64	64	223	64	161	223	103	165	236
L^*, C^*_{ab}, h_{ab}	41.3	71.1	298.9	63.8	35.8	271.7	71.0	32.1	274.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	48.2	48.2	3D−it:	8.2	8.2

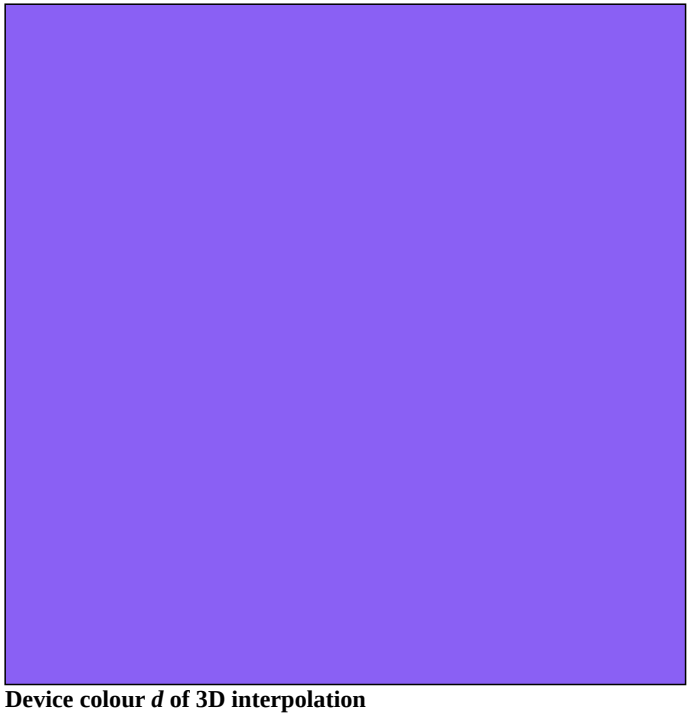
3 Colours no. *j*=825

output of the device colour *d*:

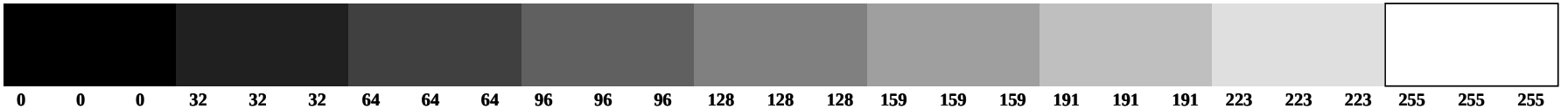
***rgb* input (in):**				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.25	0.875	0.605	0.25	0.875	0.541	0.375	0.956
$olv^*_{Fa,\ 8bit}$	64	64	223	154	64	223	138	96	244
L^*, C^*_{ab}, h_{ab}	41.3	71.1	298.9	53.7	70.8	304.1	61.2	71.6	309.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.9	13.9	3D−in:	23.6	23.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
826	0.125	0.125	0.875	270.0	60.5	57.3	271.7	1.7	−57.2	59.5	43.0	271.7	1.3	−42.9	0.125	0.75	b00r	c39v		0.0	0.613	1.0	0.125	0.585	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
826	0.125	0.125	0.875	270.0	44.2	113.3	304.1	63.5	−93.7	47.3	85.0	304.1	47.6	−70.3	0.125	0.75	b28r	v00m		0.568	0.0	1.0	0.551	0.125	0.875

3 Colours no. *j*=826

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.125	0.875	0.125	0.585	0.875	0.262	0.586	0.922
$rgb^*_{Fa,\ 8bit}$	32	32	223	32	149	223	67	149	235
L^*, C^*_{ab}, h_{ab}	33.0	89.7	302.2	59.5	43.0	271.7	65.0	41.5	275.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	62.8	62.8	3D−it:	6.5	6.5	

3 Colours no. *j*=826

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.125	0.875	0.551	0.125	0.875	0.427	0.267	0.96
$olv^*_{Fa,\ 8bit}$	32	32	223	141	32	223	109	68	245
L^*, C^*_{ab}, h_{ab}	33.0	89.7	302.2	47.3	85.0	304.1	56.1	79.9	306.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.3	15.3	3D−in:	26.0	26.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
827	0.0	0.0	0.875	270.0	60.5	57.3	271.7	1.7	−57.2	55.1	50.1	271.7	1.5	−50.0	0.125	0.875	b00r	c39v		0.0	0.613	1.0	0.0	0.536	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
827	0.0	0.0	0.875	270.0	44.2	113.3	304.1	63.5	−93.8	40.8	99.1	304.1	55.5	−82.0	0.125	0.875	b28r	v00m		0.568	0.0	1.0	0.497	0.0	0.875

3 Colours no. *j*=827

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.0	0.0	0.875	0.0	0.536	0.875	0.049	0.532	0.925
$rgb^*_{Fa,\ 8bit}$	0	0	223	0	137	223	13	136	236
L^*, C^*_{ab}, h_{ab}	28.8	99.8	304.0	55.1	50.1	271.7	62.4	46.7	277.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	68.6	68.6	3D−it:	9.3	9.3	

3 Colours no. *j*=827

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.0	0.0	0.875	0.497	0.0	0.875	0.287	0.168	0.965
$olv^*_{Fa,\ 8bit}$	0	0	223	127	0	223	73	43	246
L^*, C^*_{ab}, h_{ab}	28.8	99.8	304.0	40.8	99.1	304.1	46.8	99.4	306.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.1	12.1	3D−in:	18.5	18.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
828	1.0	1.0	0.75	90.0	83.7	89.8	92.3	−3.5	89.7	92.5	22.4	92.3	−0.8	22.4	0.0	0.25	r99j	o88y		1.0	0.884	0.0	1.0	0.971	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
828	1.0	1.0	0.75	90.0	90.1	102.2	101.8	−20.8	100.0	94.1	25.6	101.8	−5.1	25.0	0.0	0.25	j13g	o100y		0.865	1.0	0.0	0.966	1.0	0.75

3 Colours no. *j*=828

	rgb input (in):			output of the elementary colour *e*: linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.75	1.0	0.971	0.75	1.0	0.97	0.857
$rgb^*_{Fa,\ 8bit}$	255	255	191	255	248	191	255	247	219
L^*, C^*_{ab}, h_{ab}	94.0	36.9	106.0	92.5	22.4	92.3	94.4	24.3	77.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.1	16.1	3D−it:	6.6	6.6	

3 Colours no. *j*=828

	rgb input (in):			output of the device colour *d*: linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.75	0.966	1.0	0.75	1.0	0.993	0.856
$olv^*_{Fa,\ 8bit}$	255	255	191	246	255	191	255	253	218
L^*, C^*_{ab}, h_{ab}	94.0	36.9	106.0	94.1	25.6	101.8	94.4	26.5	97.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	11.4	11.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

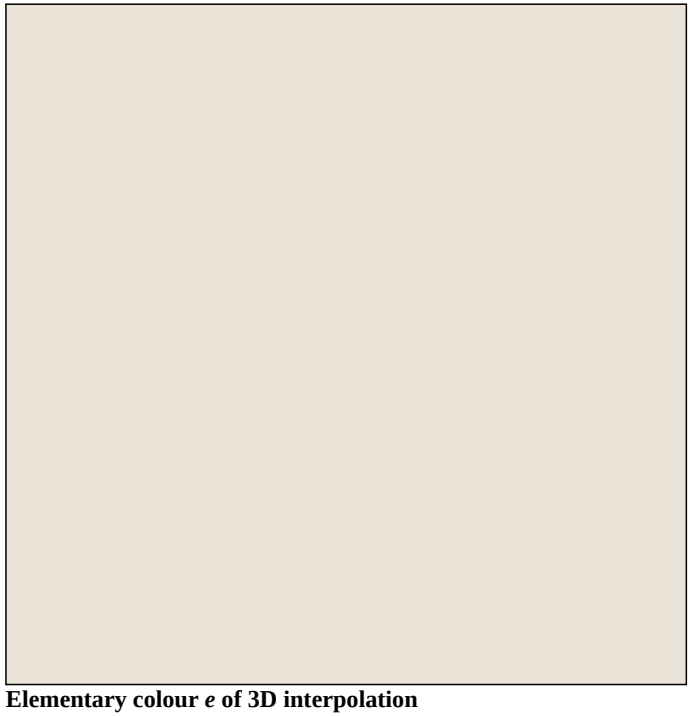
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
829	0.875	0.875	0.75	90.0	83.7	89.7	92.3	−3.4	89.7	84.2	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
829	0.875	0.875	0.75	90.0	90.1	102.2	101.8	−20.7	100.1	85.0	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.125	r99j	o88y		1.0	0.884	0.0	0.875	0.86	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.125	j13g	o100y		0.865	1.0	0.0	0.858	0.875	0.75

3 Colours no. *j*=829

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.75	0.875	0.86	0.75	0.914	0.896	0.842
$rgb^*_{Fa,\ 8bit}$	223	223	191	223	219	191	233	229	215
L^*, C^*_{ab}, h_{ab}	81.2	16.0	103.3	84.2	11.2	92.3	87.4	16.1	79.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.2	6.2	3D−it:	6.5	6.5

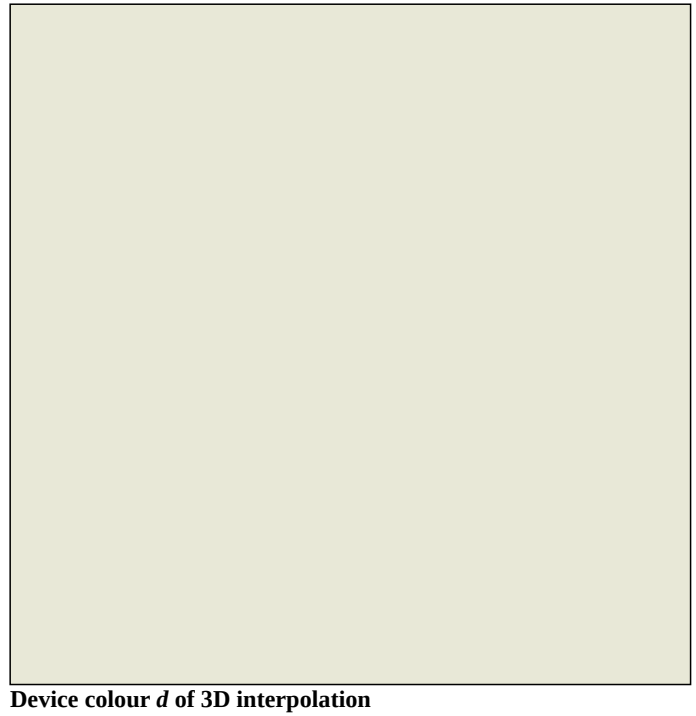


Elementary colour *e* of 3D interpolation

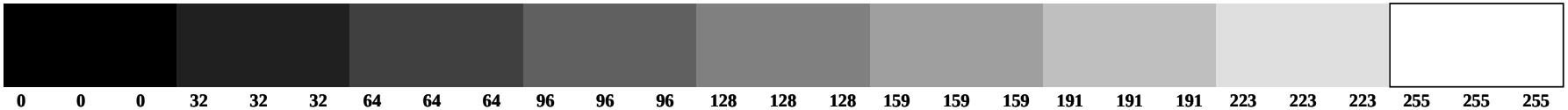
3 Colours no. *j*=829

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.75	0.858	0.875	0.75	0.91	0.908	0.842
$olv^*_{Fa,\ 8bit}$	223	223	191	219	223	191	232	231	215
L^*, C^*_{ab}, h_{ab}	81.2	16.0	103.3	85.0	12.8	101.8	89.0	15.9	95.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.0	5.0	3D−in:	8.1	8.1



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 830/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
830	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
830	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. *j*=830

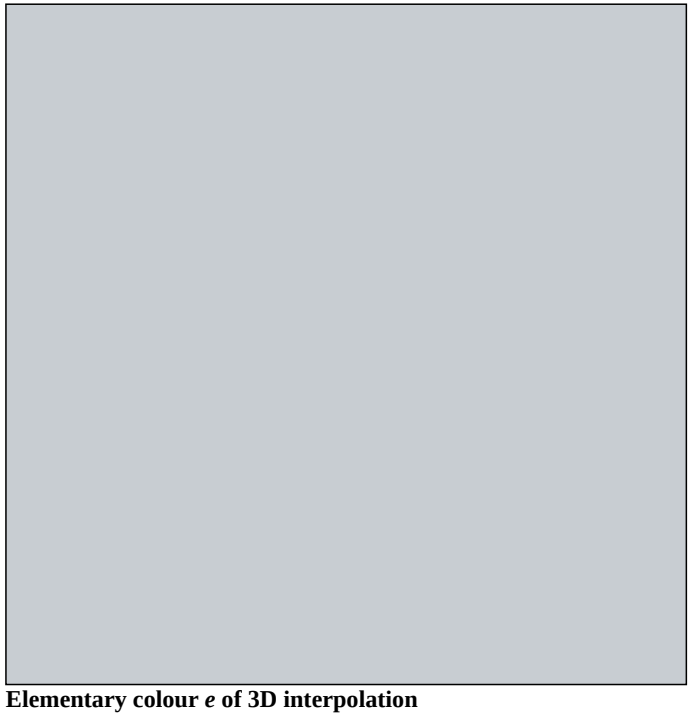
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.1	1.6	49.1	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.4	4.4	

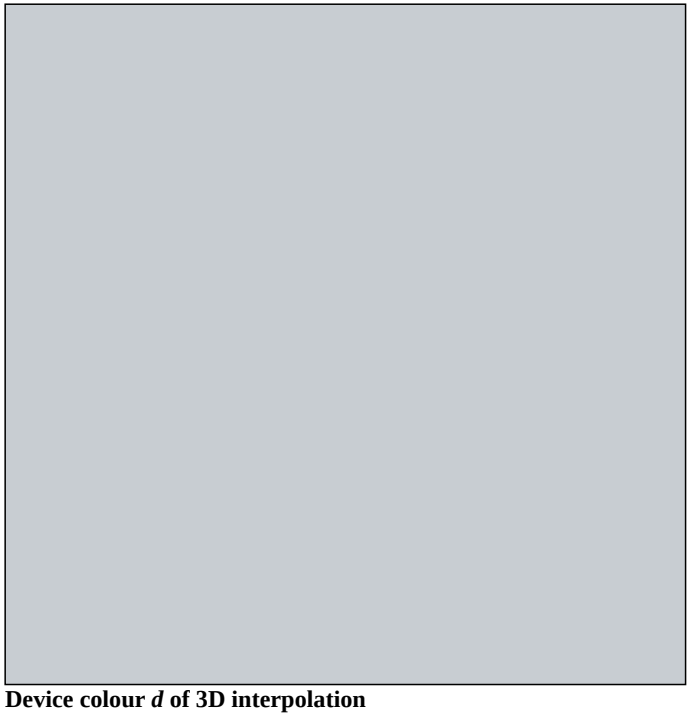
3 Colours no. *j*=830

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.1	1.6	49.1	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	8.0	8.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
831	0.625	0.625	0.75	270.0	60.4	57.4	271.8	1.8	−57.2	71.6	7.2	271.8	0.2	−7.1	0.25	0.125	b00r	c39v		0.0	0.613	1.0	0.625	0.702	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
831	0.625	0.625	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	69.6	14.2	304.1	7.9	−11.6	0.25	0.125	b28r	v00m		0.569	0.0	1.0	0.696	0.625	0.75

3 Colours no. *j*=831

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.75	0.625	0.702	0.75	0.7	0.751	0.826
$rgb^*_{Fa,\ 8bit}$	159	159	191	159	179	191	178	191	211
L^*, C^*_{ab}, h_{ab}	63.9	13.0	293.9	71.6	7.2	271.8	72.5	6.5	326.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−it:	6.4	6.4	

3 Colours no. *j*=831

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.75	0.696	0.625	0.75	0.726	0.699	0.839
$olv^*_{Fa,\ 8bit}$	159	159	191	178	159	191	185	178	214
L^*, C^*_{ab}, h_{ab}	63.9	13.0	293.9	69.6	14.2	304.1	72.5	15.0	314.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−in:	10.1	10.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
832	0.5	0.5	0.75	270.0	60.4	57.3	271.8	1.8	−57.2	67.2	14.3	271.8	0.4	−14.2	0.25	0.25	b00r	c39v		0.0	0.613	1.0	0.5	0.653	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
832	0.5	0.5	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	63.2	28.3	304.1	15.9	−23.4	0.25	0.25	b28r	v00m		0.569	0.0	1.0	0.642	0.5	0.75

3 Colours no. *j*=832

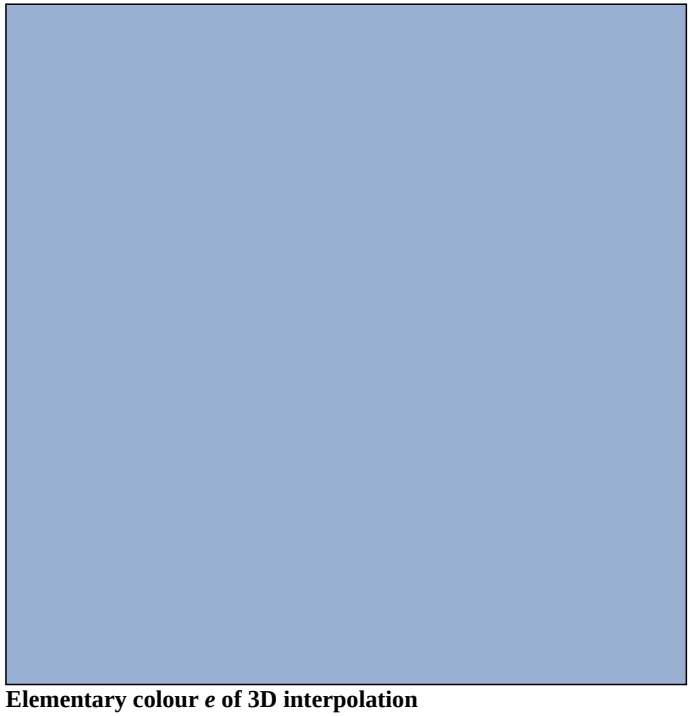
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.5	0.75	0.5	0.653	0.75	0.605	0.69	0.826
$rgb^*_{Fa,\ 8bit}$	128	128	191	128	167	191	154	176	211
L^*, C^*_{ab}, h_{ab}	56.2	26.4	292.8	67.2	14.3	271.8	70.7	14.3	284.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.9	17.9	3D−it:	4.6	4.6	

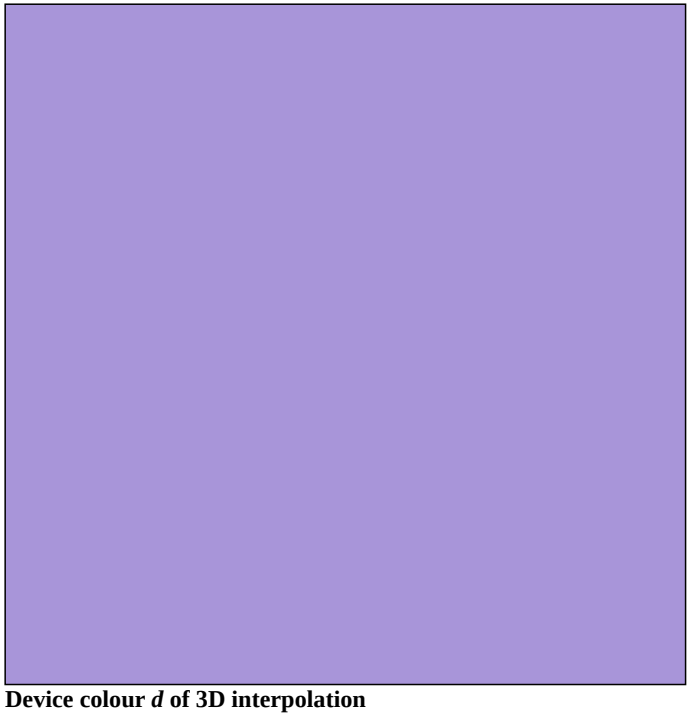
3 Colours no. *j*=832

output of the device colour *d*:

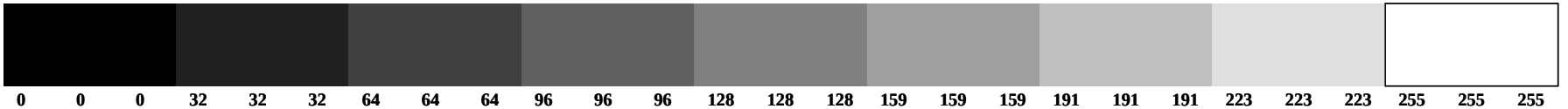
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.5	0.75	0.642	0.5	0.75	0.66	0.585	0.852
$olv^*_{Fa,\ 8bit}$	128	128	191	164	128	191	168	149	217
L^*, C^*_{ab}, h_{ab}	56.2	26.4	292.8	63.2	28.3	304.1	66.5	27.5	312.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.0	9.0	3D−in:	13.9	13.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
833	0.375	0.375	0.375	270.0	60.4	57.3	271.8	1.8	−57.2	62.9	21.5	271.8	0.7	−21.4	0.25	0.375	b00r	c39v		0.0	0.613	1.0	0.375	0.605	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
833	0.375	0.375	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	56.8	42.5	304.1	23.8	−35.1	0.25	0.375	b28r	v00m		0.569	0.0	1.0	0.588	0.375	0.75

3 Colours no. *j*=833

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.75	0.375	0.605	0.75	0.505	0.629	0.826
$rgb^*_{Fa,\ 8bit}$	96	96	191	96	154	191	129	160	211
L^*, C^*_{ab}, h_{ab}	48.1	41.4	294.8	62.9	21.5	271.8	62.9	16.6	281.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	27.5	27.5	3D−it:	5.9	5.9	

3 Colours no. *j*=833

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.75	0.588	0.375	0.75	0.583	0.469	0.864
$olv^*_{Fa,\ 8bit}$	96	96	191	150	96	191	149	120	220
L^*, C^*_{ab}, h_{ab}	48.1	41.4	294.8	56.8	42.5	304.1	58.9	41.0	307.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−in:	13.9	13.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
834	0.25	0.25	0.75	270.0	60.4	57.3	271.7	1.7	−57.2	58.5	28.7	271.7	0.9	−28.5	0.25	0.5	b00r	c39v		0.0	0.613	1.0	0.25	0.556	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
834	0.25	0.25	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	50.3	56.6	304.1	31.7	−46.8	0.25	0.5	b28r	v00m		0.568	0.0	1.0	0.534	0.25	0.75

3 Colours no. *j*=834

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.75	0.25	0.556	0.75	0.394	0.569	0.826
$rgb^*_{Fa,\ 8bit}$	64	64	191	64	142	191	100	145	211
L^*, C^*_{ab}, h_{ab}	39.8	57.9	297.8	58.5	28.7	271.7	62.8	26.9	277.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	39.3	39.3	3D−it:	5.3	5.3	

3 Colours no. *j*=834

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.75	0.534	0.25	0.75	0.497	0.359	0.875
$olv^*_{Fa,\ 8bit}$	64	64	191	136	64	191	127	91	223
L^*, C^*_{ab}, h_{ab}	39.8	57.9	297.8	50.3	56.6	304.1	51.2	56.5	306.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.4	12.4	3D−in:	14.4	14.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
835	0.125	0.125	0.75	270.0	60.5	57.3	271.7	1.7	−57.2	54.1	35.8	271.7	1.1	−35.7	0.25	0.625	b00r	c39v		0.0	0.613	1.0	0.125	0.508	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
835	0.125	0.125	0.75	270.0	44.2	113.3	304.1	63.5	−93.7	43.9	70.8	304.1	39.7	−58.6	0.25	0.625	b28r	v00m		0.568	0.0	1.0	0.48	0.125	0.75

3 Colours no. *j*=835

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.75	0.125	0.508	0.75	0.266	0.51	0.826
$rgb^*_{Fa,\ 8bit}$	32	32	191	32	130	191	68	130	211
L^*, C^*_{ab}, h_{ab}	31.0	77.6	301.6	54.1	35.8	271.7	54.3	30.6	277.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	54.9	54.9	3D−it:	6.2	6.2	

3 Colours no. *j*=835

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.75	0.48	0.125	0.75	0.393	0.256	0.88
$olv^*_{Fa,\ 8bit}$	32	32	191	122	32	191	100	65	224
L^*, C^*_{ab}, h_{ab}	31.0	77.6	301.6	43.9	70.8	304.1	44.7	71.2	304.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.0	15.0	3D−in:	15.6	15.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$	n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$	$olv^*_{3Fae,it}$
836	0.0 0.0 0.75	270.0	60.5 57.3 271.7 1.7 −57.2	49.8 43.0 271.7 1.3 −42.9	0.25	0.75	b00r	c39v		0.0 0.613 1.0	0.0 0.46 0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$	n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$	$rgb^*_{3Fad,it}$
836	0.0 0.0 0.75	270.0	44.2 113.3 304.1 63.5 −93.7	37.5 85.0 304.1 47.6 −70.3	0.25	0.75	b28r	v00m		0.568 0.0 1.0	0.426 0.0 0.75

3 Colours no. *j*=836

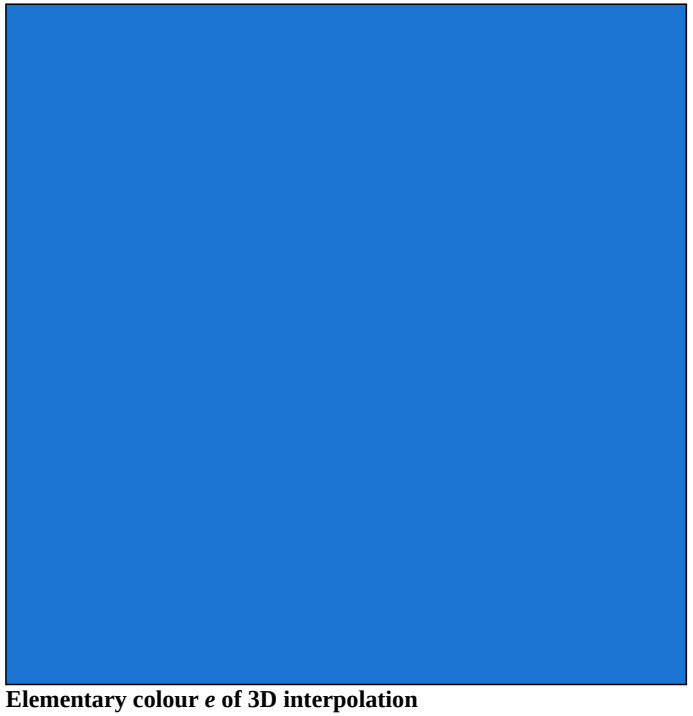
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.75	0.0	0.46	0.75	0.104	0.453	0.823
$rgb^*_{Fa,\ 8bit}$	0	0	191	0	117	191	27	115	210
L^*, C^*_{ab}, h_{ab}	26.4	88.1	303.6	49.8	43.0	271.7	52.8	42.9	274.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	61.0	61.0	3D−it:	3.7	3.7	

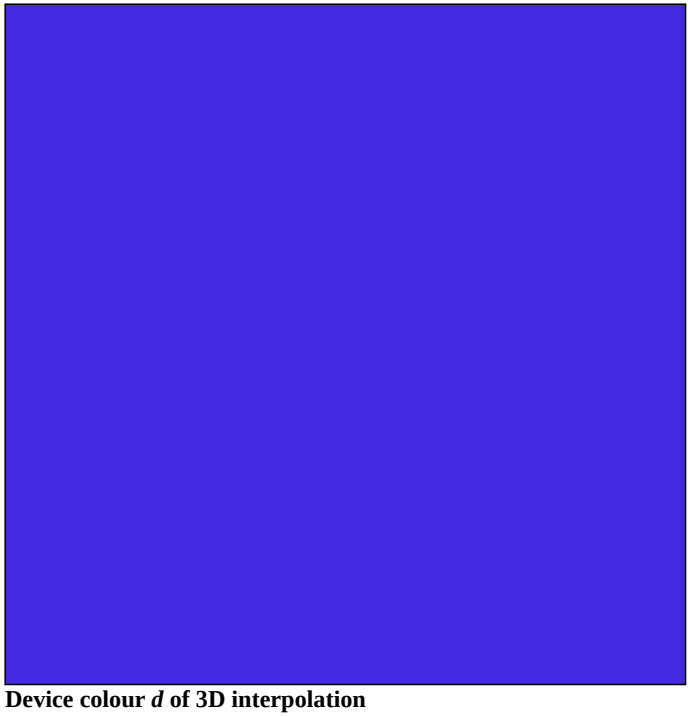
3 Colours no. *j*=836

output of the device colour *d*:

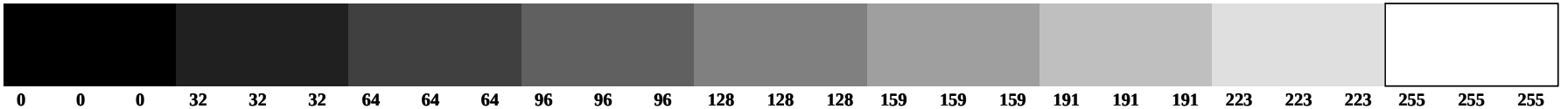
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.75	0.426	0.0	0.75	0.266	0.163	0.884
$olv^*_{Fa,\ 8bit}$	0	0	191	109	0	191	68	42	226
L^*, C^*_{ab}, h_{ab}	26.4	88.1	303.6	37.5	85.0	304.1	40.0	85.4	306.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	14.7	14.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
837	1.0	1.0	0.625	90.0	83.7	89.8	92.3	−3.5	89.7	91.0	33.7	92.3	−1.2	33.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
837	1.0	1.0	0.625	90.0	90.1	102.2	101.8	−20.8	100.0	93.4	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.375	r99j	o88y		1.0	0.884	0.0	1.0	0.957	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.375	j13g	o100y		0.864	1.0	0.0	0.949	1.0	0.625

3 Colours no. *j*=837

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.625	1.0	0.957	0.625	1.0	0.955	0.719
$rgb^*_{Fa,\ 8bit}$	255	255	159	255	244	159	255	244	183
L^*, C^*_{ab}, h_{ab}	93.7	47.8	105.4	91.0	33.7	92.3	94.0	36.3	78.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.0	17.0	3D−it:	9.4	9.4

3 Colours no. *j*=837

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.625	0.949	1.0	0.625	1.0	0.99	0.716
$olv^*_{Fa,\ 8bit}$	255	255	159	242	255	159	255	252	183
L^*, C^*_{ab}, h_{ab}	93.7	47.8	105.4	93.4	38.3	101.8	94.0	39.9	98.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.9	9.9	3D−in:	9.7	9.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
838	0.875	0.875	0.625	90.0	83.7	89.8	92.3	−3.5	89.7	82.8	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
838	0.875	0.875	0.625	90.0	90.1	102.2	101.8	−20.8	100.0	84.4	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.25	r99j	o88y		1.0	0.884	0.0	0.875	0.846	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.25	j13g	o100y		0.865	1.0	0.0	0.841	0.875	0.625

3 Colours no. *j*=838

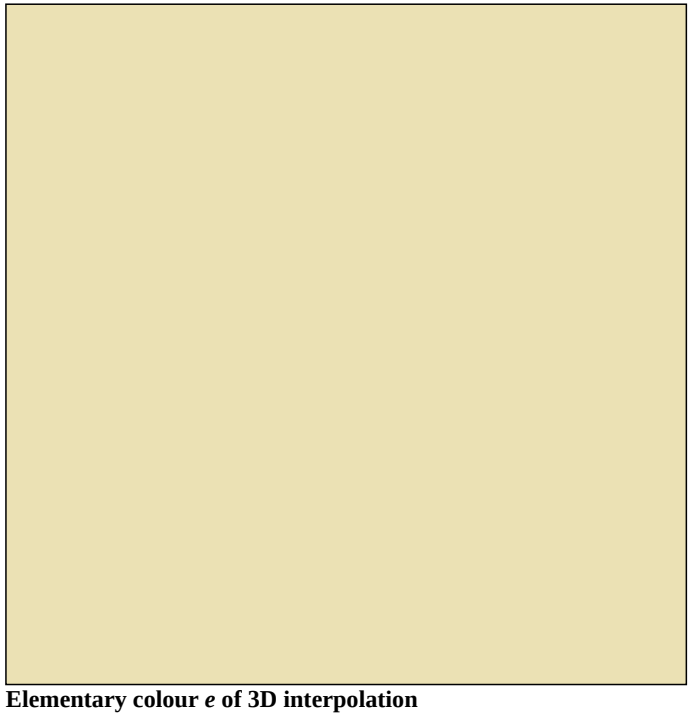
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.625	0.875	0.846	0.625	0.923	0.881	0.705
$rgb^*_{Fa,\ 8bit}$	223	223	159	223	216	159	235	225	180
L^*, C^*_{ab}, h_{ab}	80.9	27.4	104.5	82.8	22.4	92.3	84.5	29.1	86.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−it:	7.4	7.4	

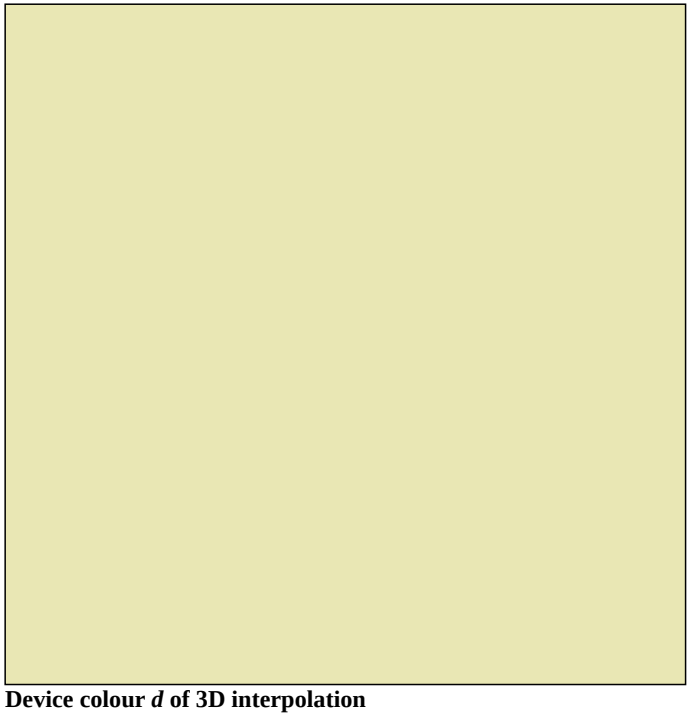
3 Colours no. *j*=838

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.625	0.841	0.875	0.625	0.914	0.904	0.704
$olv^*_{Fa,\ 8bit}$	223	223	159	214	223	159	233	231	179
L^*, C^*_{ab}, h_{ab}	80.9	27.4	104.5	84.4	25.6	101.8	88.0	27.0	97.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	7.9	7.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
839	0.75	0.75	0.625	90.0	83.7	89.7	92.3	−3.4	89.7	74.5	11.2	92.3	−0.3	11.2
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
839	0.75	0.75	0.625	90.0	90.1	102.2	101.8	−20.7	100.1	75.3	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.125	r99j	o88y		1.0	0.884	0.0	0.75	0.735	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.125	j13g	o100y		0.865	1.0	0.0	0.733	0.75	0.625

3 Colours no. *j*=839

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.625	0.75	0.735	0.625	0.803	0.782	0.688
$rgb^*_{Fa,\ 8bit}$	191	191	159	191	188	159	205	200	175
L^*, C^*_{ab}, h_{ab}	71.6	12.4	102.2	74.5	11.2	92.3	77.6	12.4	81.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.7	3.7	3D−it:	4.0	4.0

3 Colours no. *j*=839

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.625	0.733	0.75	0.625	0.798	0.798	0.687
$olv^*_{Fa,\ 8bit}$	191	191	159	187	191	159	203	204	175
L^*, C^*_{ab}, h_{ab}	71.6	12.4	102.2	75.3	12.8	101.8	79.2	13.0	101.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.7	3.7	3D−in:	7.6	7.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
840	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
840	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=840

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.4	1.5	316.4	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	3.4	3.4	

3 Colours no. *j*=840

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.4	1.5	316.4	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.3	6.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
841	0.5	0.5	0.625	270.0	60.4	57.4	271.8	1.8	−57.2	61.9	7.2	271.8	0.2	−7.1	0.375	0.125	b00r	c39v		0.0	0.613	1.0	0.5	0.577	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
841	0.5	0.5	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	59.8	14.2	304.1	7.9	−11.6	0.375	0.125	b28r	v00m		0.569	0.0	1.0	0.571	0.5	0.625

3 Colours no. *j*=841

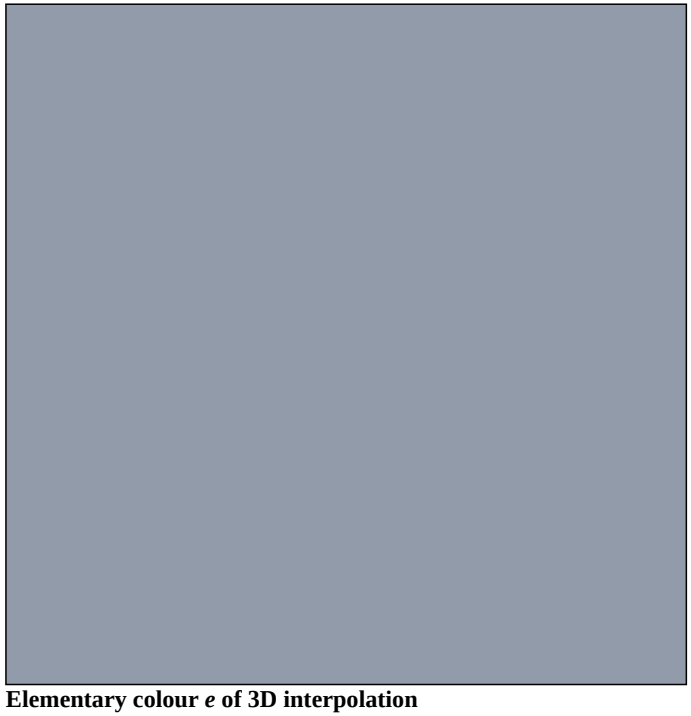
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.625	0.5	0.577	0.625	0.568	0.609	0.668
$rgb^*_{Fa,\ 8bit}$	128	128	159	128	147	159	145	155	170
L^*, C^*_{ab}, h_{ab}	55.5	14.5	291.4	61.9	7.2	271.8	63.7	5.8	334.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.3	10.3	3D−it:	7.1	7.1

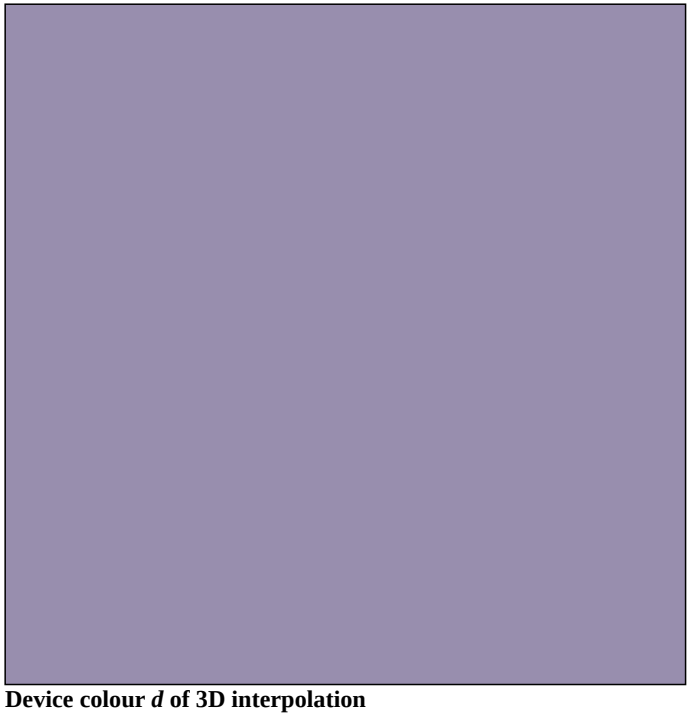
3 Colours no. *j*=841

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.625	0.571	0.5	0.625	0.595	0.557	0.683
$olv^*_{Fa,\ 8bit}$	128	128	159	146	128	159	152	142	174
L^*, C^*_{ab}, h_{ab}	55.5	14.5	291.4	59.8	14.2	304.1	63.7	15.7	312.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.4	5.4	3D−in:	9.9	9.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
842	0.375	0.375	0.625	270.0	60.4	57.3	271.8	1.8	−57.2	57.5	14.3	271.8	0.4	−14.2	0.375	0.25	b00r	c39v		0.0	0.613	1.0	0.375	0.528	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
842	0.375	0.375	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	53.4	28.3	304.1	15.9	−23.4	0.375	0.25	b28r	v00m		0.569	0.0	1.0	0.517	0.375	0.625

3 Colours no. *j*=842

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.625	0.375	0.528	0.625	0.473	0.547	0.668
$rgb^*_{Fa,\ 8bit}$	96	96	159	96	135	159	121	140	170
L^*, C^*_{ab}, h_{ab}	47.3	29.2	293.0	57.5	14.3	271.8	62.0	14.3	283.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.6	19.6	3D−it:	5.4	5.4	

3 Colours no. *j*=842

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.625	0.517	0.375	0.625	0.525	0.444	0.697
$olv^*_{Fa,\ 8bit}$	96	96	159	132	96	159	134	113	178
L^*, C^*_{ab}, h_{ab}	47.3	29.2	293.0	53.4	28.3	304.1	58.0	27.3	310.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	13.8	13.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
843	0.25	0.25	0.625	270.0	60.4	57.3	271.8	1.8	−57.2	53.1	21.5	271.8	0.7	−21.4	0.375	0.375	b00r	c39v		0.0	0.613	1.0	0.25	0.48	0.625
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
843	0.25	0.25	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	47.0	42.5	304.1	23.8	−35.1	0.375	0.375	b28r	v00m		0.569	0.0	1.0	0.463	0.25	0.625

3 Colours no. *j*=843

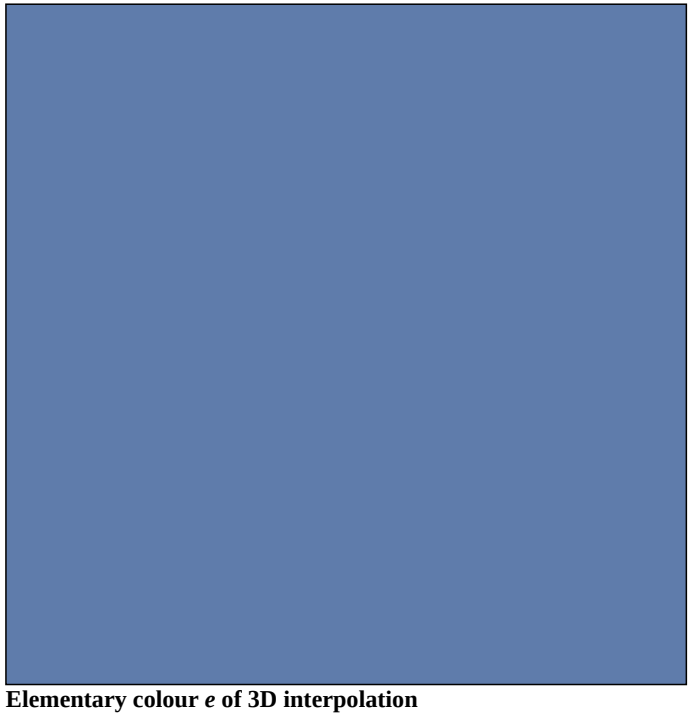
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.625	0.25	0.48	0.625	0.371	0.487	0.669
$rgb^*_{Fa,\ 8bit}$	64	64	159	64	122	159	95	124	171
L^*, C^*_{ab}, h_{ab}	38.7	45.7	296.4	53.1	21.5	271.8	54.3	16.0	280.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	31.2	31.2	3D−it:	6.3	6.3	

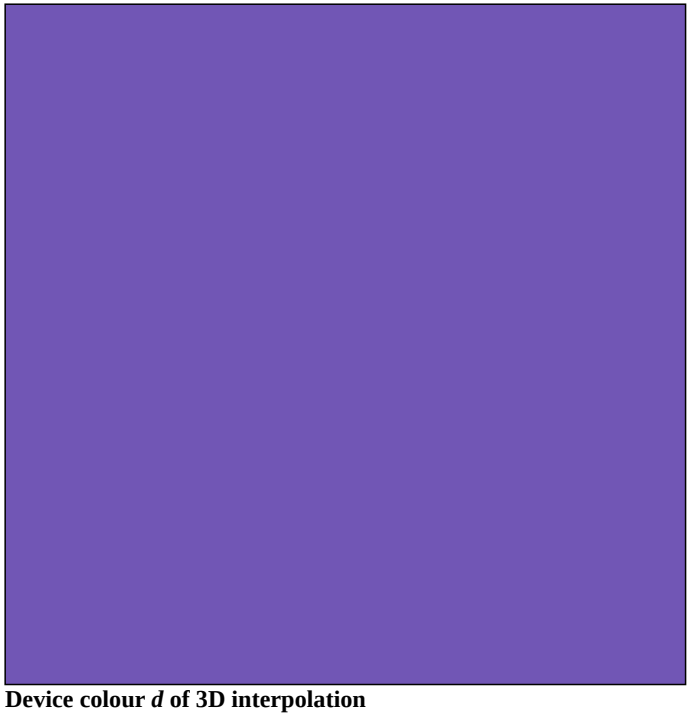
3 Colours no. *j*=843

output of the device colour *d*:

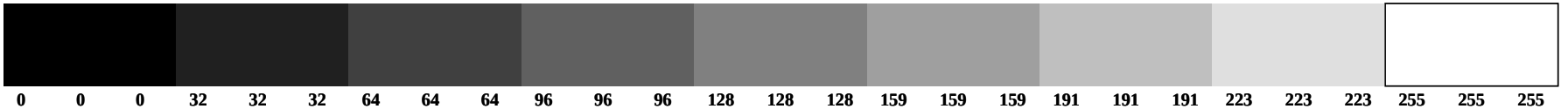
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.625	0.463	0.25	0.625	0.443	0.337	0.71
$olv^*_{Fa,\ 8bit}$	64	64	159	118	64	159	113	86	181
L^*, C^*_{ab}, h_{ab}	38.7	45.7	296.4	47.0	42.5	304.1	50.1	41.5	305.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−in:	13.9	13.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
844	0.125	0.125	0.625	270.0	60.4	57.3	271.7	1.7	−57.2	48.8	28.7	271.7	0.9	−28.5	0.375	0.5	b00r	c39v		0.0	0.613	1.0	0.125	0.431	0.625
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
844	0.125	0.125	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	40.6	56.6	304.1	31.7	−46.8	0.375	0.5	b28r	v00m		0.568	0.0	1.0	0.409	0.125	0.625

3 Colours no. *j*=844

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.625	0.125	0.431	0.625	0.255	0.432	0.669
$rgb^*_{Fa,\ 8bit}$	32	32	159	32	110	159	65	110	171
L^*, C^*_{ab}, h_{ab}	29.3	65.5	300.7	48.8	28.7	271.7	52.9	28.2	280.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	46.9	46.9	3D−it:	6.0	6.0

3 Colours no. *j*=844

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.625	0.409	0.125	0.625	0.351	0.238	0.721
$olv^*_{Fa,\ 8bit}$	32	32	159	104	32	159	90	61	184
L^*, C^*_{ab}, h_{ab}	29.3	65.5	300.7	40.6	56.6	304.1	41.8	56.6	305.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.8	14.8	3D−in:	16.0	16.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
845	0.0	0.0	0.625	270.0	60.5	57.3	271.7	1.7	−57.2	44.4	35.8	271.7	1.1	−35.7	0.375	0.625	b00r	c39v		0.0	0.613	1.0	0.0	0.383	0.625
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
845	0.0	0.0	0.625	270.0	44.2	113.3	304.1	63.5	−93.7	34.2	70.8	304.1	39.7	−58.6	0.375	0.625	b28r	v00m		0.568	0.0	1.0	0.355	0.0	0.625

3 Colours no. *j*=845

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.625	0.0	0.383	0.625	0.131	0.378	0.669
$rgb^*_{Fa,\ 8bit}$	0	0	159	0	98	159	33	96	171
L^*, C^*_{ab}, h_{ab}	24.4	76.8	303.0	44.4	35.8	271.7	44.9	32.4	276.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	53.6	53.6	3D−it:	4.6	4.6	

3 Colours no. *j*=845

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.625	0.355	0.0	0.625	0.242	0.152	0.736
$olv^*_{Fa,\ 8bit}$	0	0	159	91	0	159	62	39	188
L^*, C^*_{ab}, h_{ab}	24.4	76.8	303.0	34.2	70.8	304.1	35.3	71.1	308.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	14.2	14.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
846	1.0	1.0	0.5	90.0	83.7	89.8	92.3	−3.5	89.7	89.6	44.9	92.3	−1.7	44.9	0.0	0.5	r99j	o88y		1.0	0.884	0.0	1.0	0.942	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
846	1.0	1.0	0.5	90.0	90.1	102.2	101.8	−20.8	100.0	92.8	51.1	101.8	−10.3	50.0	0.0	0.5	j13g	o100y		0.864	1.0	0.0	0.932	1.0	0.5

3 Colours no. *j*=846

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.5	1.0	0.942	0.5	1.0	0.94	0.57
$rgb^*_{Fa,\ 8bit}$	255	255	128	255	240	128	255	240	145
L^*, C^*_{ab}, h_{ab}	93.5	58.6	104.6	89.6	44.9	92.3	95.5	47.4	85.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	18.1	18.1	3D−it:	8.7	8.7

3 Colours no. *j*=846

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.5	0.932	1.0	0.5	1.0	0.986	0.565
$olv^*_{Fa,\ 8bit}$	255	255	128	238	255	128	255	251	144
L^*, C^*_{ab}, h_{ab}	93.5	58.6	104.6	92.8	51.1	101.8	93.8	54.5	98.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.0	8.0	3D−in:	7.1	7.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
847	0.875	0.875	0.5	90.0	83.7	89.8	92.3	−3.5	89.7	81.3	33.7	92.3	−1.2	33.6
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
847	0.875	0.875	0.5	90.0	90.1	102.2	101.8	−20.8	100.0	83.7	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.375	r99j	o88y		1.0	0.884	0.0	0.875	0.832	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.375	j13g	o100y		0.864	1.0	0.0	0.824	0.875	0.5

3 Colours no. *j*=847

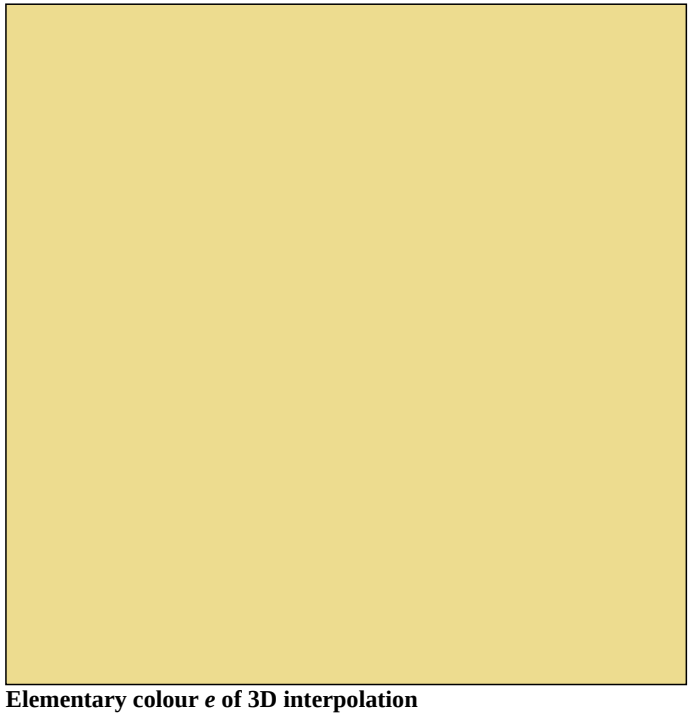
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.5	0.875	0.832	0.5	0.928	0.864	0.559
$rgb^*_{Fa,\ 8bit}$	223	223	128	223	212	128	237	220	143
L^*, C^*_{ab}, h_{ab}	80.5	38.6	104.4	81.3	33.7	92.3	83.9	36.3	79.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−it:	8.5	8.5	

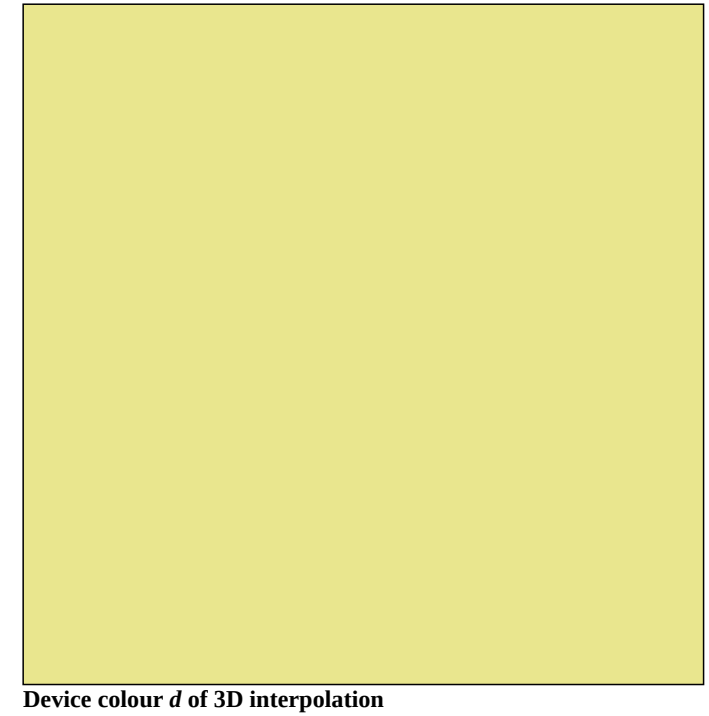
3 Colours no. *j*=847

output of the device colour *d*:

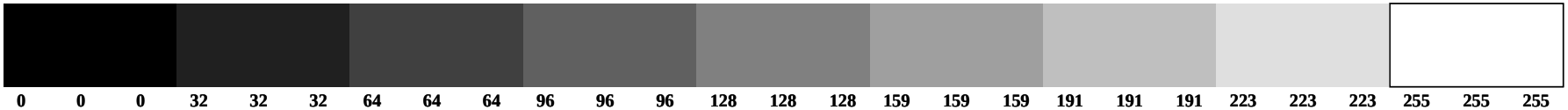
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.5	0.824	0.875	0.5	0.915	0.9	0.556
$olv^*_{Fa,\ 8bit}$	223	223	128	210	223	128	233	230	142
L^*, C^*_{ab}, h_{ab}	80.5	38.6	104.4	83.7	38.3	101.8	87.0	38.1	99.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	7.4	7.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
848	0.75	0.75	0.5	90.0	83.7	89.8	92.3	−3.5	89.7	73.0	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
848	0.75	0.75	0.5	90.0	90.1	102.2	101.8	−20.8	100.0	74.7	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.25	r99j	o88y		1.0	0.884	0.0	0.75	0.721	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.25	j13g	o100y		0.865	1.0	0.0	0.716	0.75	0.5

3 Colours no. *j*=848

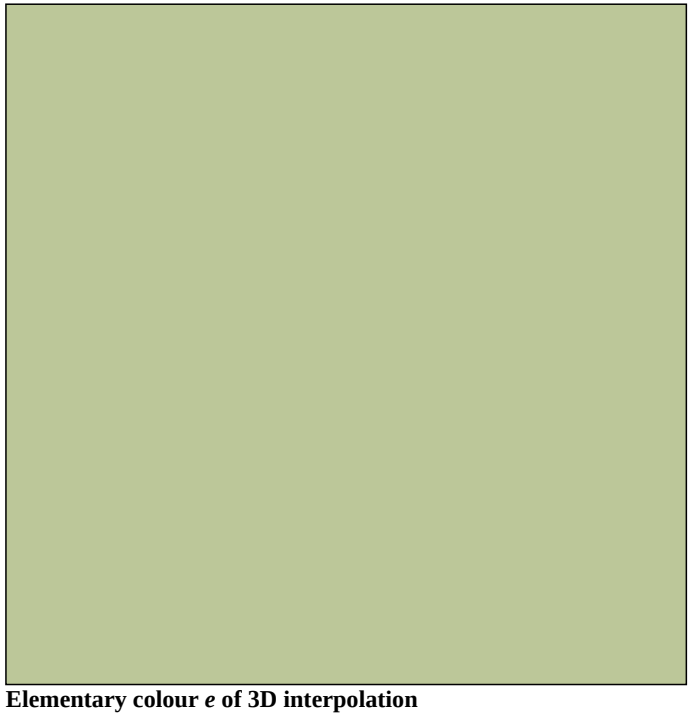
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.5	0.75	0.721	0.5	0.736	0.782	0.599
$rgb^*_{Fa,\ 8bit}$	191	191	128	191	184	128	188	199	153
L^*, C^*_{ab}, h_{ab}	71.3	23.9	104.1	73.0	22.4	92.3	73.3	27.5	80.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.3	5.3	3D−it:	7.1	7.1	

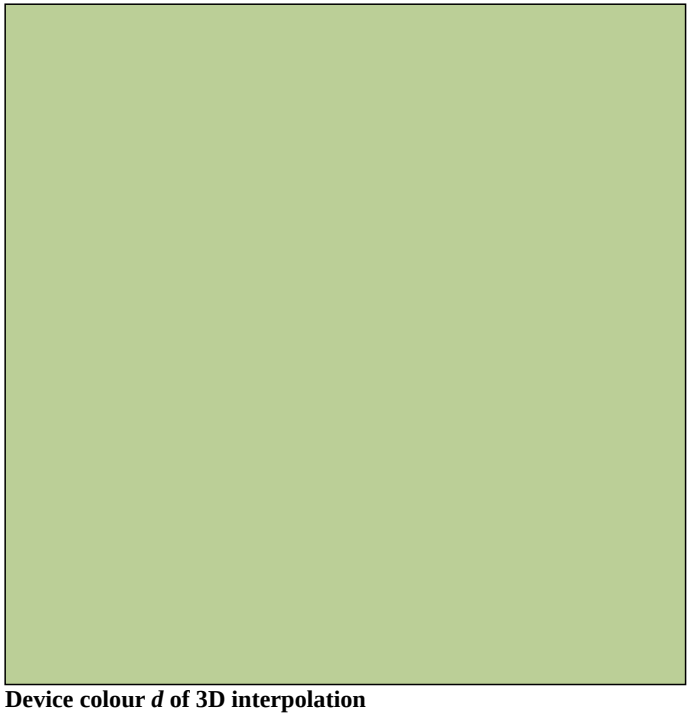
3 Colours no. *j*=848

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.5	0.716	0.75	0.5	0.733	0.81	0.591
$olv^*_{Fa,\ 8bit}$	191	191	128	183	191	128	187	207	151
L^*, C^*_{ab}, h_{ab}	71.3	23.9	104.1	74.7	25.6	101.8	80.7	27.0	97.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	10.3	10.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
849	0.625	0.625	0.5	90.0	83.7	89.7	92.3	−3.4	89.7	64.8	11.2	92.3	−0.3	11.2	0.375	0.125	r99j	o88y		1.0	0.884	0.0	0.625	0.61	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
849	0.625	0.625	0.5	90.0	90.1	102.2	101.8	−20.7	100.1	65.6	12.8	101.8	−2.5	12.5	0.375	0.125	j13g	o100y		0.865	1.0	0.0	0.608	0.625	0.5

3 Colours no. *j*=849

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.5	0.625	0.61	0.5	0.653	0.651	0.54
$rgb^*_{Fa,\ 8bit}$	159	159	128	159	156	128	166	166	138
L^*, C^*_{ab}, h_{ab}	62.9	10.5	105.5	64.8	11.2	92.3	66.9	12.3	80.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.2	3.2	3D−it:	3.4	3.4

3 Colours no. *j*=849

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.5	0.608	0.625	0.5	0.644	0.67	0.542
$olv^*_{Fa,\ 8bit}$	159	159	128	155	159	128	164	171	138
L^*, C^*_{ab}, h_{ab}	62.9	10.5	105.5	65.6	12.8	101.8	68.5	14.9	98.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.6	3.6	3D−in:	7.3	7.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
850	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
850	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=850

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	55.0	2.4	285.1	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−it:	2.7	2.7	

3 Colours no. *j*=850

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	55.0	2.4	285.1	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−in:	5.5	5.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
851	0.375	0.375	0.5	270.0	60.4	57.4	271.8	1.8	−57.2	52.2	7.2	271.8	0.2	−7.1	0.5	0.125	b00r	c39v		0.0	0.613	1.0	0.375	0.452	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
851	0.375	0.375	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	50.1	14.2	304.1	7.9	−11.6	0.5	0.125	b28r	v00m		0.569	0.0	1.0	0.446	0.375	0.5

3 Colours no. *j*=851

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.375	0.375	0.5	0.375	0.452	0.5	0.436	0.466	0.508
$rgb^*_{Fa,\ 8bit}$	96	96	128	96	115	128	111	119	130
L^*, C^*_{ab}, h_{ab}	46.6	16.9	290.5	52.2	7.2	271.8	54.9	2.2	284.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.8	11.8	3D−it:	5.8	5.8	

3 Colours no. *j*=851

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.375	0.375	0.5	0.446	0.375	0.5	0.462	0.417	0.522
$olv^*_{Fa,\ 8bit}$	96	96	128	114	96	128	118	106	133
L^*, C^*_{ab}, h_{ab}	46.6	16.9	290.5	50.1	14.2	304.1	55.4	14.7	316.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.8	5.8	3D−in:	11.6	11.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
852	0.25	0.25	0.5	270.0	60.4	57.3	271.8	1.8	−57.2	47.8	14.3	271.8	0.4	−14.2	0.5	0.25	b00r	c39v		0.0	0.613	1.0	0.25	0.403	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
852	0.25	0.25	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	43.7	28.3	304.1	15.9	−23.4	0.5	0.25	b28r	v00m		0.569	0.0	1.0	0.392	0.25	0.5

3 Colours no. *j*=852

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.5	0.25	0.403	0.5	0.343	0.409	0.509
$rgb^*_{Fa,\ 8bit}$	64	64	128	64	103	128	88	104	130
L^*, C^*_{ab}, h_{ab}	37.8	33.1	294.7	47.8	14.3	271.8	49.1	14.2	294.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.0	23.0	3D−it:	5.7	5.7	

3 Colours no. *j*=852

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.5	0.392	0.25	0.5	0.39	0.314	0.536
$olv^*_{Fa,\ 8bit}$	64	64	128	100	64	128	99	80	137
L^*, C^*_{ab}, h_{ab}	37.8	33.1	294.7	43.7	28.3	304.1	49.3	29.9	309.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−in:	14.5	14.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
853	0.125	0.125	0.5	270.0	60.4	57.3	271.8	1.8	−57.2	43.4	21.5	271.8	0.7	−21.4	0.5	0.375	b00r	c39v			0.0	0.613	1.0	0.125	0.355	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
853	0.125	0.125	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	37.3	42.5	304.1	23.8	−35.1	0.5	0.375	b28r	v00m			0.569	0.0	1.0	0.338	0.125	0.5

3 Colours no. *j*=853

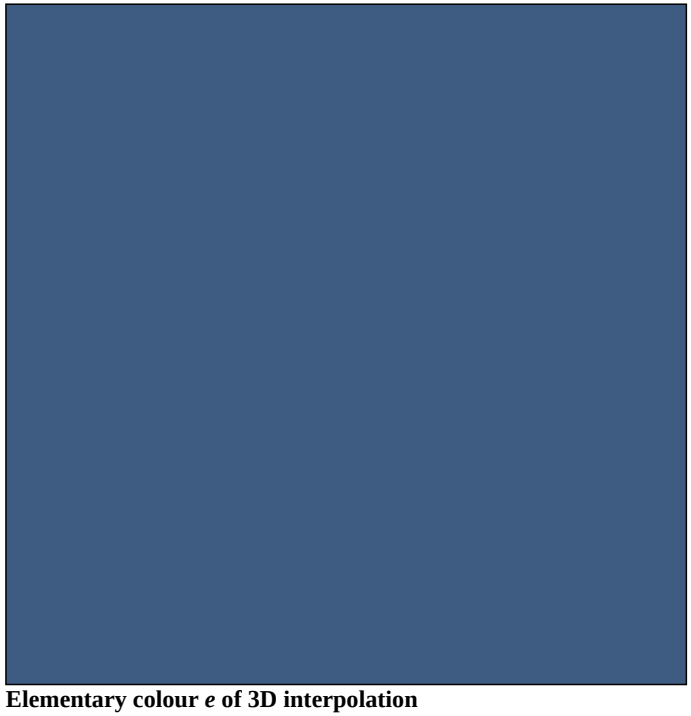
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.5	0.125	0.355	0.5	0.242	0.355	0.51
$rgb^*_{Fa,\ 8bit}$	32	32	128	32	90	128	62	91	130
L^*, C^*_{ab}, h_{ab}	28.0	52.9	299.5	43.4	21.5	271.8	44.7	19.0	279.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	38.6	38.6	3D−it:	4.0	4.0	

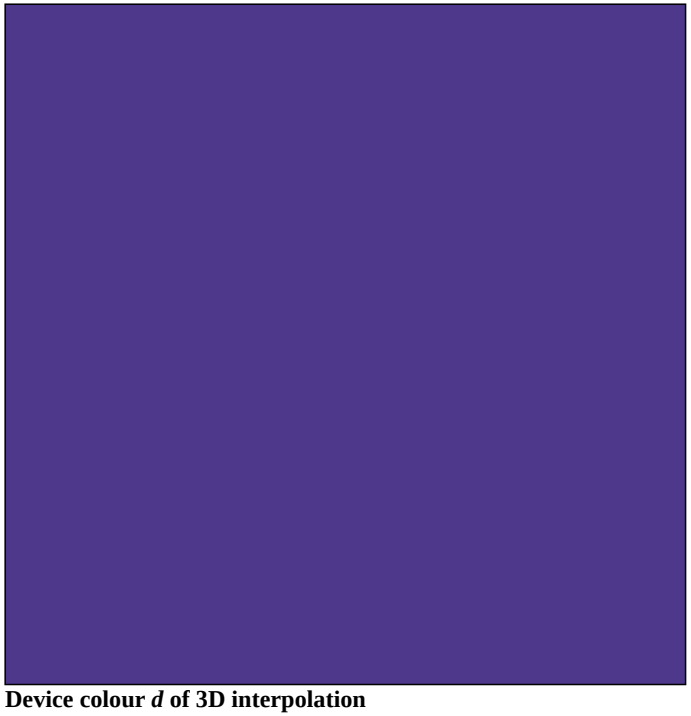
3 Colours no. *j*=853

output of the device colour *d*:

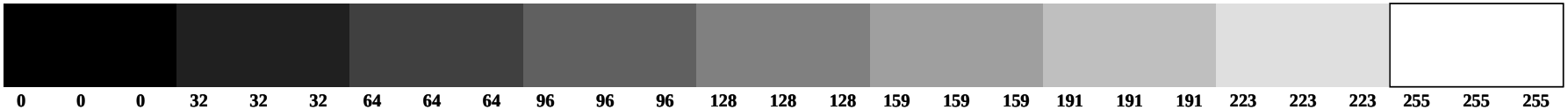
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.5	0.338	0.125	0.5	0.307	0.219	0.549
$olv^*_{Fa,\ 8bit}$	32	32	128	86	32	128	78	56	140
L^*, C^*_{ab}, h_{ab}	28.0	52.9	299.5	37.3	42.5	304.1	40.8	42.7	308.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.5	14.5	3D−in:	18.0	18.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
854	0.0	0.0	0.5	270.0	60.4	57.3	271.7	1.7	−57.2	39.1	28.7	271.7	0.9	−28.5	0.5	0.5	b00r	c39v		0.0	0.613	1.0	0.0	0.306	0.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
854	0.0	0.0	0.5	270.0	44.2	113.3	304.1	63.5	−93.7	30.9	56.6	304.1	31.7	−46.8	0.5	0.5	b28r	v00m		0.568	0.0	1.0	0.284	0.0	0.5

3 Colours no. *j*=854

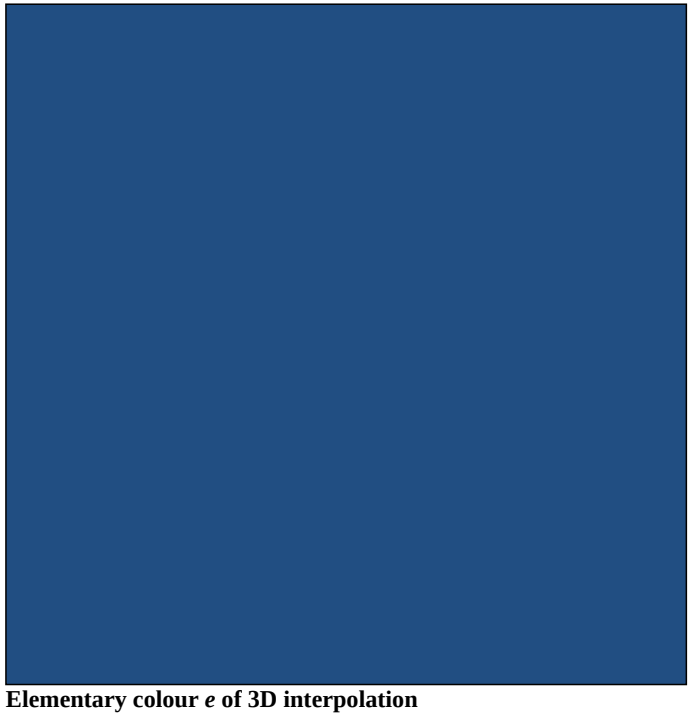
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.5	0.0	0.306	0.5	0.131	0.304	0.51
$rgb^*_{Fa,\ 8bit}$	0	0	128	0	78	128	33	78	130
L^*, C^*_{ab}, h_{ab}	22.7	64.4	301.8	39.1	28.7	271.7	45.4	28.0	279.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	45.2	45.2	3D−it:	7.4	7.4	

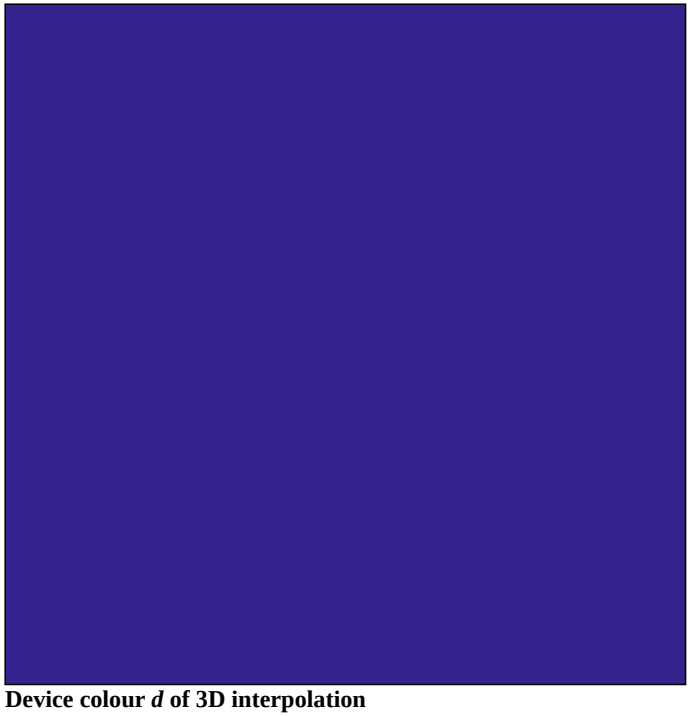
3 Colours no. *j*=854

output of the device colour *d*:

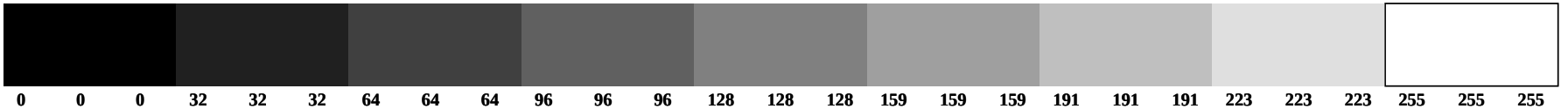
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.5	0.284	0.0	0.5	0.212	0.135	0.56
$olv^*_{Fa,\ 8bit}$	0	0	128	72	0	128	54	34	143
L^*, C^*_{ab}, h_{ab}	22.7	64.4	301.8	30.9	56.6	304.1	31.2	52.4	307.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−in:	15.8	15.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
855	1.0	1.0	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	88.1	56.1	92.3	−2.2	56.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
855	1.0	1.0	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	92.1	63.9	101.8	−13.0	62.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	r99j	o88y		1.0	0.884	0.0	1.0	0.928	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j13g	o100y		0.864	1.0	0.0	0.915	1.0	0.375

3 Colours no. *j*=855

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.375	1.0	0.928	0.375	1.0	0.928	0.434
$rgb^*_{Fa,\ 8bit}$	255	255	96	255	237	96	255	237	111
L^*, C^*_{ab}, h_{ab}	93.3	70.2	103.9	88.1	56.1	92.3	92.8	57.8	88.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.7	19.7	3D−it:	6.6	6.6	

3 Colours no. *j*=855

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.375	0.915	1.0	0.375	1.0	0.983	0.419
$olv^*_{Fa,\ 8bit}$	255	255	96	233	255	96	255	251	107
L^*, C^*_{ab}, h_{ab}	93.3	70.2	103.9	92.1	63.9	101.8	93.5	69.2	99.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	5.6	5.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
856	0.875	0.875	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	79.8	44.9	92.3	−1.7	44.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
856	0.875	0.875	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	83.0	51.1	101.8	−10.3	50.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.5	r99j	o88y		1.0	0.884	0.0	0.875	0.817	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.5	j13g	o100y		0.864	1.0	0.0	0.807	0.875	0.375

3 Colours no. *j*=856

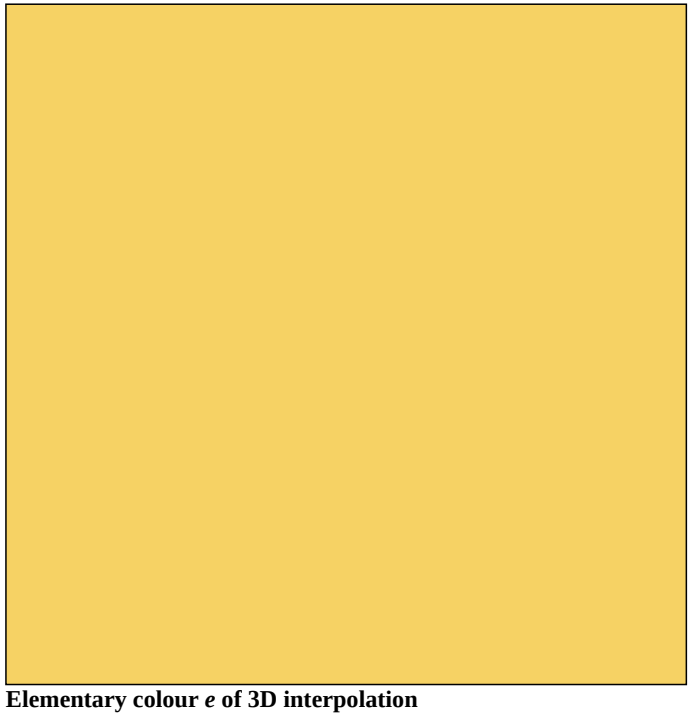
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.375	0.875	0.817	0.375	0.965	0.825	0.392
$rgb^*_{Fa,\ 8bit}$	223	223	96	223	208	96	246	210	100
L^*, C^*_{ab}, h_{ab}	80.3	50.7	103.9	79.8	44.9	92.3	83.6	47.4	85.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.3	11.3	3D−it:	7.4	7.4	

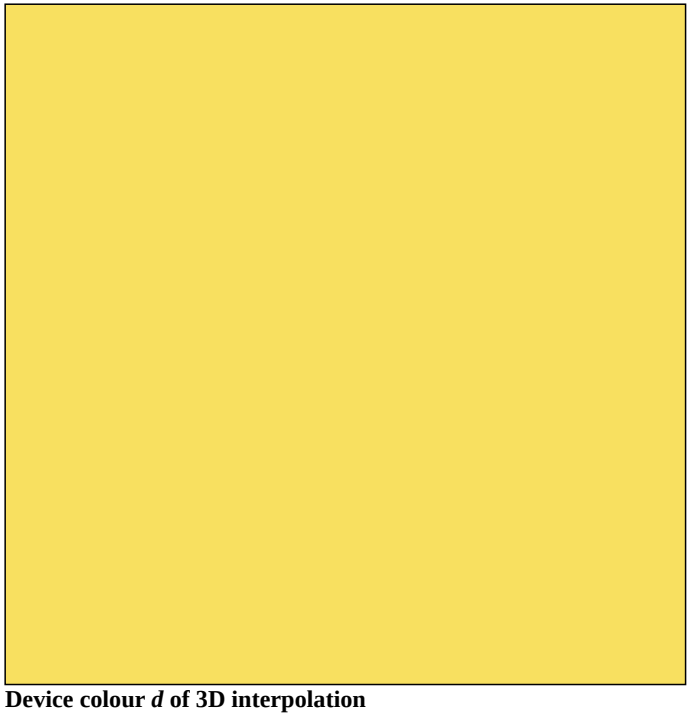
3 Colours no. *j*=856

output of the device colour *d*:

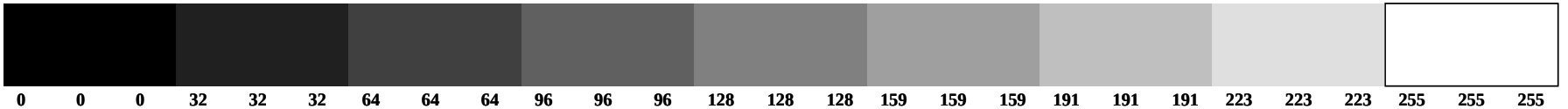
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.375	0.807	0.875	0.375	0.972	0.88	0.376
$olv^*_{Fa,\ 8bit}$	223	223	96	206	223	96	248	224	96
L^*, C^*_{ab}, h_{ab}	80.3	50.7	103.9	83.0	51.1	101.8	93.8	54.5	98.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	14.7	14.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
857	0.75	0.75	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	71.6	33.7	92.3	−1.2	33.6
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
857	0.75	0.75	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	74.0	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.375	r99j	o88y		1.0	0.884	0.0	0.75	0.707	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.375	j13g	o100y		0.864	1.0	0.0	0.699	0.75	0.375

3 Colours no. *j*=857

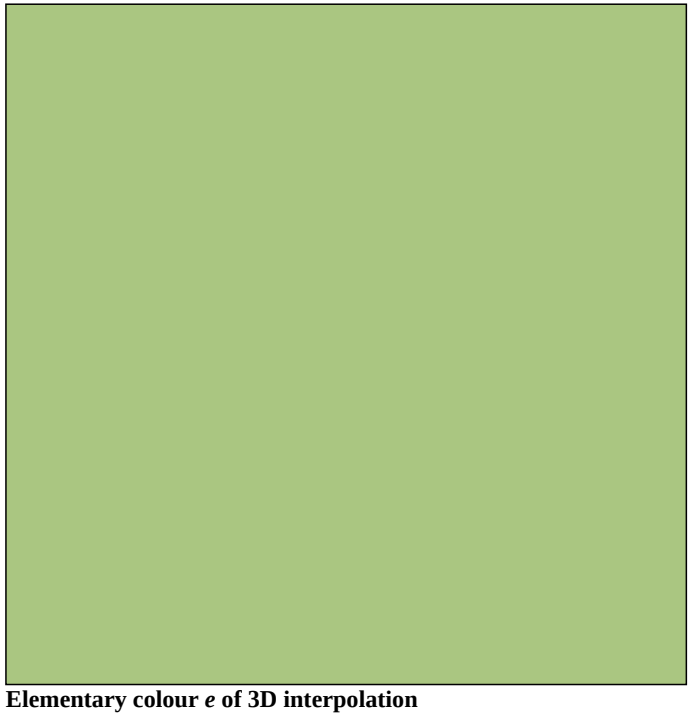
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.75	0.375	0.75	0.707	0.375	0.668	0.778	0.507
$rgb^*_{Fa,\ 8bit}$	191	191	96	191	180	96	170	198	129
L^*, C^*_{ab}, h_{ab}	70.9	36.4	104.4	71.6	33.7	92.3	73.3	40.4	83.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−it:	8.9	8.9	

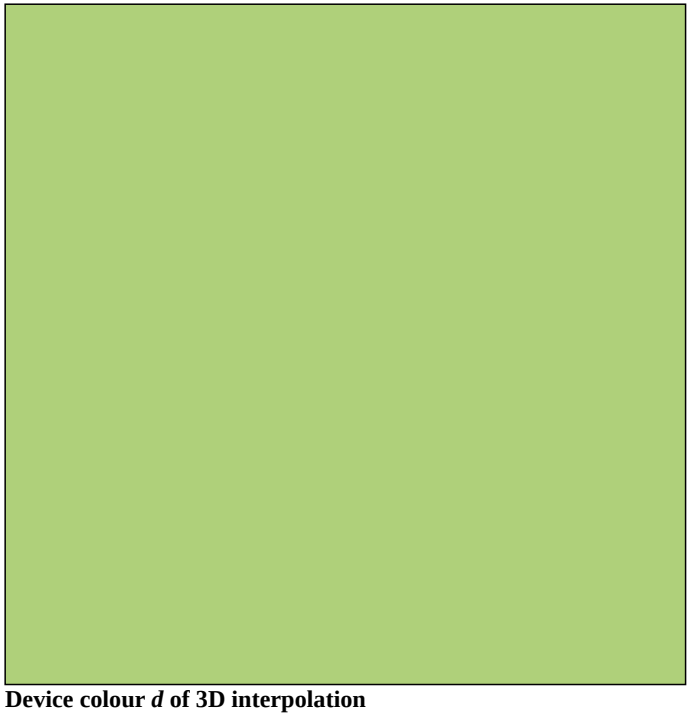
3 Colours no. *j*=857

output of the device colour *d*:

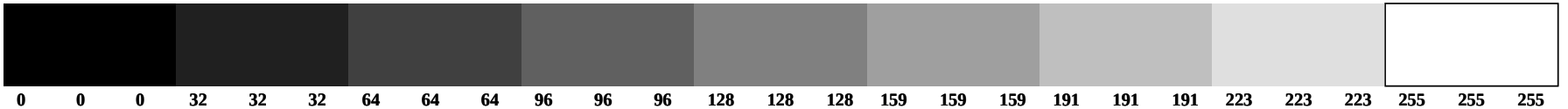
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.75	0.375	0.699	0.75	0.375	0.686	0.814	0.48
$olv^*_{Fa,\ 8bit}$	191	191	96	178	191	96	175	208	122
L^*, C^*_{ab}, h_{ab}	70.9	36.4	104.4	74.0	38.3	101.8	77.2	40.1	99.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	8.0	8.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
858	0.625	0.625	0.375	90.0	83.7	89.8	92.3	−3.5	89.7	63.3	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
858	0.625	0.625	0.375	90.0	90.1	102.2	101.8	−20.8	100.0	64.9	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.25	r99j	o88y		1.0	0.884	0.0	0.625	0.596	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.25	j13g	o100y		0.865	1.0	0.0	0.591	0.625	0.375

3 Colours no. *j*=858

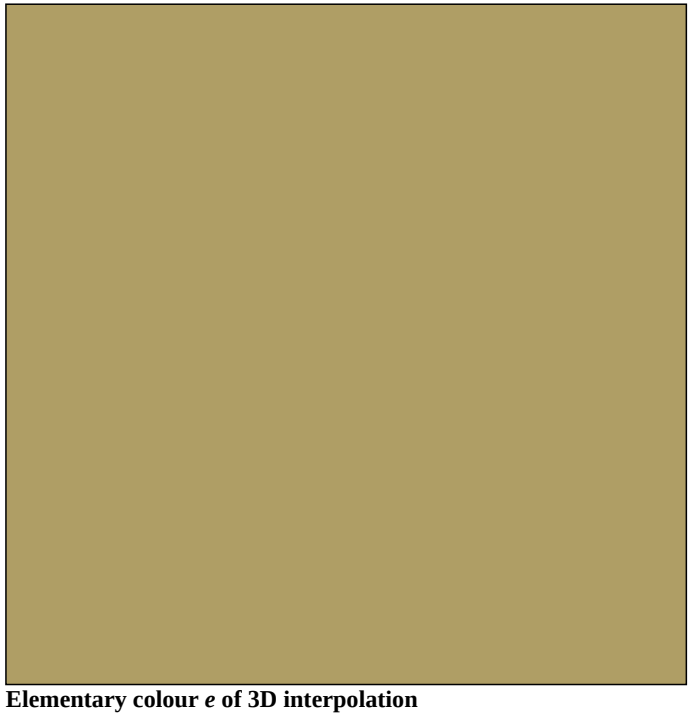
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.375	0.625	0.596	0.375	0.685	0.621	0.395
$rgb^*_{Fa,\ 8bit}$	159	159	96	159	152	96	175	158	101
L^*, C^*_{ab}, h_{ab}	62.5	23.5	106.5	63.3	22.4	92.3	64.5	26.5	82.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.8	5.8	3D−it:	6.0	6.0

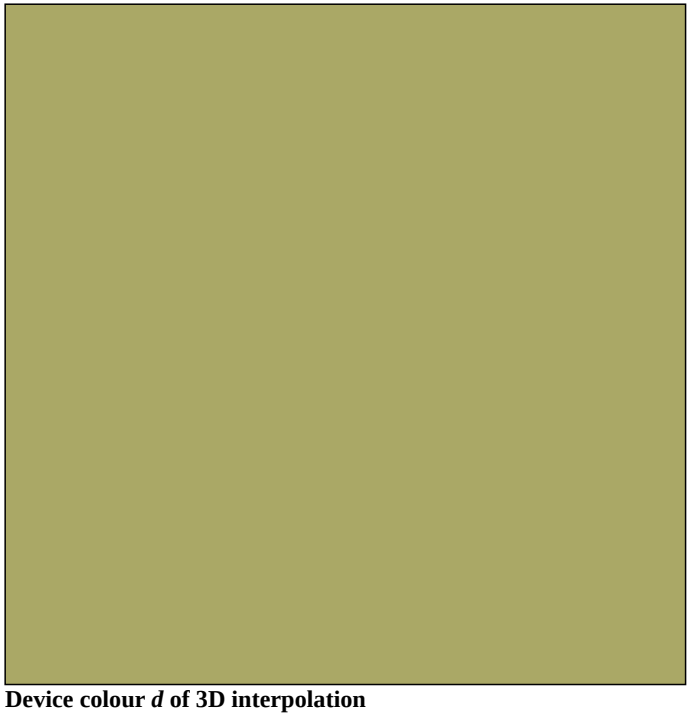
3 Colours no. *j*=858

output of the device colour *d*:

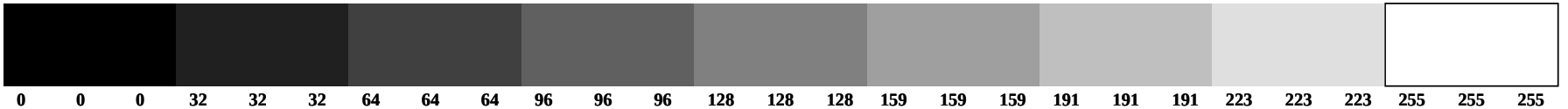
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.375	0.591	0.625	0.375	0.666	0.659	0.399
$olv^*_{Fa,\ 8bit}$	159	159	96	151	159	96	170	168	102
L^*, C^*_{ab}, h_{ab}	62.5	23.5	106.5	64.9	25.6	101.8	67.6	27.7	97.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.8	3.8	3D−in:	7.6	7.6



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
859	0.5	0.5	0.375	90.0	83.7	89.7	92.3	−3.4	89.7	55.1	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
859	0.5	0.5	0.375	90.0	90.1	102.2	101.8	−20.7	100.1	55.9	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.125	r99j	o88y		1.0	0.884	0.0	0.5	0.485	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.125	j13g	o100y		0.865	1.0	0.0	0.483	0.5	0.375

3 Colours no. *j*=859

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.375	0.5	0.485	0.375	0.544	0.501	0.379
$rgb^*_{Fa,\ 8bit}$	128	128	96	128	124	96	139	128	97
L^*, C^*_{ab}, h_{ab}	54.5	10.9	110.7	55.1	11.2	92.3	55.7	12.5	76.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.6	3.6	3D−it:	3.7	3.7

3 Colours no. *j*=859

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.375	0.483	0.5	0.375	0.539	0.518	0.377
$olv^*_{Fa,\ 8bit}$	128	128	96	123	128	96	137	132	96
L^*, C^*_{ab}, h_{ab}	54.5	10.9	110.7	55.9	12.8	101.8	57.3	14.8	95.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.0	3.0	3D−in:	5.9	5.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
860	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
860	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=860

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.4	278.5	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.2	3.2	

3 Colours no. *j*=860

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.4	278.5	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.7	6.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
861	0.25	0.25	0.375	270.0	60.4	57.4	271.8	1.8	−57.2	42.4	7.2	271.8	0.2	−7.1	0.625	0.125	b00r	c39v		0.0	0.613	1.0	0.25	0.327	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
861	0.25	0.25	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	40.4	14.2	304.1	7.9	−11.6	0.625	0.125	b28r	v00m		0.569	0.0	1.0	0.321	0.25	0.375

3 Colours no. *j*=861

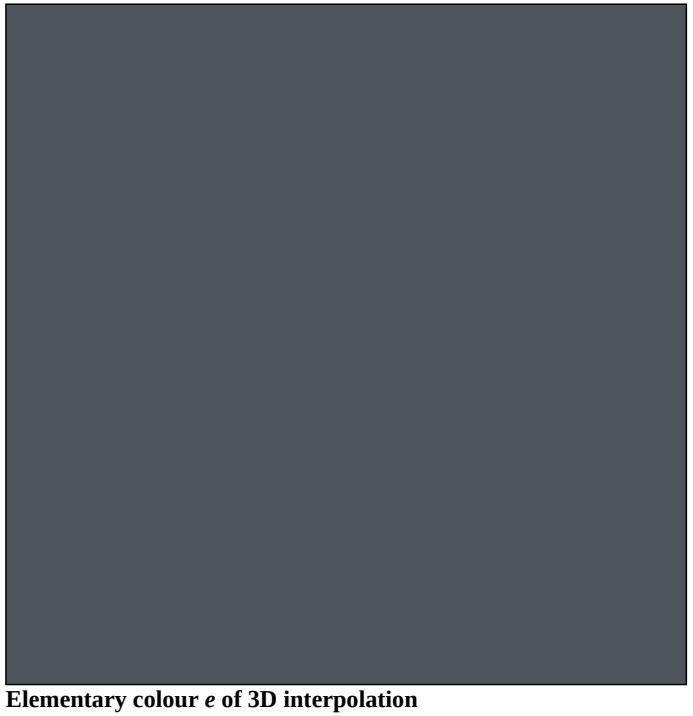
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.25	0.375	0.25	0.327	0.375	0.307	0.334	0.364
$rgb^*_{Fa,\ 8bit}$	64	64	96	64	83	96	78	85	93
L^*, C^*_{ab}, h_{ab}	36.9	19.1	292.1	42.4	7.2	271.8	45.8	3.1	274.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.8	13.8	3D−it:	5.3	5.3

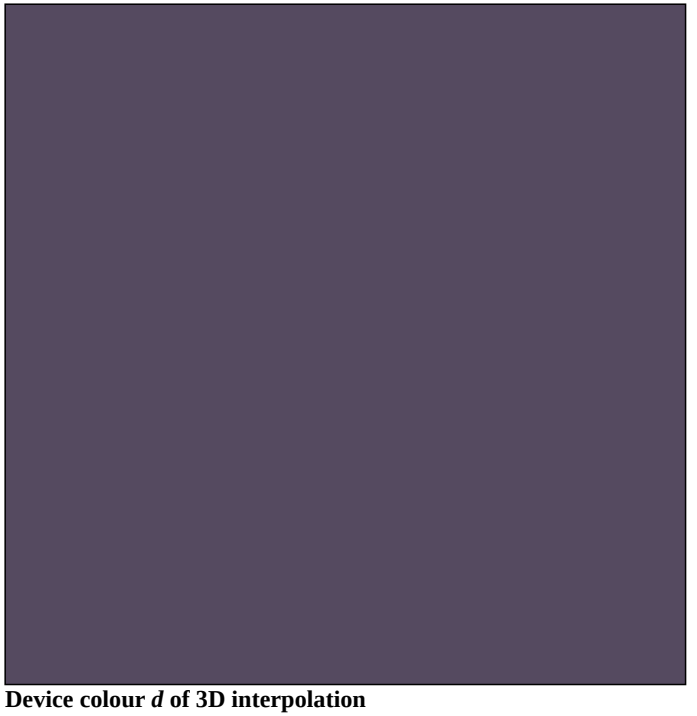
3 Colours no. *j*=861

output of the device colour *d*:

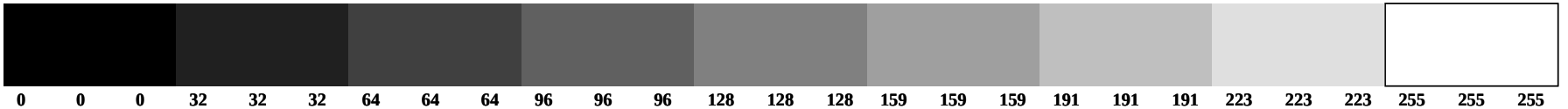
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.25	0.375	0.321	0.25	0.375	0.332	0.289	0.376
$olv^*_{Fa,\ 8bit}$	64	64	96	82	64	96	85	74	96
L^*, C^*_{ab}, h_{ab}	36.9	19.1	292.1	40.4	14.2	304.1	46.5	12.7	322.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.0	7.0	3D−in:	14.1	14.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
862	0.125	0.125	0.375	270.0	60.4	57.3	271.8	1.8	−57.2	38.1	14.3	271.8	0.4	−14.2	0.625	0.25	b00r	c39v		0.0	0.613	1.0	0.125	0.278	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
862	0.125	0.125	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	34.0	28.3	304.1	15.9	−23.4	0.625	0.25	b28r	v00m		0.569	0.0	1.0	0.267	0.125	0.375

3 Colours no. *j*=862

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.125	0.375	0.125	0.278	0.375	0.217	0.283	0.366
$rgb^*_{Fa,\ 8bit}$	32	32	96	32	71	96	55	72	93
L^*, C^*_{ab}, h_{ab}	26.6	38.4	297.3	38.1	14.3	271.8	44.7	10.3	285.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	28.6	28.6	3D−it:	8.2	8.2	

3 Colours no. *j*=862

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.125	0.375	0.267	0.125	0.375	0.259	0.198	0.389
$olv^*_{Fa,\ 8bit}$	32	32	96	68	32	96	66	51	99
L^*, C^*_{ab}, h_{ab}	26.6	38.4	297.3	34.0	28.3	304.1	39.9	29.7	315.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.1	13.1	3D−in:	19.1	19.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
863	0.0	0.0	0.375	270.0	60.4	57.3	271.8	1.8	−57.2	33.7	21.5	271.8	0.7	−21.4	0.625	0.375	b00r	c39v		0.0	0.613	1.0	0.0	0.23	0.375
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
863	0.0	0.0	0.375	270.0	44.2	113.3	304.1	63.5	−93.7	27.6	42.5	304.1	23.8	−35.1	0.625	0.375	b28r	v00m		0.569	0.0	1.0	0.213	0.0	0.375

3 Colours no. *j*=863

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.375	0.0	0.23	0.375	0.126	0.234	0.366
$rgb^*_{Fa,\ 8bit}$	0	0	96	0	59	96	32	60	93
L^*, C^*_{ab}, h_{ab}	21.1	50.4	300.1	33.7	21.5	271.8	34.9	21.0	276.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	35.4	35.4	3D−it:	2.3	2.3

3 Colours no. *j*=863

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.375	0.213	0.0	0.375	0.18	0.109	0.4
$olv^*_{Fa,\ 8bit}$	0	0	96	54	0	96	46	28	102
L^*, C^*_{ab}, h_{ab}	21.1	50.4	300.1	27.6	42.5	304.1	29.5	38.9	310.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.7	10.7	3D−in:	16.4	16.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
864	1.0	1.0	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	86.6	67.3	92.3	−2.6	67.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
864	1.0	1.0	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	91.4	76.7	101.8	−15.6	75.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.75	r99j	o88y		1.0	0.884	0.0	1.0	0.913	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.75	j13g	o100y		0.864	1.0	0.0	0.898	1.0	0.25

3 Colours no. *j*=864

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.25	1.0	0.913	0.25	1.0	0.913	0.297
$rgb^*_{Fa,\ 8bit}$	255	255	64	255	233	64	255	233	76
L^*, C^*_{ab}, h_{ab}	93.1	82.1	103.2	86.6	67.3	92.3	90.1	67.8	89.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	21.4	21.4	3D−it:	4.4	4.4	

3 Colours no. *j*=864

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.25	0.898	1.0	0.25	0.995	0.979	0.278
$olv^*_{Fa,\ 8bit}$	255	255	64	229	255	64	254	250	71
L^*, C^*_{ab}, h_{ab}	93.1	82.1	103.2	91.4	76.7	101.8	93.2	81.0	99.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.0	6.0	3D−in:	6.0	6.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
865	0.875	0.875	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	78.4	56.1	92.3	−2.2	56.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
865	0.875	0.875	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	82.4	63.9	101.8	−13.0	62.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.125	0.625	r99j	o88y		1.0	0.884	0.0	0.875	0.803	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.125	0.625	j13g	o100y		0.864	1.0	0.0	0.79	0.875	0.25

3 Colours no. *j*=865

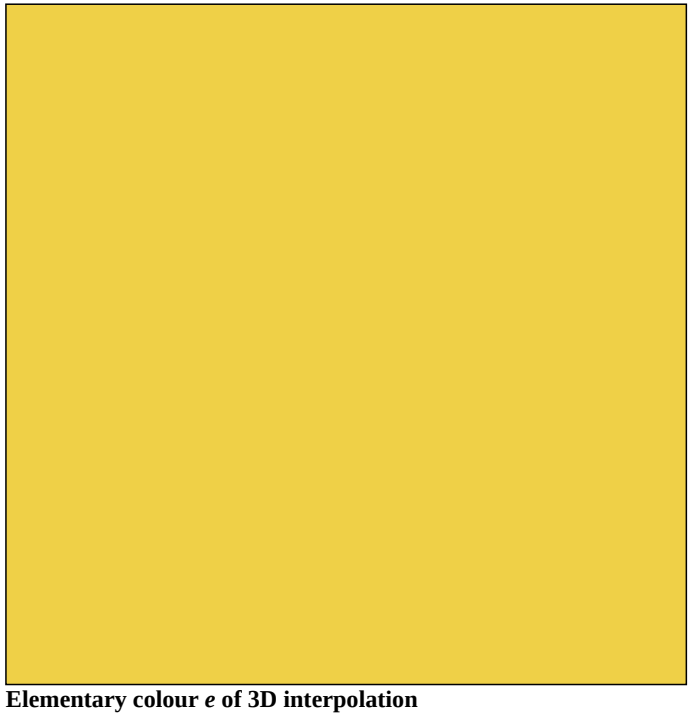
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.25	0.875	0.803	0.25	0.938	0.815	0.279
$rgb^*_{Fa,\ 8bit}$	223	223	64	223	205	64	239	208	71
L^*, C^*_{ab}, h_{ab}	80.1	63.4	103.1	78.4	56.1	92.3	83.4	57.8	88.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−it:	6.8	6.8	

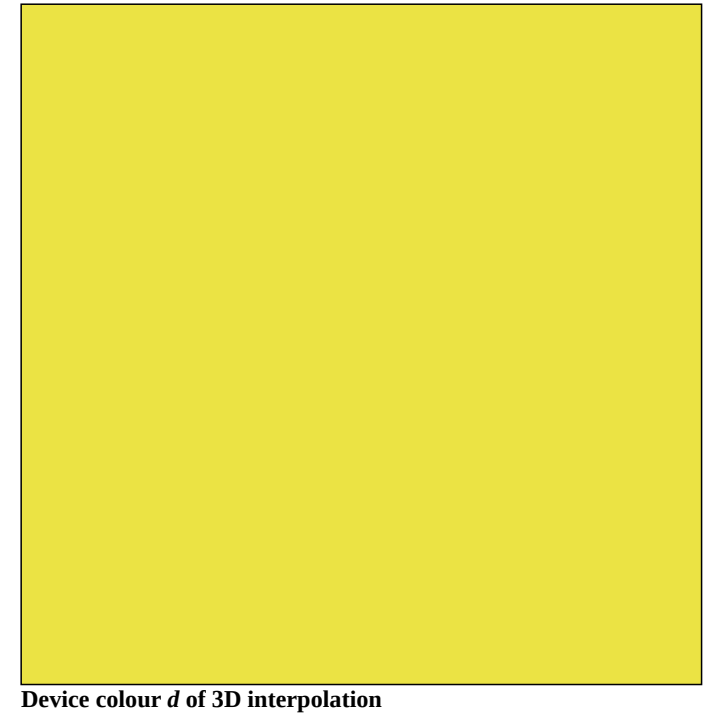
3 Colours no. *j*=865

output of the device colour *d*:

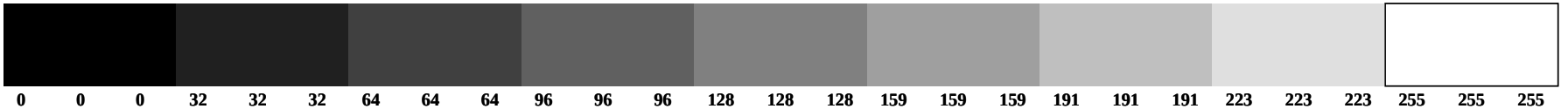
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.25	0.79	0.875	0.25	0.923	0.889	0.267
$olv^*_{Fa,\ 8bit}$	223	223	64	201	223	64	235	227	68
L^*, C^*_{ab}, h_{ab}	80.1	63.4	103.1	82.4	63.9	101.8	84.8	64.2	100.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.7	2.7	3D−in:	5.6	5.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$	n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$	$olv^*_{3Fae,it}$
866	0.75 0.75 0.25	90.0	83.7 89.8 92.3 −3.5 89.7	70.1 44.9 92.3 −1.7 44.9	0.25	0.5	r99j	o88y		1.0 0.884 0.0	0.75 0.692 0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$	n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$	$rgb^*_{3Fad,it}$
866	0.75 0.75 0.25	90.0	90.1 102.2 101.8 −20.8 100.0	73.3 51.1 101.8 −10.3 50.0	0.25	0.5	j13g	o100y		0.864 1.0 0.0	0.682 0.75 0.25

3 Colours no. *j*=866

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.25	0.75	0.692	0.25	0.816	0.715	0.283
$rgb^*_{Fa,\ 8bit}$	191	191	64	191	176	64	208	182	72
L^*, C^*_{ab}, h_{ab}	70.7	49.6	103.6	70.1	44.9	92.3	73.0	50.4	88.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.4	10.4	3D−it:	7.2	7.2

3 Colours no. *j*=866

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.25	0.682	0.75	0.25	0.804	0.78	0.272
$olv^*_{Fa,\ 8bit}$	191	191	64	174	191	64	205	199	69
L^*, C^*_{ab}, h_{ab}	70.7	49.6	103.6	73.3	51.1	101.8	76.2	52.4	100.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.4	3.4	3D−in:	7.0	7.0

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
867	0.625	0.625	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	61.9	33.7	92.3	−1.2	33.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
867	0.625	0.625	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	64.3	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.375	r99j	o88y		1.0	0.884	0.0	0.625	0.582	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.375	j13g	o100y		0.864	1.0	0.0	0.574	0.625	0.25

3 Colours no. *j*=867

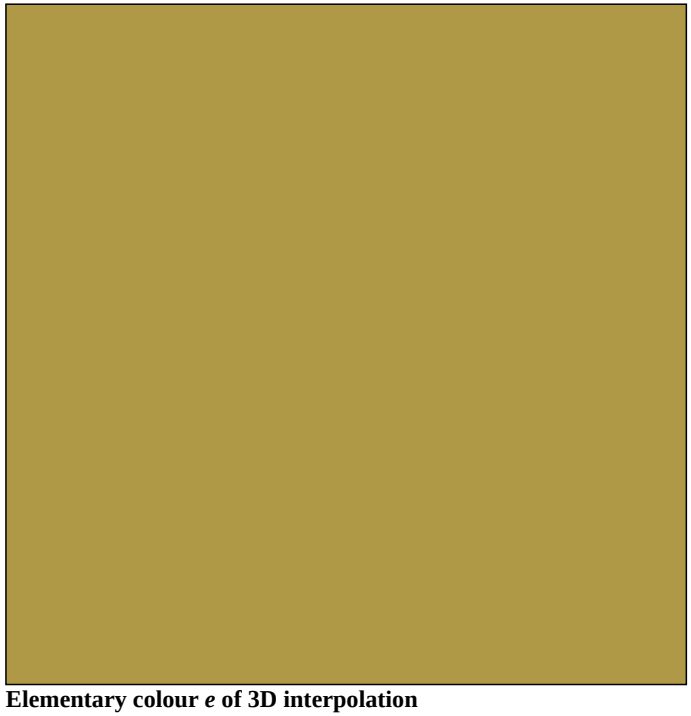
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.25	0.625	0.582	0.25	0.687	0.596	0.273
$rgb^*_{Fa,\ 8bit}$	159	159	64	159	148	64	175	152	70
L^*, C^*_{ab}, h_{ab}	62.2	37.2	105.4	61.9	33.7	92.3	64.2	39.6	89.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.8	8.8	3D−it:	6.7	6.7

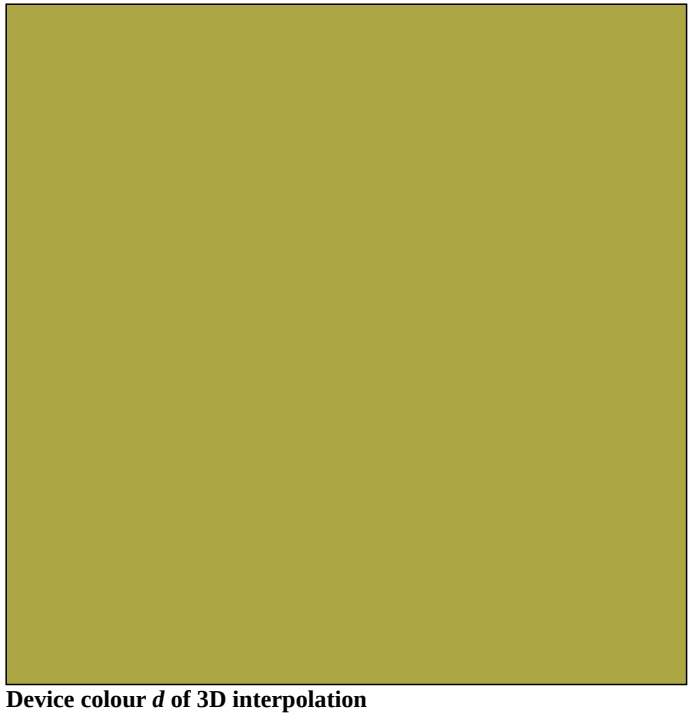
3 Colours no. *j*=867

output of the device colour *d*:

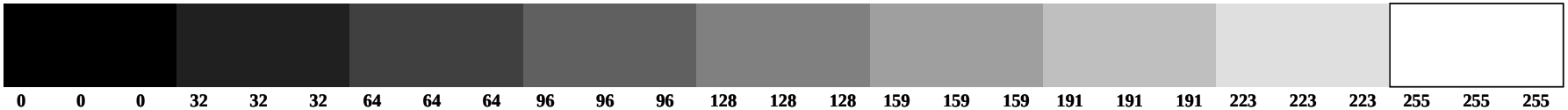
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.25	0.574	0.625	0.25	0.673	0.65	0.268
$olv^*_{Fa,\ 8bit}$	159	159	64	146	159	64	172	166	68
L^*, C^*_{ab}, h_{ab}	62.2	37.2	105.4	64.3	38.3	101.8	66.6	39.4	98.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.4	3.4	3D−in:	6.8	6.8



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
868	0.5	0.5	0.25	90.0	83.7	89.8	92.3	−3.5	89.7	53.6	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
868	0.5	0.5	0.25	90.0	90.1	102.2	101.8	−20.8	100.0	55.2	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.25	r99j	o88y		1.0	0.884	0.0	0.5	0.471	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.25	j13g	o100y		0.865	1.0	0.0	0.466	0.5	0.25

3 Colours no. *j*=868

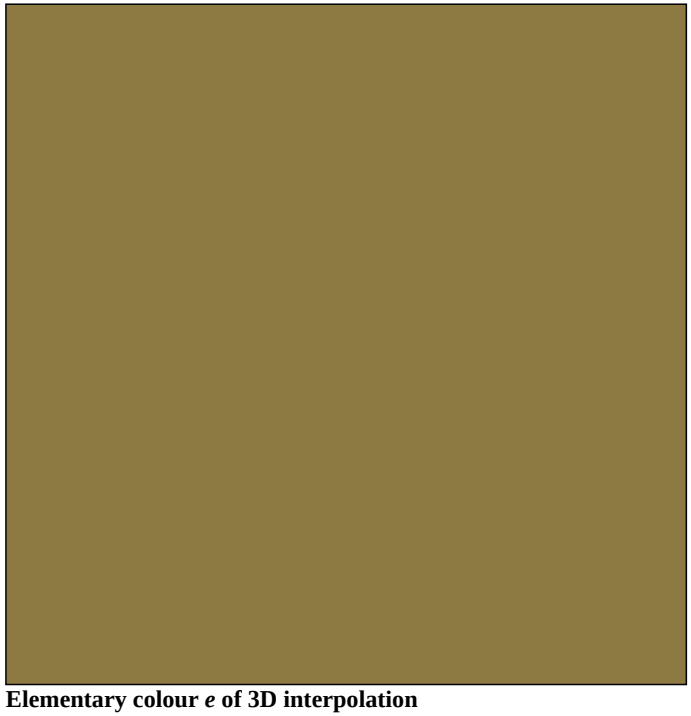
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.25	0.5	0.471	0.25	0.551	0.477	0.261
$rgb^*_{Fa,\ 8bit}$	128	128	64	128	120	64	140	122	67
L^*, C^*_{ab}, h_{ab}	54.1	25.2	108.4	53.6	22.4	92.3	56.1	27.5	85.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.2	7.2	3D−it:	6.3	6.3	

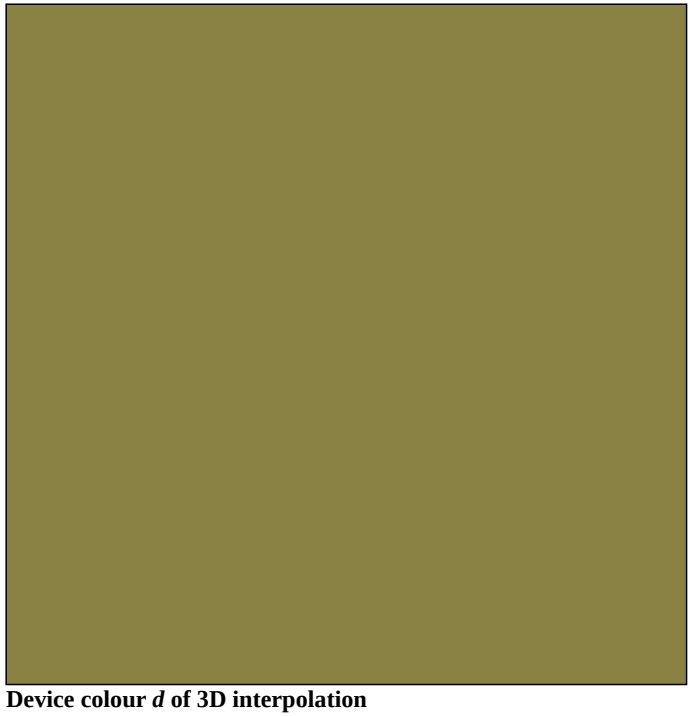
3 Colours no. *j*=868

output of the device colour *d*:

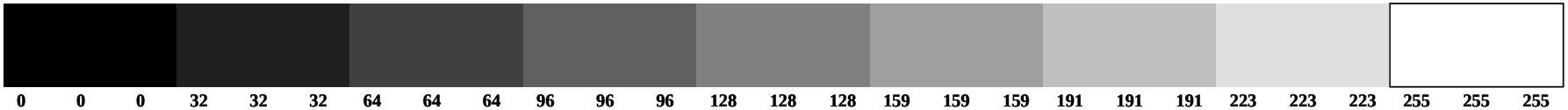
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.25	0.466	0.5	0.25	0.543	0.511	0.259
$olv^*_{Fa,\ 8bit}$	128	128	64	119	128	64	139	130	66
L^*, C^*_{ab}, h_{ab}	54.1	25.2	108.4	55.2	25.6	101.8	56.4	26.2	95.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.1	3.1	3D−in:	6.3	6.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
869	0.375	0.375	0.25	90.0	83.7	89.7	92.3	−3.4	89.7	45.3	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
869	0.375	0.375	0.25	90.0	90.1	102.2	101.8	−20.7	100.1	46.2	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.125	r99j	o88y		1.0	0.884	0.0	0.375	0.36	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.125	j13g	o100y		0.865	1.0	0.0	0.358	0.375	0.25

3 Colours no. *j*=869

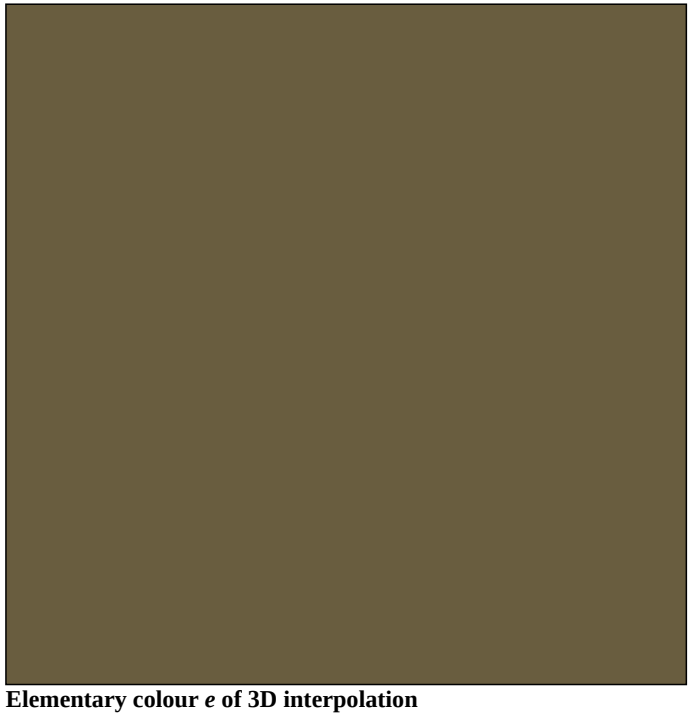
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.25	0.375	0.36	0.25	0.412	0.364	0.249
$rgb^*_{Fa,\ 8bit}$	96	96	64	96	92	64	105	93	63
L^*, C^*_{ab}, h_{ab}	45.4	11.7	113.0	45.3	11.2	92.3	45.3	12.2	72.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.2	4.2	

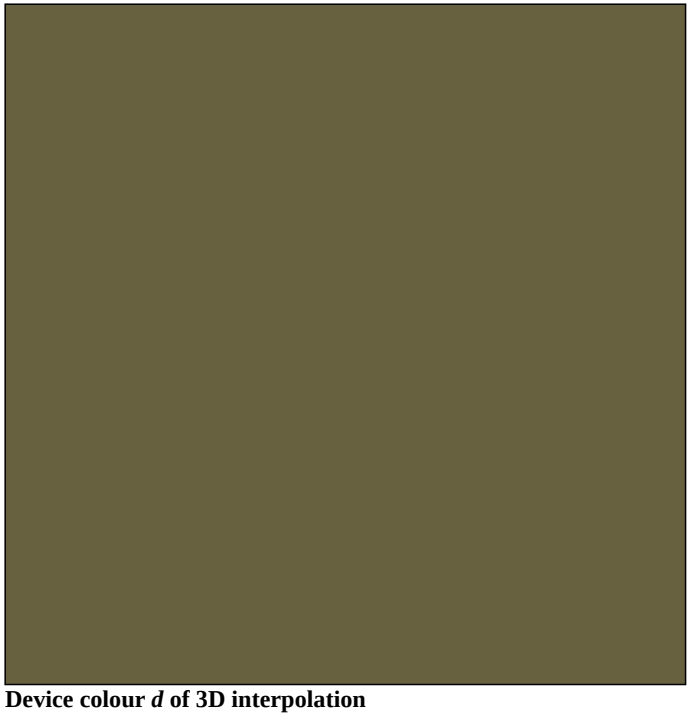
3 Colours no. *j*=869

output of the device colour *d*:

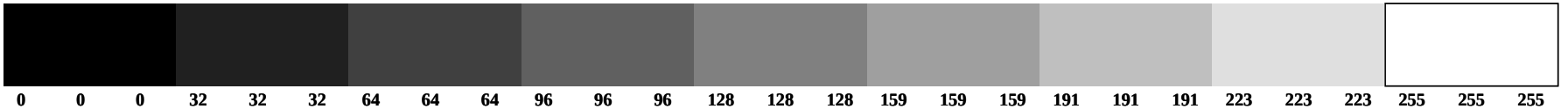
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.25	0.358	0.375	0.25	0.409	0.381	0.248
$olv^*_{Fa,\ 8bit}$	96	96	64	91	96	64	104	97	63
L^*, C^*_{ab}, h_{ab}	45.4	11.7	113.0	46.2	12.8	101.8	47.0	14.2	92.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.7	2.7	3D−in:	5.5	5.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
870	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
870	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. *j*=870

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.2	3.8	279.0	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.7	3.7	

3 Colours no. *j*=870

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.2	3.8	279.0	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
871	0.125	0.125	0.25	270.0	60.4	57.4	271.8	1.8	−57.2	32.7	7.2	271.8	0.2	−7.1	0.75	0.125	b00r	c39v		0.0	0.613	1.0	0.125	0.202	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
871	0.125	0.125	0.25	270.0	44.2	113.3	304.1	63.5	−93.7	30.7	14.2	304.1	7.9	−11.6	0.75	0.125	b28r	v00m		0.569	0.0	1.0	0.196	0.125	0.25

3 Colours no. *j*=871

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.25	0.125	0.202	0.25	0.199	0.212	0.237
$rgb^*_{Fa,\ 8bit}$	32	32	64	32	51	64	51	54	60
L^*, C^*_{ab}, h_{ab}	25.6	23.0	295.0	32.7	7.2	271.8	36.1	3.6	279.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.1	18.1	3D−it:	5.0	5.0	

3 Colours no. *j*=871

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.25	0.196	0.125	0.25	0.21	0.176	0.248
$olv^*_{Fa,\ 8bit}$	32	32	64	50	32	64	54	45	63
L^*, C^*_{ab}, h_{ab}	25.6	23.0	295.0	30.7	14.2	304.1	36.8	10.6	326.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	18.6	18.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
872	0.0	0.0	0.25	270.0	60.4	57.3	271.8	1.8	−57.2	28.4	14.3	271.8	0.4	−14.2	0.75	0.25	b00r	c39v		0.0	0.613	1.0	0.0	0.153	0.25
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
872	0.0	0.0	0.25	270.0	44.2	113.3	304.1	63.5	−93.7	24.3	28.3	304.1	15.9	−23.4	0.75	0.25	b28r	v00m		0.569	0.0	1.0	0.142	0.0	0.25

3 Colours no. *j*=872

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.25	0.0	0.153	0.25	0.118	0.169	0.237
$rgb^*_{Fa,\ 8bit}$	0	0	64	0	39	64	30	43	61
L^*, C^*_{ab}, h_{ab}	19.6	34.4	297.6	28.4	14.3	271.8	36.8	13.2	302.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	24.0	24.0	3D−it:	11.2	11.2	

3 Colours no. *j*=872

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.25	0.142	0.0	0.25	0.145	0.073	0.258
$olv^*_{Fa,\ 8bit}$	0	0	64	36	0	64	37	19	66
L^*, C^*_{ab}, h_{ab}	19.6	34.4	297.6	24.3	28.3	304.1	25.6	30.3	317.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−in:	13.1	13.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
873	1.0	1.0	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	85.2	78.6	92.3	−3.1	78.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
873	1.0	1.0	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	90.8	89.4	101.8	−18.2	87.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	r99j	o88y		1.0	0.884	0.0	1.0	0.899	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j13g	o100y		0.864	1.0	0.0	0.881	1.0	0.125

3 Colours no. *j*=873

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.125	1.0	0.899	0.125	1.0	0.897	0.178
$rgb^*_{Fa,\ 8bit}$	255	255	32	255	229	32	255	229	45
L^*, C^*_{ab}, h_{ab}	93.0	95.5	102.3	85.2	78.6	92.3	87.3	81.5	91.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	24.0	24.0	3D−it:	3.9	3.9	

3 Colours no. *j*=873

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.125	0.881	1.0	0.125	0.989	0.974	0.174
$olv^*_{Fa,\ 8bit}$	255	255	32	225	255	32	252	248	44
L^*, C^*_{ab}, h_{ab}	93.0	95.5	102.3	90.8	89.4	101.8	93.2	96.8	100.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.5	6.5	3D−in:	2.9	2.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$	n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$	$olv^*_{3Fae,it}$
874	0.875 0.875 0.125	90.0	83.7 89.8 92.3 −3.5 89.7	76.9 67.3 92.3 −2.6 67.3	0.125	0.75	r99j	o88y		1.0 0.884 0.0	0.875 0.788 0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$	h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$	n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$	$rgb^*_{3Fad,it}$
874	0.875 0.875 0.125	90.0	90.1 102.2 101.8 −20.8 100.0	81.7 76.7 101.8 −15.6 75.0	0.125	0.75	j13g	o100y		0.864 1.0 0.0	0.773 0.875 0.125

3 Colours no. *j*=874

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.125	0.875	0.788	0.125	0.918	0.802	0.175
$rgb^*_{Fa,\ 8bit}$	223	223	32	223	201	32	234	205	45
L^*, C^*_{ab}, h_{ab}	79.9	78.2	102.3	76.9	67.3	92.3	81.3	67.6	92.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.9	16.9	3D−it:	4.4	4.4	

3 Colours no. *j*=874

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.125	0.773	0.875	0.125	0.897	0.891	0.161
$olv^*_{Fa,\ 8bit}$	223	223	32	197	223	32	229	227	41
L^*, C^*_{ab}, h_{ab}	79.9	78.2	102.3	81.7	76.7	101.8	83.7	77.9	101.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.5	2.5	3D−in:	4.2	4.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
875	0.75	0.75	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	68.7	56.1	92.3	−2.2	56.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
875	0.75	0.75	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	72.7	63.9	101.8	−13.0	62.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.625	r99j	o88y		1.0	0.884	0.0	0.75	0.678	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.625	j13g	o100y		0.864	1.0	0.0	0.665	0.75	0.125

3 Colours no. *j*=875

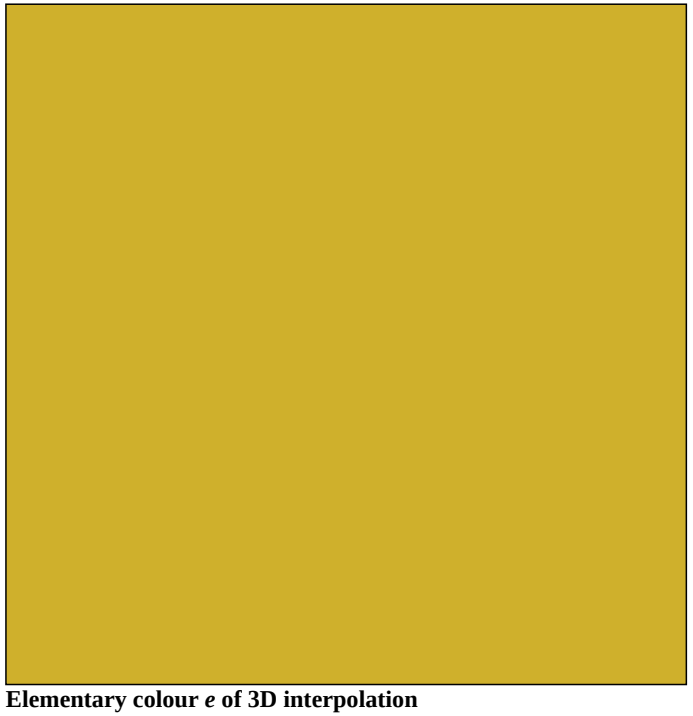
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.125	0.75	0.678	0.125	0.81	0.692	0.174
$rgb^*_{Fa,\ 8bit}$	191	191	32	191	173	32	206	176	44
L^*, C^*_{ab}, h_{ab}	70.4	65.5	102.6	68.7	56.1	92.3	72.8	60.0	90.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	14.5	14.5	3D−it:	5.9	5.9

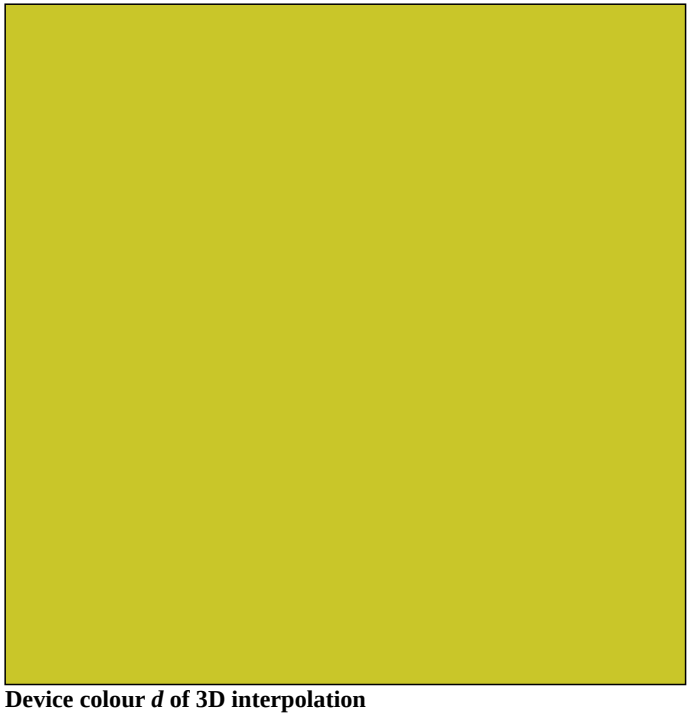
3 Colours no. *j*=875

output of the device colour *d*:

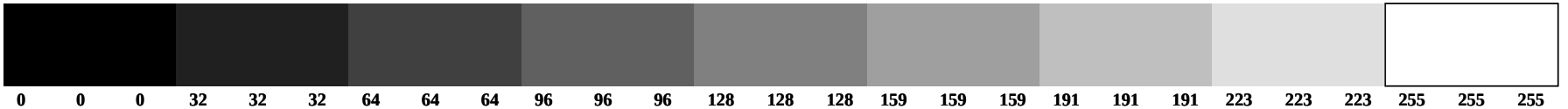
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.125	0.665	0.75	0.125	0.787	0.777	0.162
$olv^*_{Fa,\ 8bit}$	191	191	32	170	191	32	201	198	41
L^*, C^*_{ab}, h_{ab}	70.4	65.5	102.6	72.7	63.9	101.8	75.1	64.9	100.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	2.9	2.9	3D−in:	5.3	5.3



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
876	0.625	0.625	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	60.4	44.9	92.3	−1.7	44.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
876	0.625	0.625	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	63.6	51.1	101.8	−10.3	50.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.5	r99j	o88y		1.0	0.884	0.0	0.625	0.567	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.5	j13g	o100y		0.864	1.0	0.0	0.557	0.625	0.125

3 Colours no. *j*=876

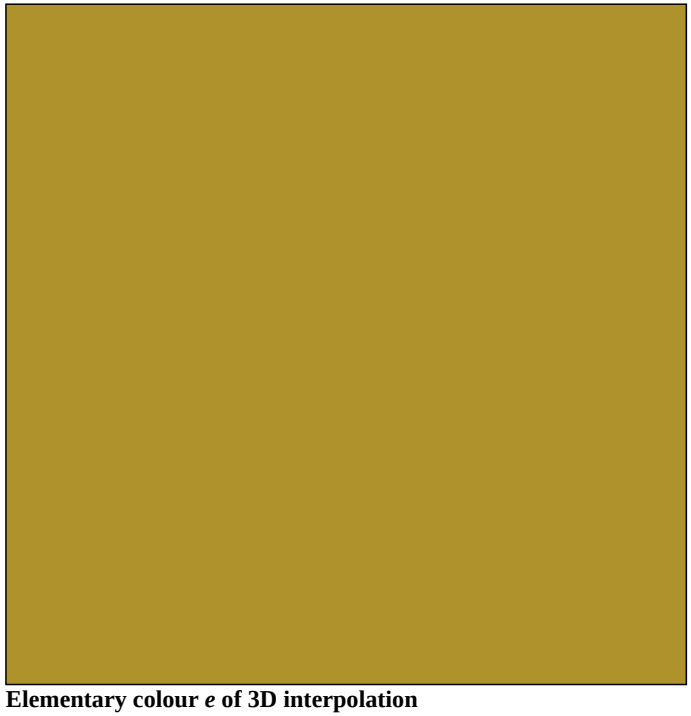
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.125	0.625	0.567	0.125	0.682	0.572	0.171
$rgb^*_{Fa,\ 8bit}$	159	159	32	159	145	32	174	146	44
L^*, C^*_{ab}, h_{ab}	61.9	54.0	103.9	60.4	44.9	92.3	65.1	45.1	91.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.6	13.6	3D−it:	4.7	4.7

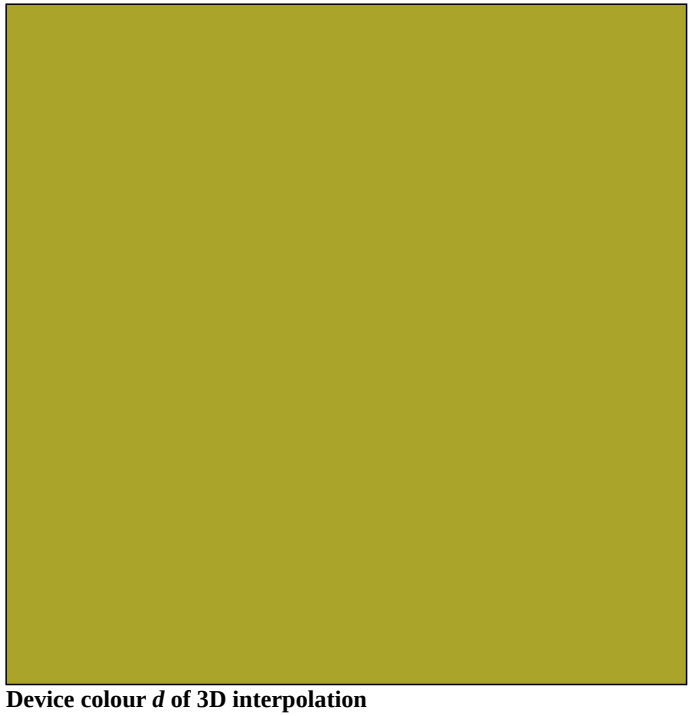
3 Colours no. *j*=876

output of the device colour *d*:

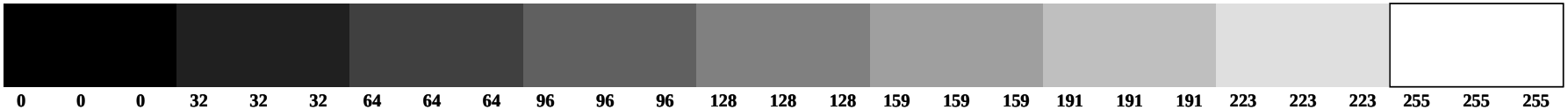
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.125	0.557	0.625	0.125	0.665	0.644	0.163
$olv^*_{Fa,\ 8bit}$	159	159	32	142	159	32	170	164	42
L^*, C^*_{ab}, h_{ab}	61.9	54.0	103.9	63.6	51.1	101.8	65.5	52.9	98.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.9	3.9	3D−in:	6.4	6.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
877	0.5	0.5	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	52.1	33.7	92.3	−1.2	33.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
877	0.5	0.5	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	54.6	38.3	101.8	−7.7	37.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.375	r99j	o88y		1.0	0.884	0.0	0.5	0.457	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.375	j13g	o100y		0.864	1.0	0.0	0.449	0.5	0.125

3 Colours no. *j*=877

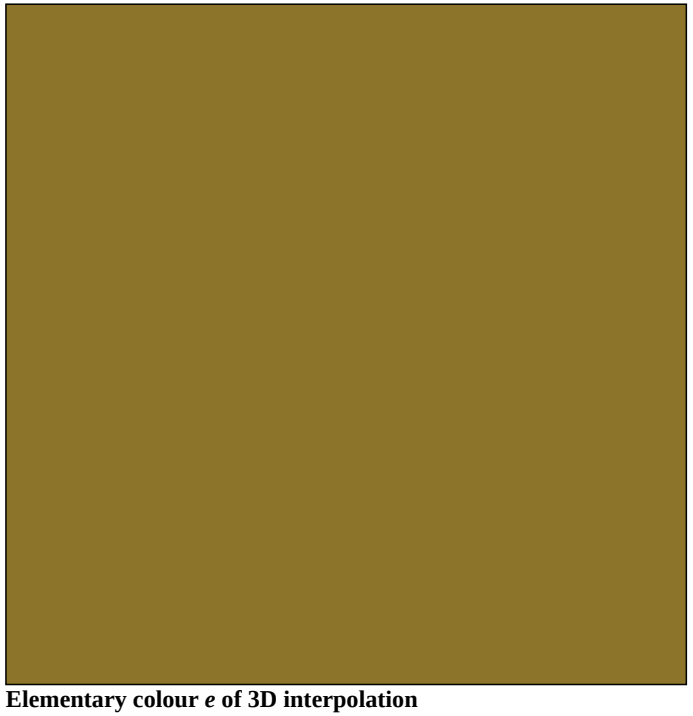
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.125	0.5	0.457	0.125	0.549	0.453	0.166
$rgb^*_{Fa,\ 8bit}$	128	128	32	128	116	32	140	116	42
L^*, C^*_{ab}, h_{ab}	53.7	42.9	105.9	52.1	33.7	92.3	57.1	34.9	87.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.0	13.0	3D−it:	5.8	5.8

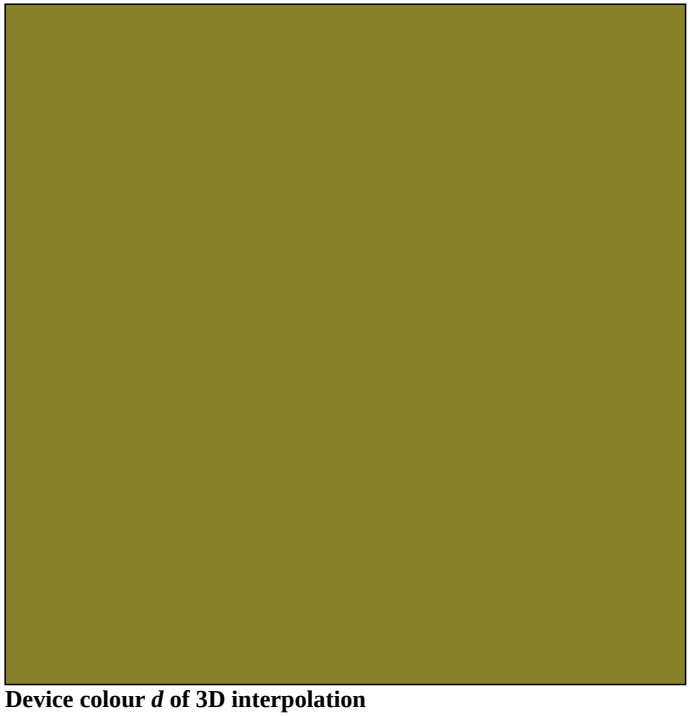
3 Colours no. *j*=877

output of the device colour *d*:

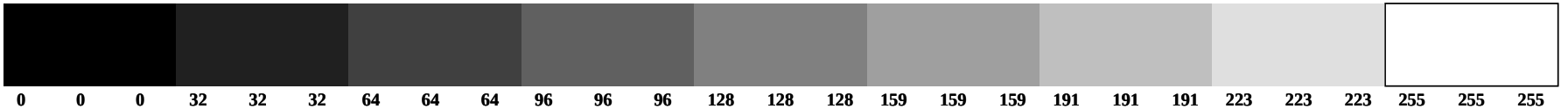
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.125	0.449	0.5	0.125	0.537	0.505	0.161
$olv^*_{Fa,\ 8bit}$	128	128	32	115	128	32	137	129	41
L^*, C^*_{ab}, h_{ab}	53.7	42.9	105.9	54.6	38.3	101.8	55.4	41.3	95.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.5	5.5	3D−in:	8.0	8.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
878	0.375	0.375	0.125	90.0	83.7	89.8	92.3	−3.5	89.7	43.9	22.4	92.3	−0.8	22.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
878	0.375	0.375	0.125	90.0	90.1	102.2	101.8	−20.8	100.0	45.5	25.6	101.8	−5.1	25.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.625	0.25	r99j	o88y		1.0	0.884	0.0	0.375	0.346	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.625	0.25	j13g	o100y		0.865	1.0	0.0	0.341	0.375	0.125

3 Colours no. *j*=878

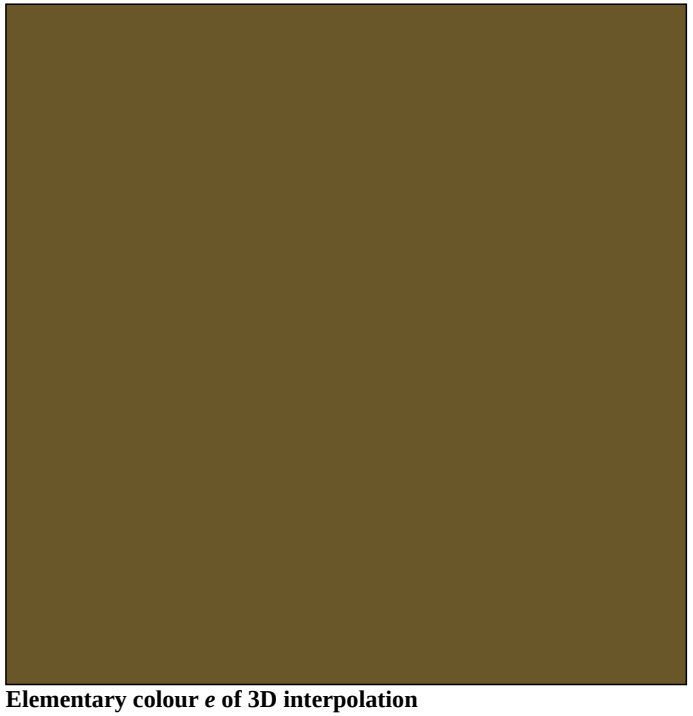
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.125	0.375	0.346	0.125	0.415	0.343	0.159
$rgb^*_{Fa,\ 8bit}$	96	96	32	96	88	32	106	87	41
L^*, C^*_{ab}, h_{ab}	44.9	30.3	108.2	43.9	22.4	92.3	47.6	30.8	80.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.7	10.7	3D−it:	10.7	10.7	

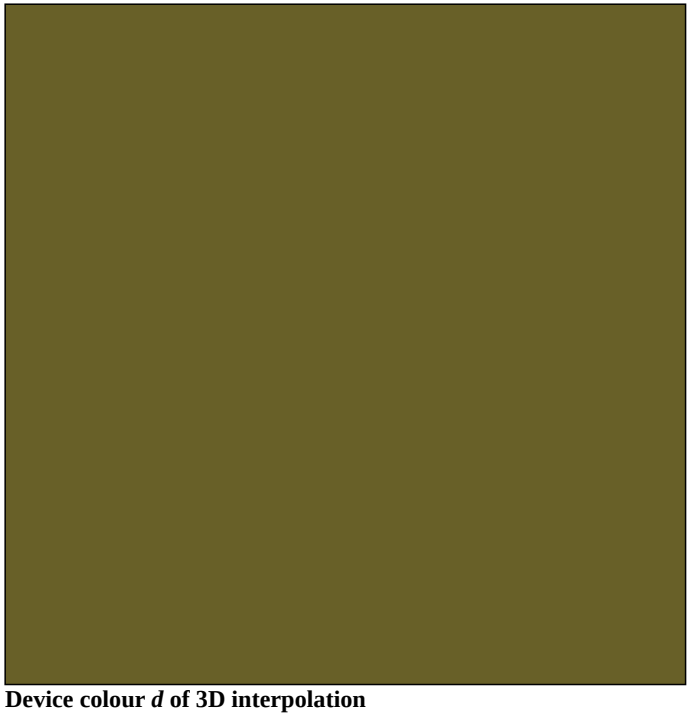
3 Colours no. *j*=878

output of the device colour *d*:

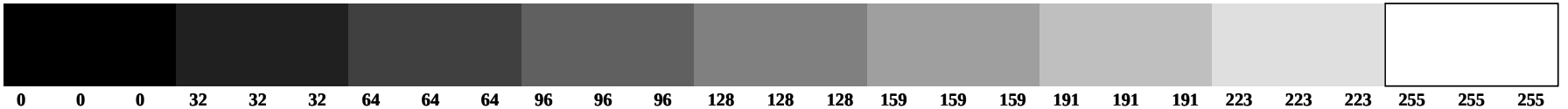
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.125	0.341	0.375	0.125	0.409	0.376	0.158
$olv^*_{Fa,\ 8bit}$	96	96	32	87	96	32	104	96	40
L^*, C^*_{ab}, h_{ab}	44.9	30.3	108.2	45.5	25.6	101.8	46.1	28.8	92.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−in:	8.4	8.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
879	0.25	0.25	0.125	90.0	83.7	89.7	92.3	−3.4	89.7	35.6	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
879	0.25	0.25	0.125	90.0	90.1	102.2	101.8	−20.7	100.1	36.4	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.75	0.125	r99j	o88y		1.0	0.884	0.0	0.25	0.235	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.75	0.125	j13g	o100y		0.865	1.0	0.0	0.233	0.25	0.125

3 Colours no. *j*=879

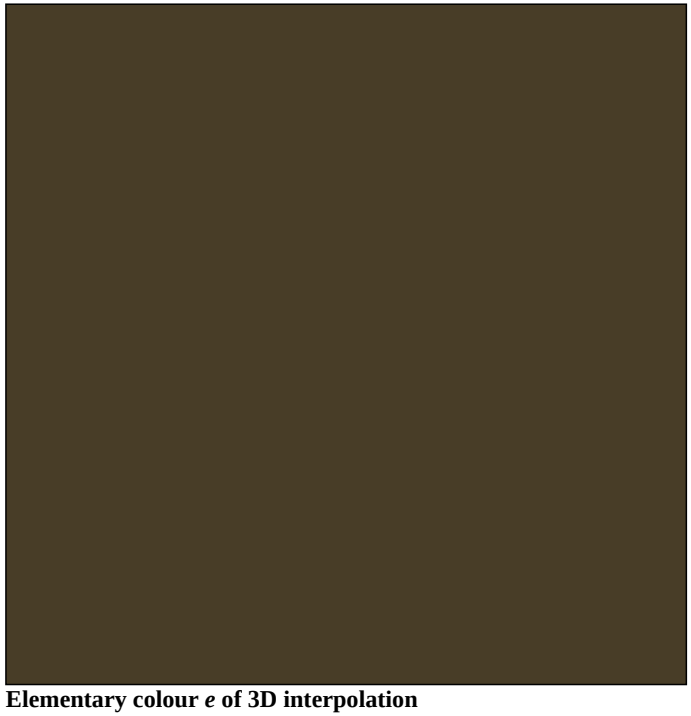
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.125	0.25	0.235	0.125	0.282	0.241	0.152
$rgb^*_{Fa,\ 8bit}$	64	64	32	64	60	32	72	62	39
L^*, C^*_{ab}, h_{ab}	35.5	16.0	110.6	35.6	11.2	92.3	35.8	15.8	72.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.4	6.4	3D−it:	6.5	6.5	

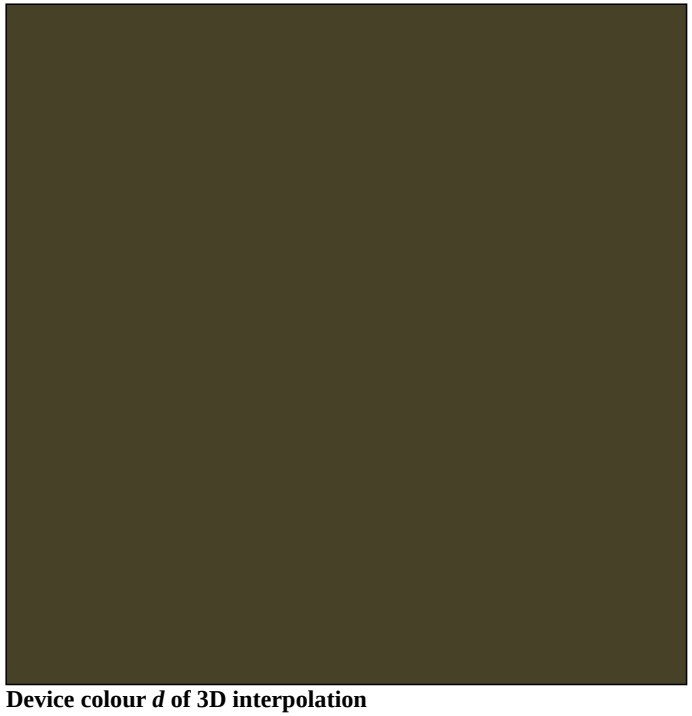
3 Colours no. *j*=879

output of the device colour *d*:

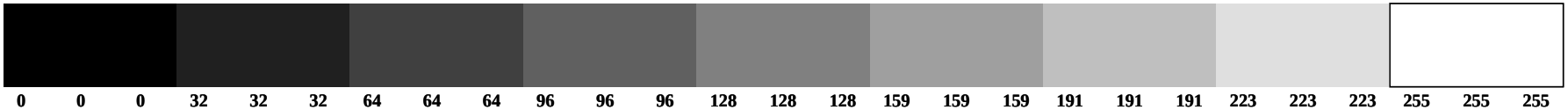
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.125	0.233	0.25	0.125	0.279	0.256	0.151
$olv^*_{Fa,\ 8bit}$	64	64	32	59	64	32	71	65	39
L^*, C^*_{ab}, h_{ab}	35.5	16.0	110.6	36.4	12.8	101.8	37.4	15.0	88.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	6.4	6.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
880	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
880	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=880

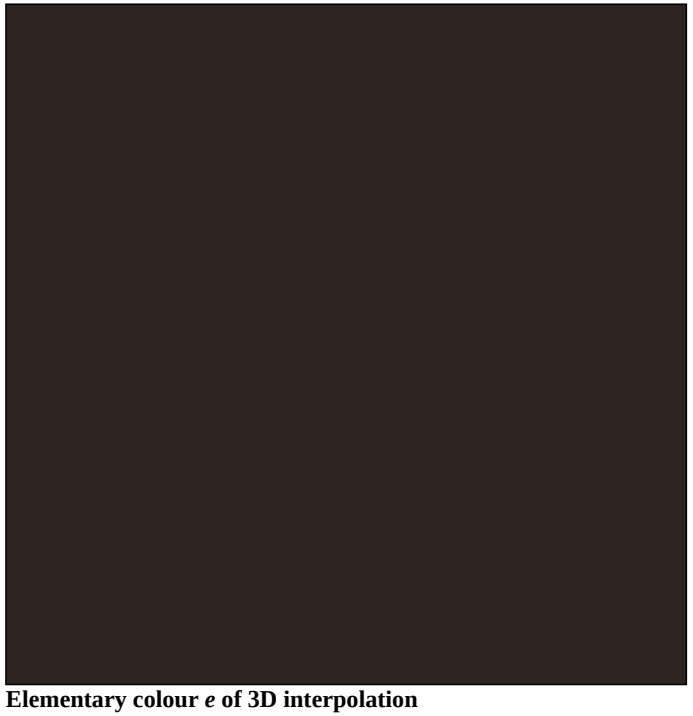
output of the elementary colour *e*:

***rgb* input (in):**			**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.0	289.5	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.4	3.4	

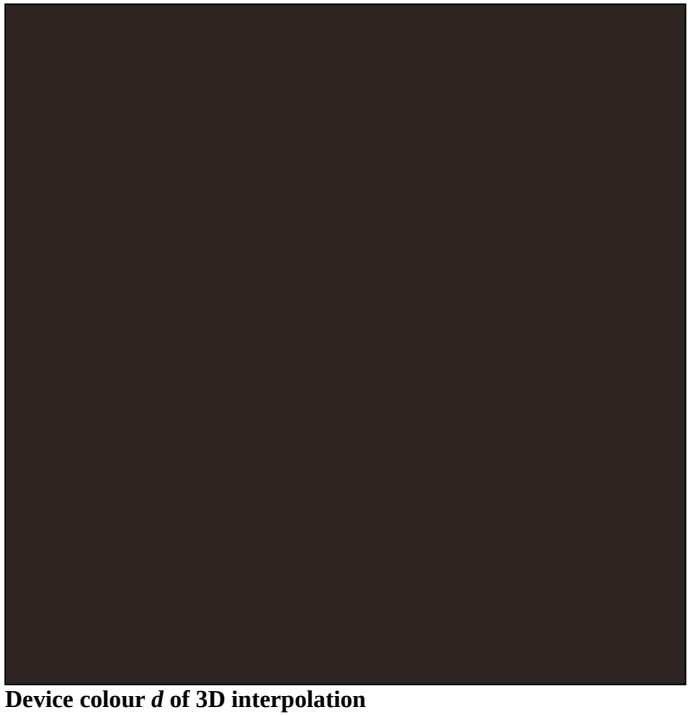
3 Colours no. *j*=880

output of the device colour *d*:

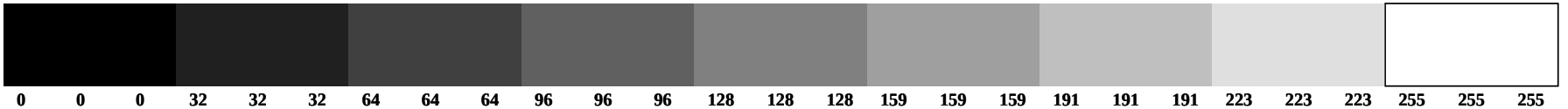
***rgb* input (in):**			**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.0	289.5	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	6.7	6.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
881	0.0	0.0	0.125	270.0	60.4	57.4	271.8	1.8	−57.2	23.0	7.2	271.8	0.2	−7.1	0.875	0.125	b00r	c39v		0.0	0.613	1.0	0.0	0.077	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
881	0.0	0.0	0.125	270.0	44.2	113.3	304.1	63.5	−93.7	21.0	14.2	304.1	7.9	−11.6	0.875	0.125	b28r	v00m		0.569	0.0	1.0	0.071	0.0	0.125

3 Colours no. *j*=881

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.125	0.0	0.077	0.125	0.052	0.102	0.142
$rgb^*_{Fa,\ 8bit}$	0	0	32	0	20	32	13	26	36
L^*, C^*_{ab}, h_{ab}	18.2	13.3	295.0	23.0	7.2	271.8	24.6	2.0	288.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.8	8.8	3D−it:	5.5	5.5	

3 Colours no. *j*=881

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.125	0.071	0.0	0.125	0.082	0.036	0.15
$olv^*_{Fa,\ 8bit}$	0	0	32	18	0	32	21	9	38
L^*, C^*_{ab}, h_{ab}	18.2	13.3	295.0	21.0	14.2	304.1	22.1	14.5	321.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	7.6	7.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
882	1.0	1.0	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	83.7	89.8	92.3	−3.5	89.7	0.0	1.0	r99j	o88y		1.0	0.884	0.0	1.0	0.884	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
882	1.0	1.0	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	90.1	102.2	101.8	−20.8	100.0	0.0	1.0	j13g	o100y		0.864	1.0	0.0	0.864	1.0	0.0

3 Colours no. *j*=882

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.0	1.0	0.884	0.0	1.0	0.884	0.0
$rgb^*_{Fa,\ 8bit}$	255	255	0	255	225	0	255	225	0
L^*, C^*_{ab}, h_{ab}	92.9	102.1	101.8	83.7	89.8	92.3	84.5	90.7	91.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	22.1	22.1	3D−it:	1.7	1.7

3 Colours no. *j*=882

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.0	0.864	1.0	0.0	1.0	1.0	0.0
$olv^*_{Fa,\ 8bit}$	255	255	0	220	255	0	255	255	0
L^*, C^*_{ab}, h_{ab}	92.9	102.1	101.8	90.1	102.2	101.8	93.0	102.4	101.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	2.8	2.8	3D−in:	0.4	0.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
883	0.875	0.875	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	75.4	78.6	92.3	−3.1	78.5	0.125	0.875	r99j	o88y		1.0	0.884	0.0	0.875	0.774	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
883	0.875	0.875	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	81.1	89.4	101.8	−18.2	87.5	0.125	0.875	j13g	o100y		0.864	1.0	0.0	0.756	0.875	0.0

3 Colours no. *j*=883

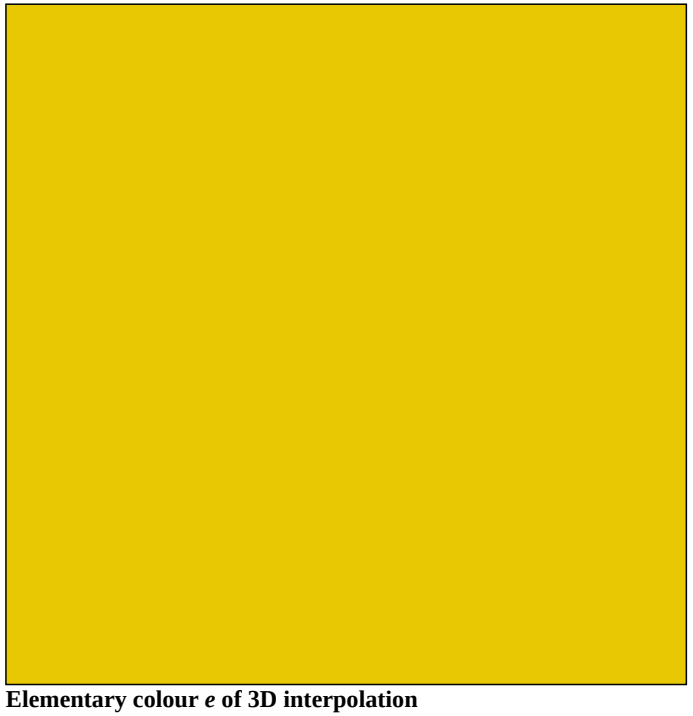
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.0	0.875	0.774	0.0	0.91	0.783	0.012
$rgb^*_{Fa,\ 8bit}$	223	223	0	223	197	0	232	200	3
L^*, C^*_{ab}, h_{ab}	79.8	85.6	101.8	75.4	78.6	92.3	78.5	81.6	91.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.9	15.9	3D−it:	4.4	4.4

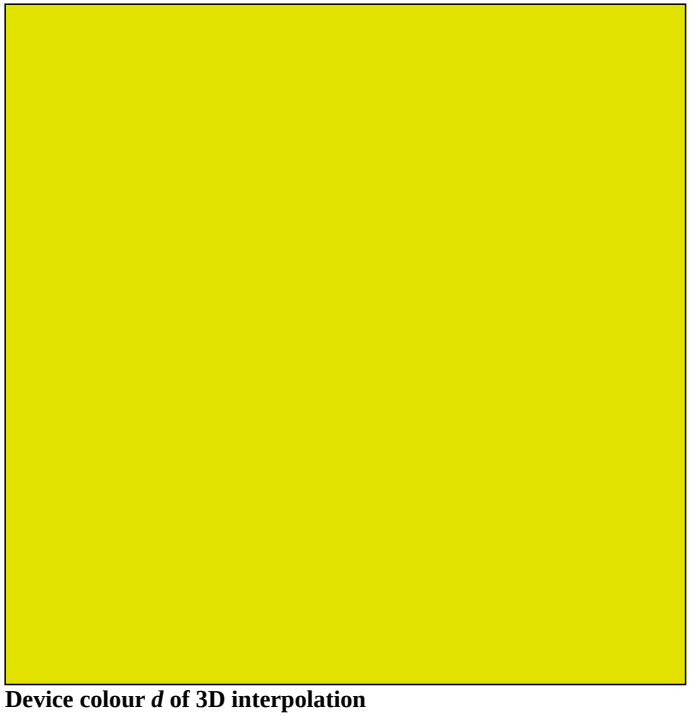
3 Colours no. *j*=883

output of the device colour *d*:

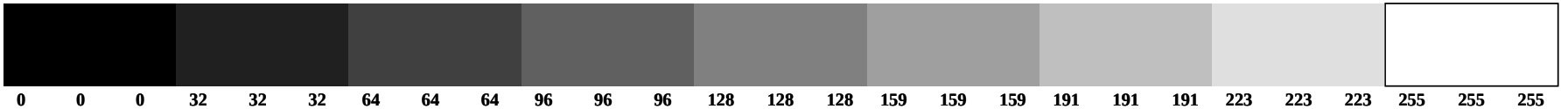
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.0	0.756	0.875	0.0	0.886	0.888	0.0
$olv^*_{Fa,\ 8bit}$	223	223	0	193	223	0	226	227	0
L^*, C^*_{ab}, h_{ab}	79.8	85.6	101.8	81.1	89.4	101.8	82.5	93.2	100.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.0	4.0	3D−in:	8.2	8.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
884	0.75	0.75	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	67.2	67.3	92.3	−2.6	67.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
884	0.75	0.75	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	72.0	76.7	101.8	−15.6	75.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.75	r99j	o88y		1.0	0.884	0.0	0.75	0.663	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.75	j13g	o100y		0.864	1.0	0.0	0.648	0.75	0.0

3 Colours no. *j*=884

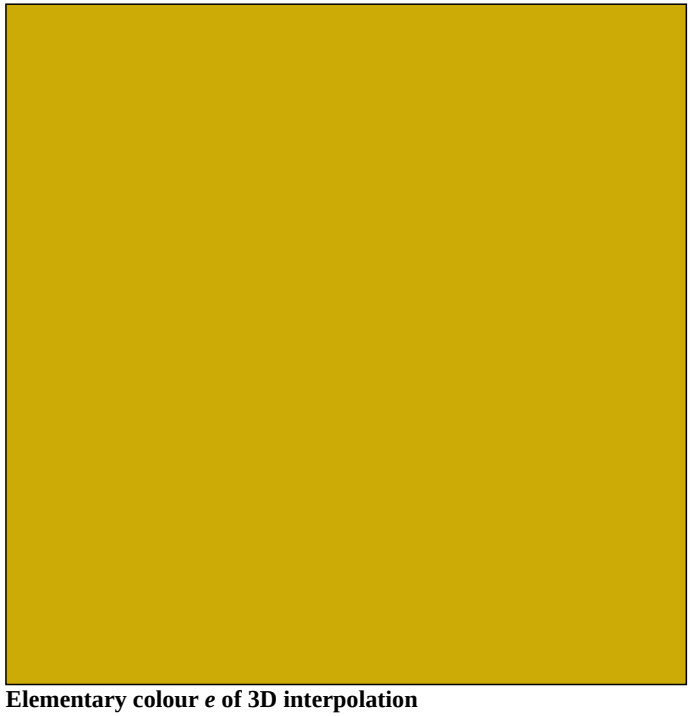
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.0	0.75	0.663	0.0	0.8	0.67	0.024
$rgb^*_{Fa,\ 8bit}$	191	191	0	191	169	0	204	171	6
L^*, C^*_{ab}, h_{ab}	70.3	73.7	102.1	67.2	67.3	92.3	70.6	69.9	91.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.9	13.9	3D−it:	4.3	4.3	

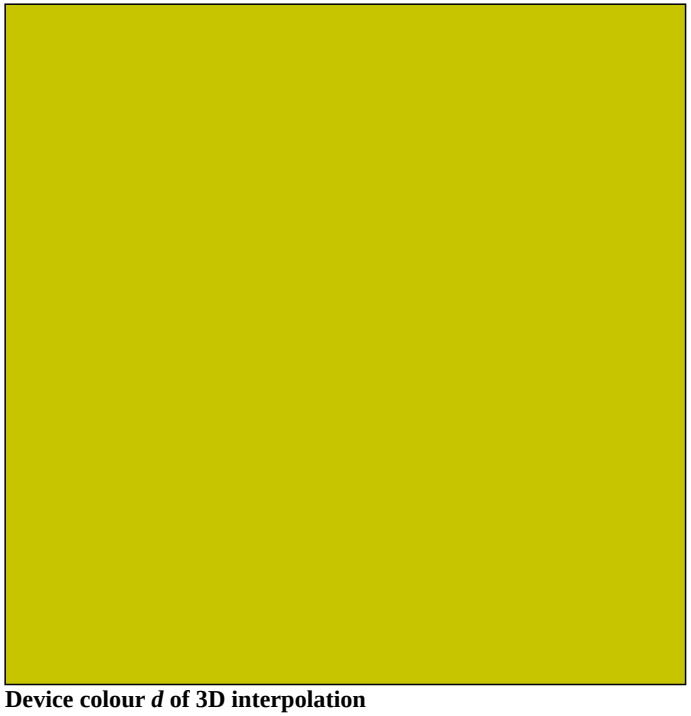
3 Colours no. *j*=884

output of the device colour *d*:

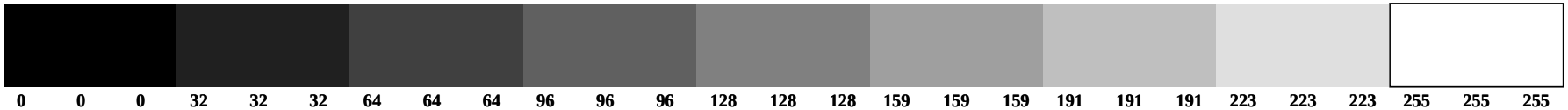
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.0	0.648	0.75	0.0	0.775	0.773	0.0
$olv^*_{Fa,\ 8bit}$	191	191	0	165	191	0	198	197	0
L^*, C^*_{ab}, h_{ab}	70.3	73.7	102.1	72.0	76.7	101.8	73.9	79.6	101.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	7.0	7.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
885	0.625	0.625	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	58.9	56.1	92.3	−2.2	56.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
885	0.625	0.625	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	62.9	63.9	101.8	−13.0	62.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.375	0.625	r99j	o88y		1.0	0.884	0.0	0.625	0.553	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.375	0.625	j13g	o100y		0.864	1.0	0.0	0.54	0.625	0.0

3 Colours no. *j*=885

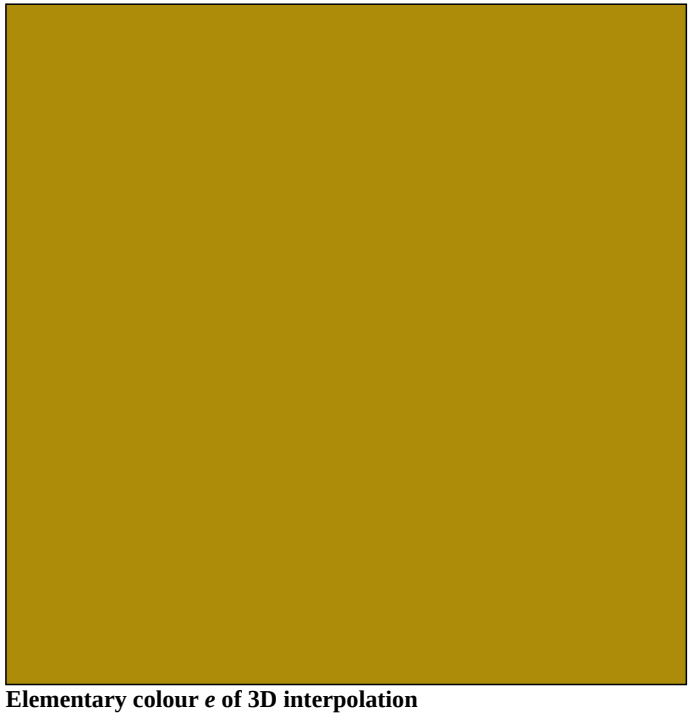
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.0	0.625	0.553	0.0	0.675	0.549	0.032
$rgb^*_{Fa,\ 8bit}$	159	159	0	159	141	0	172	140	8
L^*, C^*_{ab}, h_{ab}	61.7	63.0	103.2	58.9	56.1	92.3	62.3	58.0	91.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.5	13.5	3D−it:	3.9	3.9	

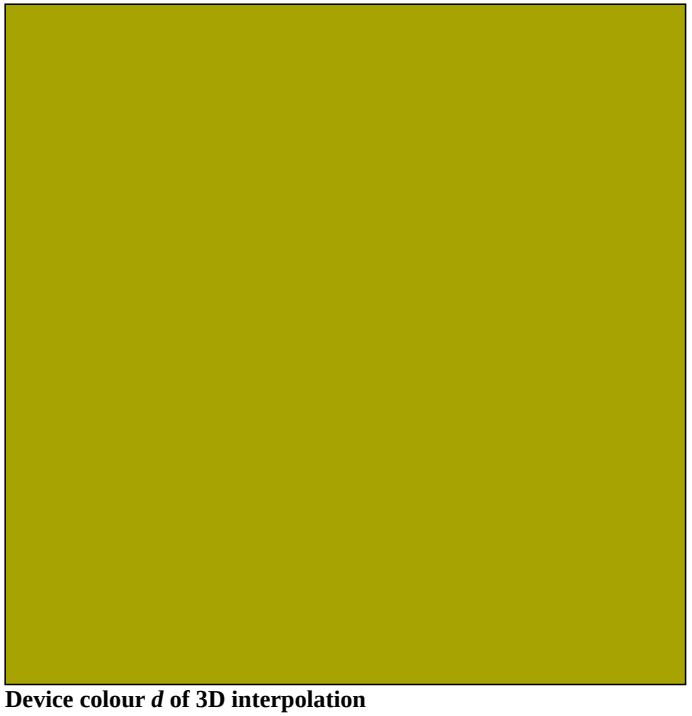
3 Colours no. *j*=885

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.0	0.54	0.625	0.0	0.655	0.639	0.007
$olv^*_{Fa,\ 8bit}$	159	159	0	138	159	0	167	163	2
L^*, C^*_{ab}, h_{ab}	61.7	63.0	103.2	62.9	63.9	101.8	64.3	64.9	100.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.1	2.1	3D−in:	4.6	4.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
886	0.5	0.5	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	50.7	44.9	92.3	−1.7	44.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
886	0.5	0.5	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	53.9	51.1	101.8	−10.3	50.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	r99j	o88y		1.0	0.884	0.0	0.5	0.442	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	j13g	o100y		0.864	1.0	0.0	0.432	0.5	0.0

3 Colours no. *j*=886

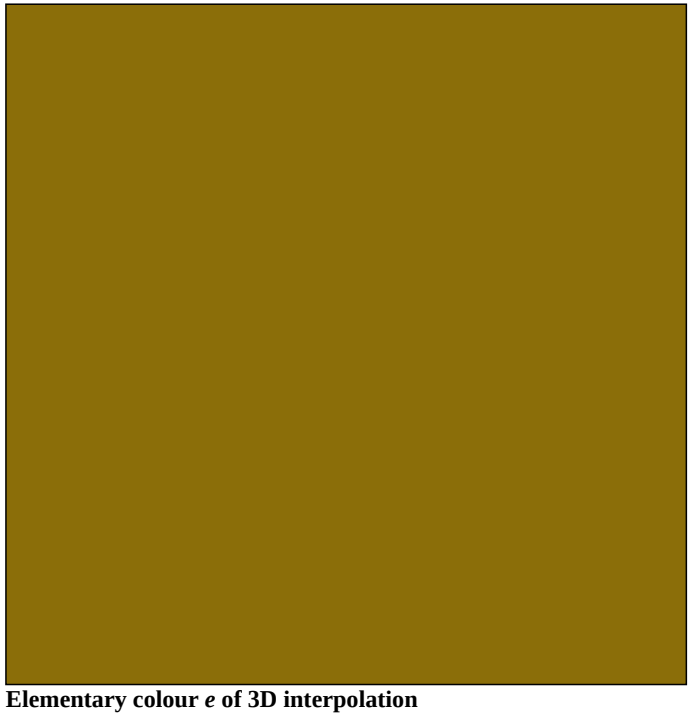
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.0	0.5	0.442	0.0	0.545	0.431	0.035
$rgb^*_{Fa,\ 8bit}$	128	128	0	128	113	0	139	110	9
L^*, C^*_{ab}, h_{ab}	53.5	52.7	104.7	50.7	44.9	92.3	54.4	46.8	90.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.4	13.4	3D−it:	4.4	4.4

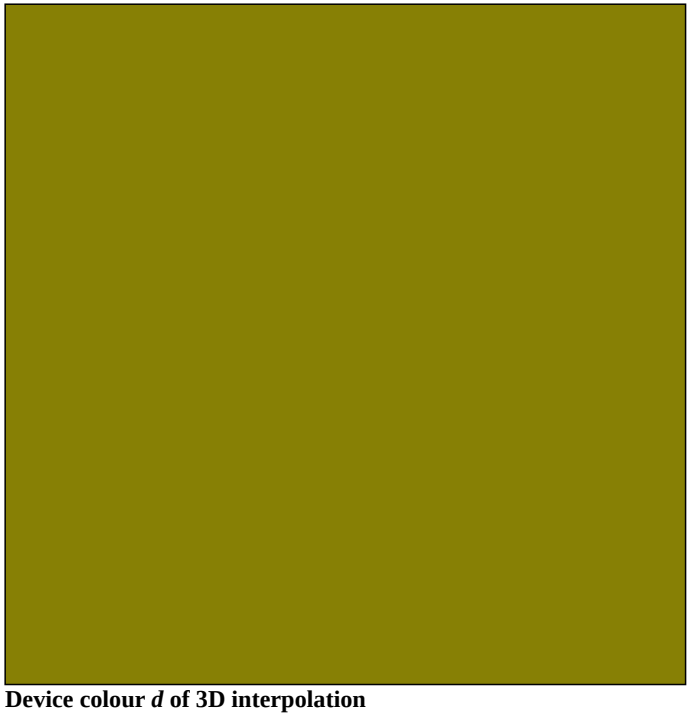
3 Colours no. *j*=886

output of the device colour *d*:

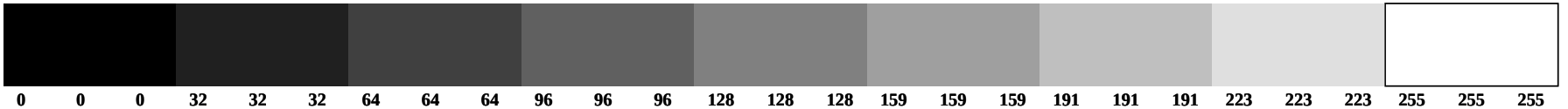
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.0	0.432	0.5	0.0	0.531	0.501	0.021
$olv^*_{Fa,\ 8bit}$	128	128	0	110	128	0	135	128	5
L^*, C^*_{ab}, h_{ab}	53.5	52.7	104.7	53.9	51.1	101.8	54.3	51.5	98.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	3.1	3.1	3D−in:	5.9	5.9



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
887	0.375	0.375	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	42.4	33.7	92.3	−1.2	33.6	0.625	0.375	r99j	o88y		1.0	0.884	0.0	0.375	0.332	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
887	0.375	0.375	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	44.8	38.3	101.8	−7.7	37.5	0.625	0.375	j13g	o100y		0.864	1.0	0.0	0.324	0.375	0.0

3 Colours no. *j*=887

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.0	0.375	0.332	0.0	0.414	0.321	0.033
$rgb^*_{Fa,\ 8bit}$	96	96	0	96	85	0	105	82	9
L^*, C^*_{ab}, h_{ab}	44.7	41.2	106.3	42.4	33.7	92.3	47.2	34.9	87.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−it:	5.6	5.6	

3 Colours no. *j*=887

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.0	0.324	0.375	0.0	0.404	0.369	0.025
$olv^*_{Fa,\ 8bit}$	96	96	0	83	96	0	103	94	6
L^*, C^*_{ab}, h_{ab}	44.7	41.2	106.3	44.8	38.3	101.8	45.0	39.6	95.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
888	0.25	0.25	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	34.2	22.4	92.3	−0.8	22.4	0.75	0.25	r99j	o88y		1.0	0.884	0.0	0.25	0.221	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
888	0.25	0.25	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	35.8	25.6	101.8	−5.1	25.0	0.75	0.25	j13g	o100y		0.865	1.0	0.0	0.216	0.25	0.0

3 Colours no. *j*=888

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.0	0.25	0.221	0.0	0.284	0.222	0.027
$rgb^*_{Fa,\ 8bit}$	64	64	0	64	56	0	72	57	7
L^*, C^*_{ab}, h_{ab}	35.3	27.8	107.7	34.2	22.4	92.3	37.9	26.4	78.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−it:	7.9	7.9	

3 Colours no. *j*=888

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.0	0.216	0.25	0.0	0.279	0.25	0.024
$olv^*_{Fa,\ 8bit}$	64	64	0	55	64	0	71	64	6
L^*, C^*_{ab}, h_{ab}	35.3	27.8	107.7	35.8	25.6	101.8	36.3	26.6	94.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	6.5	6.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
889	0.125	0.125	0.0	90.0	83.7	89.7	92.3	−3.4	89.7	25.9	11.2	92.3	−0.3	11.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
889	0.125	0.125	0.0	90.0	90.1	102.2	101.8	−20.7	100.1	26.7	12.8	101.8	−2.5	12.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.875	0.125	r99j	o88y		1.0	0.884	0.0	0.125	0.11	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.875	0.125	j13g	o100y		0.865	1.0	0.0	0.108	0.125	0.0

3 Colours no. *j*=889

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.0	0.125	0.11	0.0	0.167	0.136	0.016
$rgb^*_{Fa,\ 8bit}$	32	32	0	32	28	0	42	35	4
L^*, C^*_{ab}, h_{ab}	24.1	10.7	108.3	25.9	11.2	92.3	27.7	12.4	78.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−it:	3.5	3.5	

3 Colours no. *j*=889

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.0	0.108	0.125	0.0	0.165	0.148	0.014
$olv^*_{Fa,\ 8bit}$	32	32	0	28	32	0	42	38	4
L^*, C^*_{ab}, h_{ab}	24.1	10.7	108.3	26.7	12.8	101.8	29.3	14.9	97.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	7.1	7.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
890	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
890	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=890

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.5	0.0	234.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.2	0.2	

3 Colours no. *j*=890

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.5	0.0	234.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
891	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
891	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=891

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	53.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.3	0.3	

3 Colours no. *j*=891

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	53.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
892	1.0	0.875	1.0	330.0	57.9	105.2	328.6	89.9	−54.7	90.7	13.2	328.6	11.2	−6.7	0.0	0.125	b50r	m02o		1.0	0.0	0.975	1.0	0.875	0.997
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
892	1.0	0.875	1.0	330.0	56.9	108.7	326.7	90.8	−59.6	90.6	13.6	326.7	11.3	−7.4	0.0	0.125	b47r	m00o		0.966	0.0	1.0	0.996	0.875	1.0

3 Colours no. *j*=892

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.875	1.0	1.0	0.875	0.997	1.0	0.934	0.997
$rgb^*_{Fa,\ 8bit}$	255	223	255	255	223	254	255	238	254
L^*, C^*_{ab}, h_{ab}	85.9	24.9	322.5	90.7	13.2	328.6	95.5	22.4	0.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−it:	14.1	14.1	

3 Colours no. *j*=892

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.875	1.0	0.996	0.875	1.0	1.0	0.933	0.999
$olv^*_{Fa,\ 8bit}$	255	223	255	254	223	255	255	238	255
L^*, C^*_{ab}, h_{ab}	85.9	24.9	322.5	90.6	13.6	326.7	95.5	22.6	0.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.3	12.3	3D−in:	18.3	18.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 893/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
893	1.0	0.75	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	86.0	26.3	328.6	22.5	−13.6	0.0	0.25	b50r	m02o		1.0	0.0	0.976	1.0	0.75	0.994
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
893	1.0	0.75	1.0	330.0	56.9	108.7	326.6	90.8	−59.7	85.8	27.2	326.6	22.7	−14.8	0.0	0.25	b47r	m00o		0.965	0.0	1.0	0.991	0.75	1.0

3 Colours no. *j*=893

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.75	1.0	1.0	0.75	0.994	1.0	0.865	0.994
$rgb^*_{Fa,\ 8bit}$	255	191	255	255	191	253	255	221	253
L^*, C^*_{ab}, h_{ab}	79.7	42.3	323.4	86.0	26.3	328.6	86.0	28.1	333.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	17.4	17.4	3D−it:	3.0	3.0

3 Colours no. *j*=893

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.75	1.0	0.991	0.75	1.0	1.0	0.861	0.998
$olv^*_{Fa,\ 8bit}$	255	191	255	253	191	255	255	220	255
L^*, C^*_{ab}, h_{ab}	79.7	42.3	323.4	85.8	27.2	326.6	86.0	29.7	329.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.4	16.4	3D−in:	14.6	14.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
894	1.0	0.625	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	81.3	39.5	328.6	33.7	−20.5	0.0	0.375	b50r	m02o		1.0	0.0	0.976	1.0	0.625	0.991
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
894	1.0	0.625	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	81.0	40.7	326.6	34.0	−22.3	0.0	0.375	b47r	m00o		0.965	0.0	1.0	0.987	0.625	1.0

3 Colours no. *j*=894

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.625	1.0	1.0	0.625	0.991	1.0	0.768	0.991
$rgb^*_{Fa,\ 8bit}$	255	159	255	255	159	253	255	196	253
L^*, C^*_{ab}, h_{ab}	74.7	57.0	324.2	81.3	39.5	328.6	82.9	37.6	334.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.1	19.1	3D−it:	4.8	4.8	

3 Colours no. *j*=894

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.625	1.0	0.987	0.625	1.0	1.0	0.762	0.997
$olv^*_{Fa,\ 8bit}$	255	159	255	252	159	255	255	194	254
L^*, C^*_{ab}, h_{ab}	74.7	57.0	324.2	81.0	40.7	326.6	82.2	39.4	329.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.5	17.5	3D−in:	19.6	19.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
895	1.0	0.5	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	76.7	52.6	328.6	44.9	−27.3	0.0	0.5	b50r	m02o		1.0	0.0	0.976	1.0	0.5	0.988
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
895	1.0	0.5	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	76.1	54.3	326.6	45.4	−29.8	0.0	0.5	b47r	m00o		0.965	0.0	1.0	0.983	0.5	1.0

3 Colours no. *j*=895

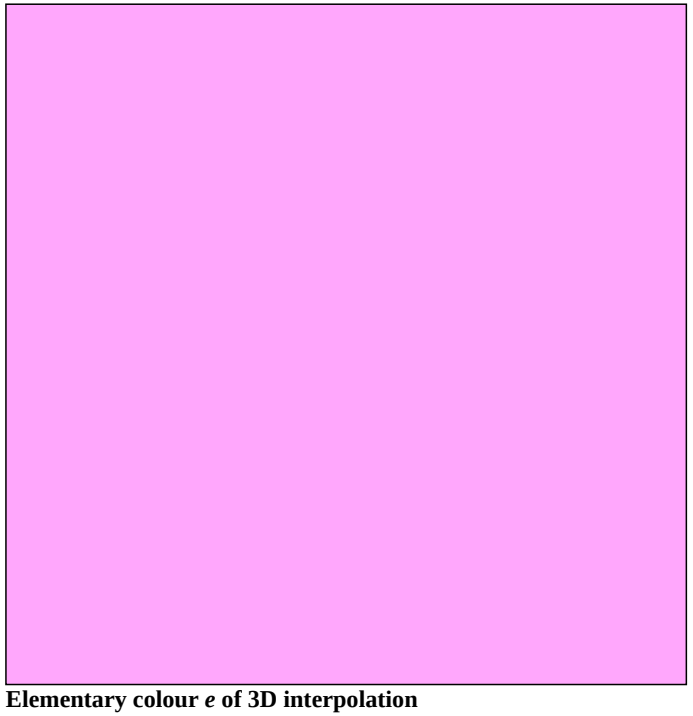
output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.5	1.0	1.0	0.5	0.988	1.0	0.655	0.988
$rgb^*_{Fa,\ 8bit}$	255	128	255	255	128	252	255	167	252
L^*, C^*_{ab}, h_{ab}	70.4	70.1	324.9	76.7	52.6	328.6	78.7	51.0	334.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	19.0	19.0	3D−it:	6.3	6.3	

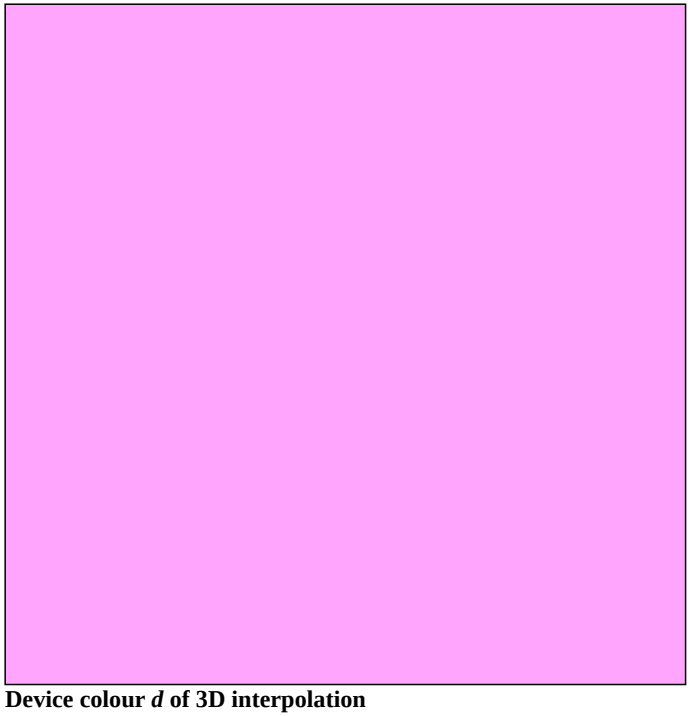
3 Colours no. *j*=895

output of the device colour *d*:

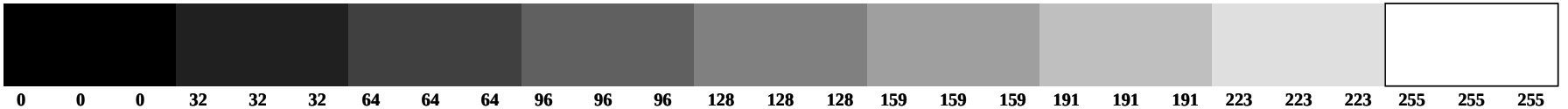
rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.5	1.0	0.983	0.5	1.0	1.0	0.647	0.996
$olv^*_{Fa,\ 8bit}$	255	128	255	251	128	255	255	165	254
L^*, C^*_{ab}, h_{ab}	70.4	70.1	324.9	76.1	54.3	326.6	77.6	53.3	330.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.9	16.9	3D−in:	19.1	19.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
896	1.0	0.375	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	72.0	65.8	328.6	56.2	−34.2	0.0	0.625	b50r	m02o		1.0	0.0	0.976	1.0	0.375	0.985
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
896	1.0	0.375	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	71.3	67.9	326.6	56.7	−37.3	0.0	0.625	b47r	m00o		0.965	0.0	1.0	0.978	0.375	1.0

3 Colours no. *j*=896

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.375	1.0	1.0	0.375	0.985	1.0	0.529	0.985
$rgb^*_{Fa,\ 8bit}$	255	96	255	255	96	251	255	135	251
L^*, C^*_{ab}, h_{ab}	66.3	82.9	325.5	72.0	65.8	328.6	73.6	63.9	333.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	18.4	18.4	3D−it:	6.3	6.3	

3 Colours no. *j*=896

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.375	1.0	0.978	0.375	1.0	1.0	0.518	0.994
$olv^*_{Fa,\ 8bit}$	255	96	255	249	96	255	255	132	254
L^*, C^*_{ab}, h_{ab}	66.3	82.9	325.5	71.3	67.9	326.6	72.4	66.9	329.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.8	15.8	3D−in:	17.7	17.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
897	1.0	0.25	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	67.3	79.0	328.6	67.4	−41.0	0.0	0.75	b50r	m02o		1.0	0.0	0.976	1.0	0.25	0.982
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
897	1.0	0.25	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	66.5	81.5	326.6	68.1	−44.7	0.0	0.75	b47r	m00o		0.965	0.0	1.0	0.974	0.25	1.0

3 Colours no. *j*=897

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	0.25	1.0	1.0	0.25	0.982	1.0	0.394	0.981
$rgb^*_{Fa,\ 8bit}$	255	64	255	255	64	250	255	100	250
L^*, C^*_{ab}, h_{ab}	62.7	94.4	326.1	67.3	79.0	328.6	68.3	76.9	332.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	16.5	16.5	3D−it:	6.0	6.0

3 Colours no. *j*=897

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	0.25	1.0	0.974	0.25	1.0	1.0	0.381	0.992
$olv^*_{Fa,\ 8bit}$	255	64	255	248	64	255	255	97	253
L^*, C^*_{ab}, h_{ab}	62.7	94.4	326.1	66.5	81.5	326.6	66.8	80.6	328.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.5	13.5	3D−in:	14.7	14.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
898	1.0	0.125	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	62.6	92.1	328.6	78.6	−47.9	0.0	0.875	b50r	m02o		1.0	0.0	0.976	1.0	0.125	0.979
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
898	1.0	0.125	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	61.7	95.1	326.6	79.4	−52.2	0.0	0.875	b47r	m00o		0.965	0.0	1.0	0.97	0.125	1.0

3 Colours no. *j*=898

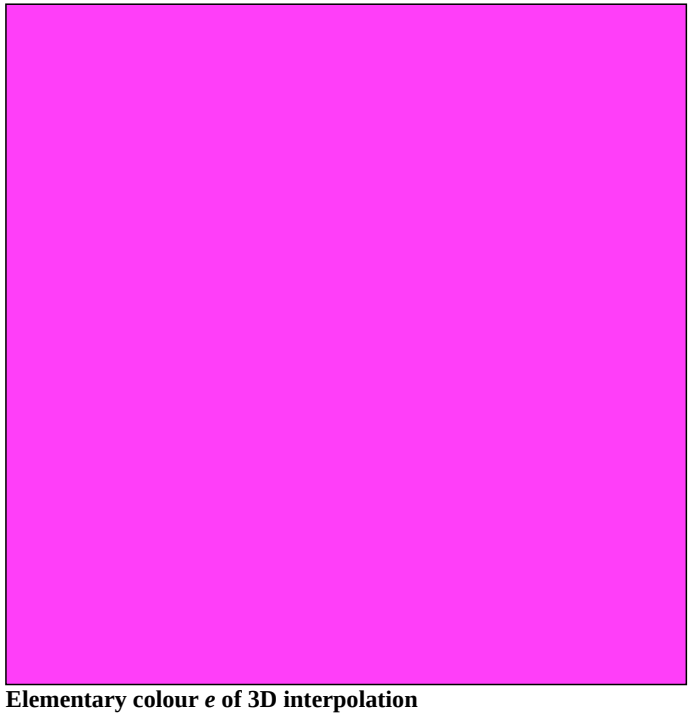
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.125	1.0	1.0	0.125	0.979	1.0	0.243	0.978
$rgb^*_{Fa,\ 8bit}$	255	32	255	255	32	250	255	62	249
L^*, C^*_{ab}, h_{ab}	59.7	104.6	326.5	62.6	92.1	328.6	62.6	90.0	331.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.3	13.3	3D−it:	4.8	4.8	

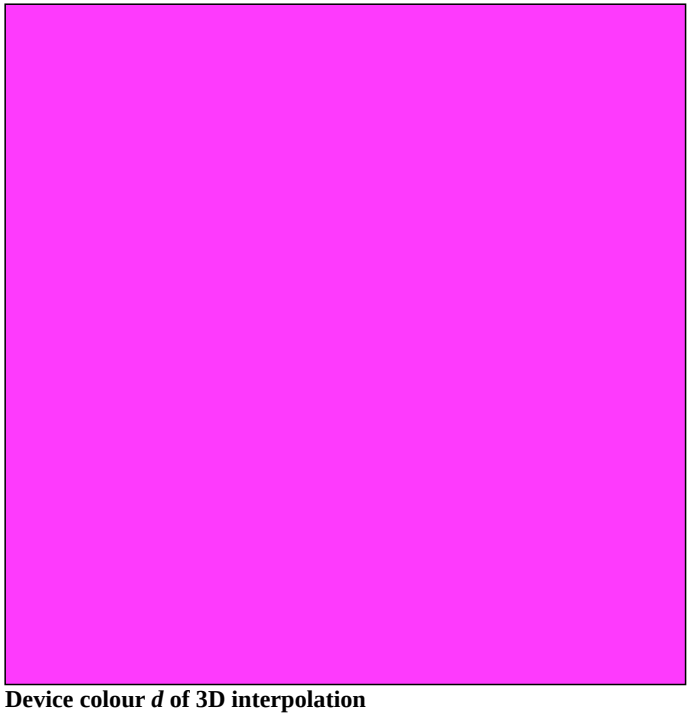
3 Colours no. *j*=898

output of the device colour *d*:

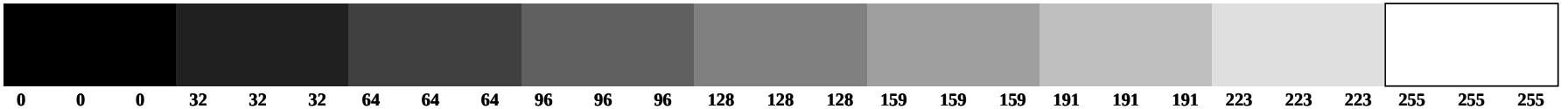
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.125	1.0	0.97	0.125	1.0	0.996	0.226	0.991
$olv^*_{Fa,\ 8bit}$	255	32	255	247	32	255	254	58	253
L^*, C^*_{ab}, h_{ab}	59.7	104.6	326.5	61.7	95.1	326.6	62.6	95.7	327.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−in:	9.4	9.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
899	1.0	0.0	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	57.9	105.3	328.6	89.9	−54.7	0.0	1.0	b50r	m02o		1.0	0.0	0.976	1.0	0.0	0.976
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
899	1.0	0.0	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	56.9	108.7	326.6	90.7	−59.7	0.0	1.0	b47r	m00o		0.965	0.0	1.0	0.965	0.0	1.0

3 Colours no. *j*=899

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	1.0	1.0	0.0	0.976	1.0	0.0	0.974
$rgb^*_{Fa,\ 8bit}$	255	0	255	255	0	249	255	0	248
L^*, C^*_{ab}, h_{ab}	58.5	108.6	326.7	57.9	105.3	328.6	59.6	106.2	330.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.0	5.0	3D−it:	4.3	4.3

3 Colours no. *j*=899

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	1.0	0.965	0.0	1.0	1.0	0.0	1.0
$olv^*_{Fa,\ 8bit}$	255	0	255	246	0	255	255	0	255
L^*, C^*_{ab}, h_{ab}	58.5	108.6	326.7	56.9	108.7	326.6	58.4	108.7	326.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	1.6	1.6	3D−in:	0.2	0.2

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
900	0.875	1.0	0.875	150.0	85.7	63.5	162.2	−60.4	19.4	94.2	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
900	0.875	1.0	0.875	150.0	86.0	110.8	132.5	−74.7	81.7	94.2	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.125	j99g	l77c		0.0	1.0	0.774	0.875	1.0	0.972
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.125	j57g	y100l		0.425	1.0	0.0	0.928	1.0	0.875

3 Colours no. *j*=900

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	1.0	0.875	0.875	1.0	0.972	0.933	1.0	0.979
$rgb^*_{Fa,\ 8bit}$	223	255	223	223	255	248	238	255	250
L^*, C^*_{ab}, h_{ab}	92.0	27.3	134.3	94.2	7.9	162.2	95.4	9.6	115.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.7	20.7	3D−it:	7.3	7.3	

3 Colours no. *j*=900

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	1.0	0.875	0.928	1.0	0.875	0.943	1.0	0.94
$olv^*_{Fa,\ 8bit}$	223	255	223	237	255	223	241	255	240
L^*, C^*_{ab}, h_{ab}	92.0	27.3	134.3	94.2	13.8	132.5	95.5	20.2	89.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.7	13.7	3D−in:	19.4	19.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
901	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0	0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
901	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0	0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=901

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.7	88.7	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	5.4	5.4	**3D−it:**	5.6	5.6	

3 Colours no. *j*=901

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.7	88.7	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	5.4	5.4	**3D−in:**	8.1	8.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
902	0.875	0.75	0.875	330.0	57.9	105.2	328.6	89.9	−54.7	81.0	13.2	328.6	11.2	−6.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
902	0.875	0.75	0.875	330.0	56.9	108.7	326.7	90.8	−59.6	80.9	13.6	326.7	11.3	−7.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.125	b50r	m02o		1.0	0.0	0.975	0.875	0.75	0.872
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.125	b47r	m00o		0.966	0.0	1.0	0.871	0.75	0.875

3 Colours no. *j*=902

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.75	0.875	0.875	0.75	0.872	0.913	0.837	0.922
$rgb^*_{Fa,\ 8bit}$	223	191	223	223	191	222	233	213	235
L^*, C^*_{ab}, h_{ab}	74.9	16.1	333.5	81.0	13.2	328.6	87.3	15.8	335.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	7.0	7.0	

3 Colours no. *j*=902

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.75	0.875	0.871	0.75	0.875	0.91	0.835	0.924
$olv^*_{Fa,\ 8bit}$	223	191	223	222	191	223	232	213	236
L^*, C^*_{ab}, h_{ab}	74.9	16.1	333.5	80.9	13.6	326.7	87.1	16.0	333.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	12.2	12.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
903	0.875	0.625	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	76.3	26.3	328.6	22.5	−13.6	0.125	0.25	b50r	m02o		1.0	0.0	0.976	0.875	0.625	0.869
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
903	0.875	0.625	0.875	330.0	56.9	108.7	326.6	90.8	−59.7	76.1	27.2	326.6	22.7	−14.8	0.125	0.25	b47r	m00o		0.965	0.0	1.0	0.866	0.625	0.875

3 Colours no. *j*=903

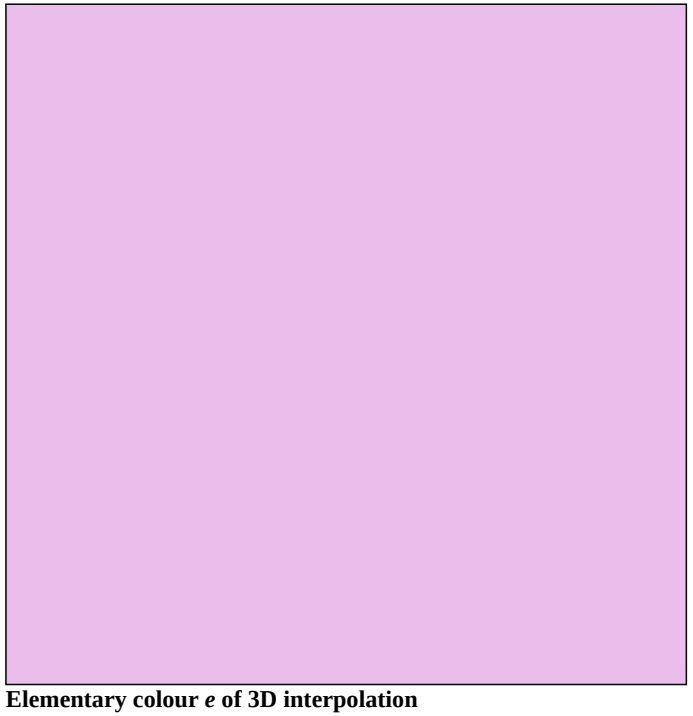
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.625	0.875	0.875	0.625	0.869	0.922	0.743	0.919
$rgb^*_{Fa,\ 8bit}$	223	159	223	223	159	222	235	190	234
L^*, C^*_{ab}, h_{ab}	69.3	31.7	329.5	76.3	26.3	328.6	77.9	31.4	347.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−it:	10.6	10.6	

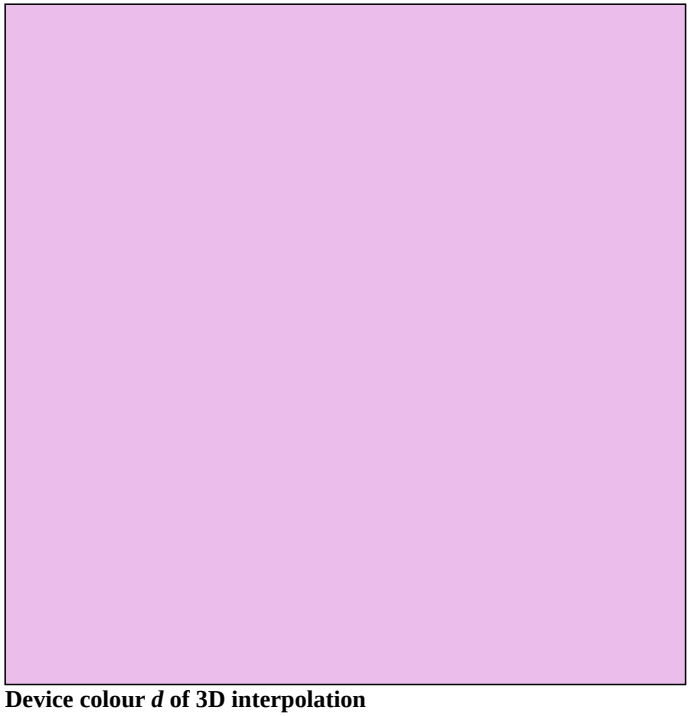
3 Colours no. *j*=903

output of the device colour *d*:

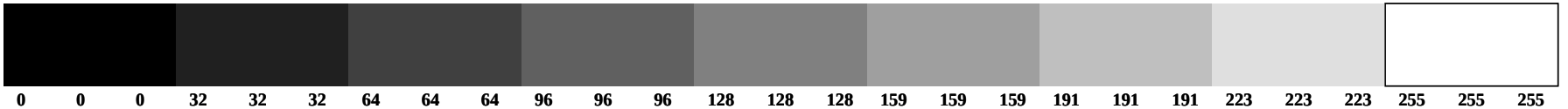
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.625	0.875	0.866	0.625	0.875	0.917	0.74	0.923
$olv^*_{Fa,\ 8bit}$	223	159	223	221	159	223	234	189	235
L^*, C^*_{ab}, h_{ab}	69.3	31.7	329.5	76.1	27.2	326.6	77.4	31.8	347.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	12.7	12.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
904	0.875	0.5	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	71.6	39.5	328.6	33.7	−20.5	0.125	0.375	b50r	m02o		1.0	0.0	0.976	0.875	0.5	0.866
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
904	0.875	0.5	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	71.2	40.7	326.6	34.0	−22.3	0.125	0.375	b47r	m00o		0.965	0.0	1.0	0.862	0.5	0.875

3 Colours no. *j*=904

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.5	0.875	0.875	0.5	0.866	0.925	0.632	0.916
$rgb^*_{Fa,\ 8bit}$	223	128	223	223	128	221	236	161	234
L^*, C^*_{ab}, h_{ab}	64.4	45.8	328.6	71.6	39.5	328.6	79.8	37.6	334.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	9.3	9.3	

3 Colours no. *j*=904

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.5	0.875	0.862	0.5	0.875	0.918	0.627	0.922
$olv^*_{Fa,\ 8bit}$	223	128	223	220	128	223	234	160	235
L^*, C^*_{ab}, h_{ab}	64.4	45.8	328.6	71.2	40.7	326.6	79.8	39.4	329.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.6	8.6	3D−in:	16.7	16.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
905	0.875	0.375	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	66.9	52.6	328.6	44.9	−27.3	0.125	0.5	b50r	m02o		1.0	0.0	0.976	0.875	0.375	0.863
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
905	0.875	0.375	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	66.4	54.3	326.6	45.4	−29.8	0.125	0.5	b47r	m00o		0.965	0.0	1.0	0.858	0.375	0.875

3 Colours no. *j*=905

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.375	0.875	0.875	0.375	0.863	0.924	0.513	0.913
$rgb^*_{Fa,\ 8bit}$	223	96	223	223	96	220	236	131	233
L^*, C^*_{ab}, h_{ab}	59.7	60.1	328.5	66.9	52.6	328.6	69.7	56.1	334.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−it:	7.4	7.4	

3 Colours no. *j*=905

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.375	0.875	0.858	0.375	0.875	0.915	0.505	0.921
$olv^*_{Fa,\ 8bit}$	223	96	223	219	96	223	233	129	235
L^*, C^*_{ab}, h_{ab}	59.7	60.1	328.5	66.4	54.3	326.6	74.7	53.3	330.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−in:	16.5	16.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
906	0.875	0.25	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	62.2	65.8	328.6	56.2	−34.2	0.125	0.625	b50r	m02o		1.0	0.0	0.976	0.875	0.25	0.86
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
906	0.875	0.25	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	61.6	67.9	326.6	56.7	−37.3	0.125	0.625	b47r	m00o		0.965	0.0	1.0	0.853	0.25	0.875

3 Colours no. *j*=906

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.25	0.875	0.875	0.25	0.86	0.921	0.387	0.91
$rgb^*_{Fa,\ 8bit}$	223	64	223	223	64	219	235	99	232
L^*, C^*_{ab}, h_{ab}	55.4	73.7	328.7	62.2	65.8	328.6	65.0	68.6	332.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.4	10.4	3D−it:	6.3	6.3	

3 Colours no. *j*=906

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.25	0.875	0.853	0.25	0.875	0.909	0.378	0.919
$olv^*_{Fa,\ 8bit}$	223	64	223	218	64	223	232	96	234
L^*, C^*_{ab}, h_{ab}	55.4	73.7	328.7	61.6	67.9	326.6	63.8	69.6	333.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.9	8.9	3D−in:	10.9	10.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
907	0.875	0.125	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	57.6	79.0	328.6	67.4	−41.0	0.125	0.75	b50r	m02o		1.0	0.0	0.976	0.875	0.125	0.857
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
907	0.875	0.125	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	56.8	81.5	326.6	68.1	−44.7	0.125	0.75	b47r	m00o		0.965	0.0	1.0	0.849	0.125	0.875

3 Colours no. *j*=907

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.125	0.875	0.875	0.125	0.857	0.914	0.253	0.907
$rgb^*_{Fa,\ 8bit}$	223	32	223	223	32	218	233	64	231
L^*, C^*_{ab}, h_{ab}	51.7	85.9	329.0	57.6	79.0	328.6	59.9	81.5	332.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.1	9.1	3D−it:	6.0	6.0	

3 Colours no. *j*=907

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.125	0.875	0.849	0.125	0.875	0.899	0.24	0.918
$olv^*_{Fa,\ 8bit}$	223	32	223	216	32	223	229	61	234
L^*, C^*_{ab}, h_{ab}	51.7	85.9	329.0	56.8	81.5	326.6	58.3	82.7	332.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−in:	9.0	9.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
908	0.875	0.0	0.875	330.0	57.9	105.3	328.6	89.9	−54.7	52.9	92.1	328.6	78.6	−47.9	0.125	0.875	b50r	m02o		1.0	0.0	0.976	0.875	0.0	0.854
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
908	0.875	0.0	0.875	330.0	56.9	108.7	326.6	90.7	−59.7	52.0	95.1	326.6	79.4	−52.2	0.125	0.875	b47r	m00o		0.965	0.0	1.0	0.845	0.0	0.875

3 Colours no. *j*=908

output of the elementary colour *e*:

rgb input (in):									
	0.875	0.0	0.875	0.875	0.0	0.854	0.904	0.072	0.903
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	223	0	223	223	0	218	231	18	230
L^*, C^*_{ab}, h_{ab}	50.1	90.9	329.2	52.9	92.1	328.6	55.7	92.0	329.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.2	3.2	3D−it:	3.4	3.4	

3 Colours no. *j*=908

output of the device colour *d*:

rgb input (in):									
	0.875	0.0	0.875	0.845	0.0	0.875	0.886	0.04	0.916
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	223	0	223	215	0	223	226	10	234
L^*, C^*_{ab}, h_{ab}	50.1	90.9	329.2	52.0	95.1	326.6	53.9	93.3	330.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−in:	4.8	4.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
909	0.75	1.0	0.75	150.0	85.7	63.5	162.2	−60.4	19.4	93.0	15.9	162.2	−15.0	4.9
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
909	0.75	1.0	0.75	150.0	86.0	110.8	132.5	−74.7	81.7	93.1	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.25	j99g	l77c		0.0	1.0	0.774	0.75	1.0	0.944
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.25	j57g	y100l		0.425	1.0	0.0	0.856	1.0	0.75

3 Colours no. *j*=909

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	1.0	0.75	0.75	1.0	0.944	0.868	1.0	0.957
$rgb^*_{Fa,\ 8bit}$	191	255	191	191	255	241	221	255	244
L^*, C^*_{ab}, h_{ab}	90.0	42.6	137.4	93.0	15.9	162.2	93.0	17.5	129.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.2	29.2	3D−it:	9.6	9.6	

3 Colours no. *j*=909

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	1.0	0.75	0.856	1.0	0.75	0.892	1.0	0.875
$olv^*_{Fa,\ 8bit}$	191	255	191	218	255	191	227	255	223
L^*, C^*_{ab}, h_{ab}	90.0	42.6	137.4	93.1	27.7	132.5	94.3	27.9	130.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.5	15.5	3D−in:	15.9	15.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
910	0.75	0.875	0.75	150.0	85.7	63.5	162.2	−60.4	19.4	84.5	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
910	0.75	0.875	0.75	150.0	86.0	110.8	132.5	−74.7	81.7	84.5	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.125	j99g	l77c		0.0	1.0	0.774	0.75	0.875	0.847
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.125	j57g	y100l		0.425	1.0	0.0	0.803	0.875	0.75

3 Colours no. *j*=910

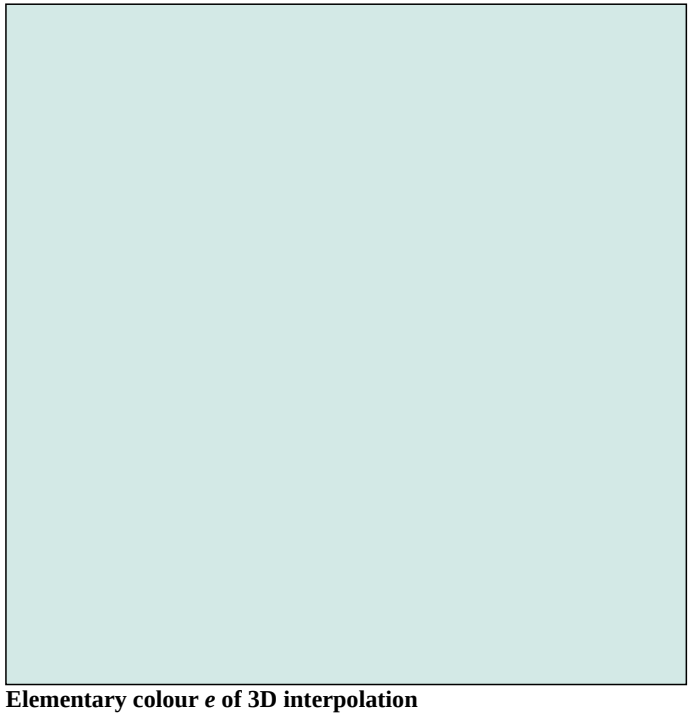
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.875	0.75	0.75	0.875	0.847	0.826	0.915	0.903
$rgb^*_{Fa,\ 8bit}$	191	223	191	191	223	216	211	233	230
L^*, C^*_{ab}, h_{ab}	79.3	18.0	136.1	84.5	7.9	162.2	89.3	7.6	145.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−it:	5.3	5.3	

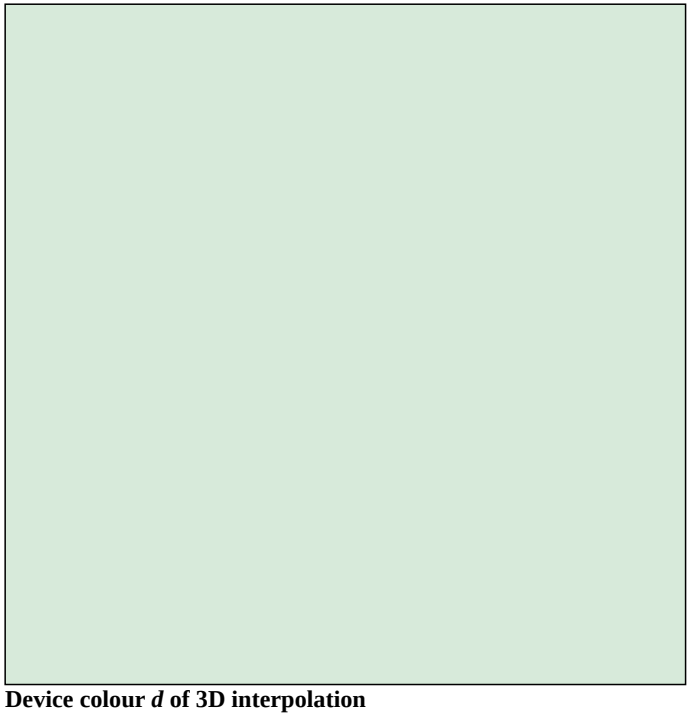
3 Colours no. *j*=910

output of the device colour *d*:

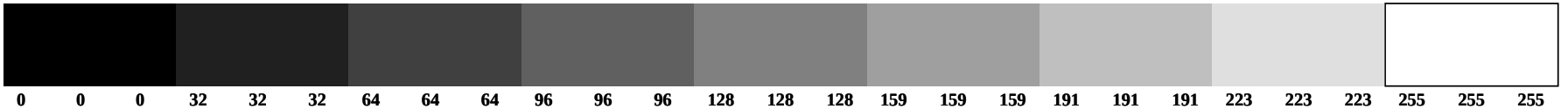
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.875	0.75	0.803	0.875	0.75	0.842	0.917	0.856
$olv^*_{Fa,\ 8bit}$	191	223	191	205	223	191	215	234	218
L^*, C^*_{ab}, h_{ab}	79.3	18.0	136.1	84.5	13.8	132.5	88.0	16.3	103.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.7	6.7	3D−in:	13.1	13.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
911	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0	0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
911	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0	0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. *j*=911

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.6	46.8	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.4	4.4	

3 Colours no. *j*=911

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.6	46.8	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	8.0	8.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
912	0.75	0.625	0.75	330.0	57.9	105.2	328.6	89.9	−54.7	71.3	13.2	328.6	11.2	−6.7	0.25	0.125	b50r	m02o		1.0	0.0	0.975	0.75	0.625	0.747
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
912	0.75	0.625	0.75	330.0	56.9	108.7	326.7	90.8	−59.6	71.2	13.6	326.7	11.3	−7.4	0.25	0.125	b47r	m00o		0.966	0.0	1.0	0.746	0.625	0.75

3 Colours no. *j*=912

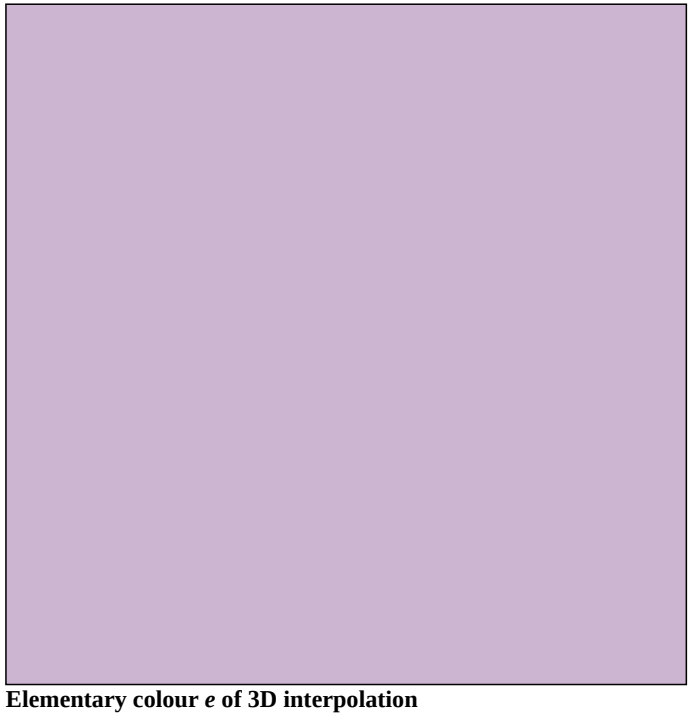
output of the elementary colour *e*:

rgb input (in):									
	0.75	0.625	0.75	0.75	0.625	0.747	0.8	0.71	0.819
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	191	159	191	191	159	190	204	181	209
L^*, C^*_{ab}, h_{ab}	66.0	16.2	329.1	71.3	13.2	328.6	74.7	15.8	335.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.1	6.1	3D−it:	4.6	4.6	

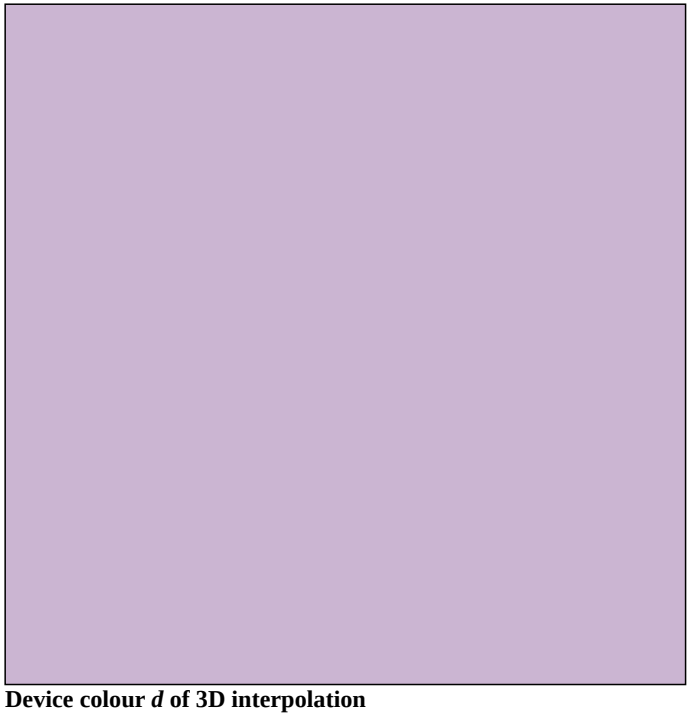
3 Colours no. *j*=912

output of the device colour *d*:

rgb input (in):									
	0.75	0.625	0.75	0.746	0.625	0.75	0.797	0.708	0.823
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	191	159	191	190	159	191	203	181	210
L^*, C^*_{ab}, h_{ab}	66.0	16.2	329.1	71.2	13.6	326.7	74.7	16.0	333.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.8	5.8	3D−in:	8.8	8.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
913	0.75	0.5	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	66.6	26.3	328.6	22.5	−13.6	0.25	0.25	b50r	m02o		1.0	0.0	0.976	0.75	0.5	0.744
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
913	0.75	0.5	0.75	330.0	56.9	108.7	326.6	90.8	−59.7	66.3	27.2	326.6	22.7	−14.8	0.25	0.25	b47r	m00o		0.965	0.0	1.0	0.741	0.5	0.75

3 Colours no. *j*=913

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.5	0.75	0.75	0.5	0.744	0.808	0.605	0.814
$rgb^*_{Fa,\ 8bit}$	191	128	191	191	128	190	206	154	208
L^*, C^*_{ab}, h_{ab}	60.7	31.2	327.5	66.6	26.3	328.6	69.0	29.6	337.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−it:	5.9	5.9	

3 Colours no. *j*=913

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.5	0.75	0.741	0.5	0.75	0.802	0.601	0.822
$olv^*_{Fa,\ 8bit}$	191	128	191	189	128	191	205	153	210
L^*, C^*_{ab}, h_{ab}	60.7	31.2	327.5	66.3	27.2	326.6	69.0	30.6	333.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−in:	8.8	8.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
914	0.75	0.375	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	61.9	39.5	328.6	33.7	−20.5	0.25	0.375	b50r	m02o		1.0	0.0	0.976	0.75	0.375	0.741
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
914	0.75	0.375	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	61.5	40.7	326.6	34.0	−22.3	0.25	0.375	b47r	m00o		0.965	0.0	1.0	0.737	0.375	0.75

3 Colours no. *j*=914

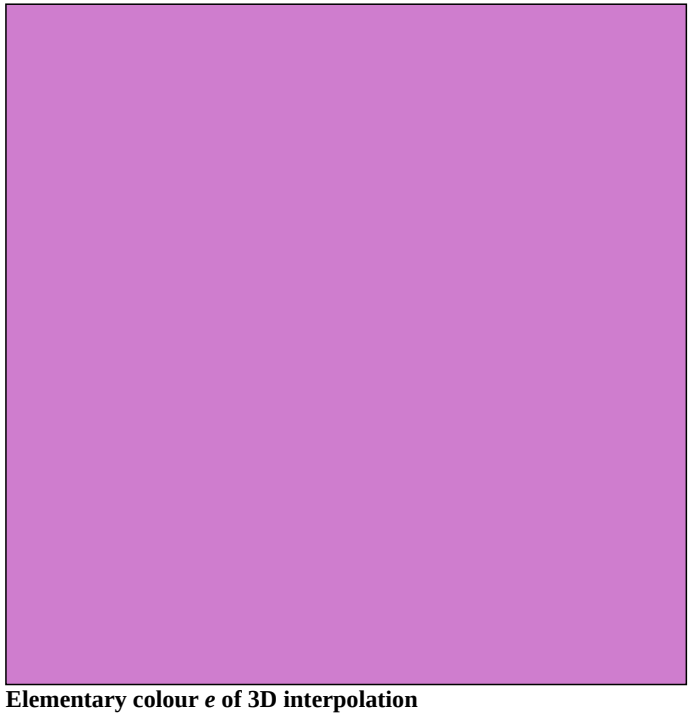
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.375	0.75	0.75	0.375	0.741	0.811	0.492	0.809
$rgb^*_{Fa,\ 8bit}$	191	96	191	191	96	189	207	125	206
L^*, C^*_{ab}, h_{ab}	55.5	46.6	327.5	61.9	39.5	328.6	64.1	42.8	336.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−it:	6.7	6.7	

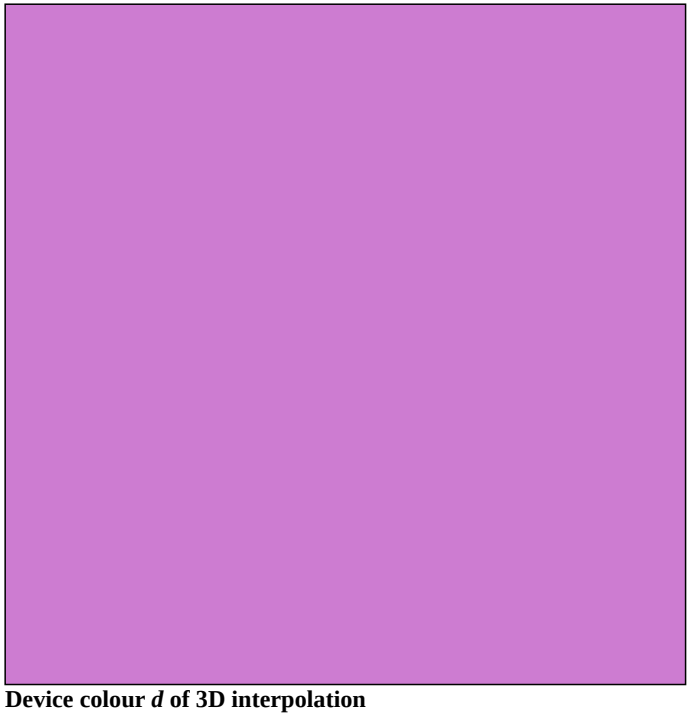
3 Colours no. *j*=914

output of the device colour *d*:

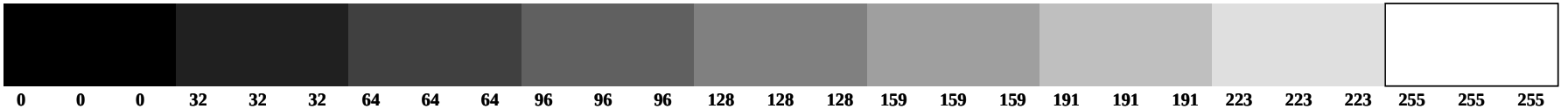
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.375	0.75	0.737	0.375	0.75	0.802	0.486	0.82
$olv^*_{Fa,\ 8bit}$	191	96	191	188	96	191	204	124	209
L^*, C^*_{ab}, h_{ab}	55.5	46.6	327.5	61.5	40.7	326.6	64.1	44.4	331.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.4	8.4	3D−in:	9.5	9.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
915	0.75	0.25	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	57.2	52.6	328.6	44.9	−27.3	0.25	0.5	b50r	m02o		1.0	0.0	0.976	0.75	0.25	0.738
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
915	0.75	0.25	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	56.7	54.3	326.6	45.4	−29.8	0.25	0.5	b47r	m00o		0.965	0.0	1.0	0.733	0.25	0.75

3 Colours no. *j*=915

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.25	0.75	0.75	0.25	0.738	0.808	0.376	0.803
$rgb^*_{Fa,\ 8bit}$	191	64	191	191	64	188	206	96	205
L^*, C^*_{ab}, h_{ab}	50.7	61.5	327.8	57.2	52.6	328.6	59.5	56.4	335.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.0	11.0	3D−it:	7.8	7.8	

3 Colours no. *j*=915

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.25	0.75	0.733	0.25	0.75	0.795	0.369	0.818
$olv^*_{Fa,\ 8bit}$	191	64	191	187	64	191	203	94	209
L^*, C^*_{ab}, h_{ab}	50.7	61.5	327.8	56.7	54.3	326.6	59.5	58.7	331.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.5	9.5	3D−in:	9.8	9.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
916	0.75	0.125	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	52.5	65.8	328.6	56.2	−34.2	0.25	0.625	b50r	m02o		1.0	0.0	0.976	0.75	0.125	0.735
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
916	0.75	0.125	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	51.9	67.9	326.6	56.7	−37.3	0.25	0.625	b47r	m00o		0.965	0.0	1.0	0.728	0.125	0.75

3 Colours no. *j*=916

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.125	0.75	0.75	0.125	0.735	0.8	0.253	0.796
$rgb^*_{Fa,\ 8bit}$	191	32	191	191	32	187	204	64	203
L^*, C^*_{ab}, h_{ab}	46.3	75.5	328.3	52.5	65.8	328.6	54.5	68.6	331.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−it:	5.0	5.0	

3 Colours no. *j*=916

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.125	0.75	0.728	0.125	0.75	0.784	0.244	0.815
$olv^*_{Fa,\ 8bit}$	191	32	191	186	32	191	200	62	208
L^*, C^*_{ab}, h_{ab}	46.3	75.5	328.3	51.9	67.9	326.6	55.2	72.7	329.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.6	9.6	3D−in:	9.5	9.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
917	0.75	0.0	0.75	330.0	57.9	105.3	328.6	89.9	−54.7	47.8	79.0	328.6	67.4	−41.0	0.25	0.75	b50r	m02o		1.0	0.0	0.976	0.75	0.0	0.732
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
917	0.75	0.0	0.75	330.0	56.9	108.7	326.6	90.7	−59.7	47.1	81.5	326.6	68.1	−44.7	0.25	0.75	b47r	m00o		0.965	0.0	1.0	0.724	0.0	0.75

3 Colours no. *j*=917

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.0	0.75	0.75	0.0	0.732	0.788	0.121	0.79
$rgb^*_{Fa,\ 8bit}$	191	0	191	191	0	187	201	31	201
L^*, C^*_{ab}, h_{ab}	44.5	81.4	328.6	47.8	79.0	328.6	49.5	81.0	330.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.0	4.0	

3 Colours no. *j*=917

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.0	0.75	0.724	0.0	0.75	0.768	0.1	0.812
$olv^*_{Fa,\ 8bit}$	191	0	191	185	0	191	196	26	207
L^*, C^*_{ab}, h_{ab}	44.5	81.4	328.6	47.1	81.5	326.6	49.8	81.1	328.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
918	0.625	1.0	0.625	150.0	85.7	63.5	162.2	−60.4	19.4	91.8	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
918	0.625	1.0	0.625	150.0	86.0	110.8	132.5	−74.7	81.7	91.9	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.375	j99g	l77c		0.0	1.0	0.774	0.625	1.0	0.915
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.375	j57g	y100l		0.425	1.0	0.0	0.784	1.0	0.625

3 Colours no. *j*=918

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	1.0	0.625	0.625	1.0	0.915	0.775	1.0	0.935
$rgb^*_{Fa,\ 8bit}$	159	255	159	159	255	233	198	255	238
L^*, C^*_{ab}, h_{ab}	88.4	56.6	138.7	91.8	23.8	162.2	93.2	24.7	135.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	36.2	36.2	3D−it:	11.2	11.2	

3 Colours no. *j*=918

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	1.0	0.625	0.784	1.0	0.625	0.82	1.0	0.749
$olv^*_{Fa,\ 8bit}$	159	255	159	200	255	159	209	255	191
L^*, C^*_{ab}, h_{ab}	88.4	56.6	138.7	91.9	41.5	132.5	93.9	40.5	127.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.3	16.3	3D−in:	19.4	19.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
919	0.625	0.875	0.625	150.0	85.7	63.5	162.2	−60.4	19.4	83.3	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
919	0.625	0.875	0.625	150.0	86.0	110.8	132.5	−74.7	81.7	83.3	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.25	j99g	l77c		0.0	1.0	0.774	0.625	0.875	0.819
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.25	j57g	y100l		0.425	1.0	0.0	0.731	0.875	0.625

3 Colours no. *j*=919

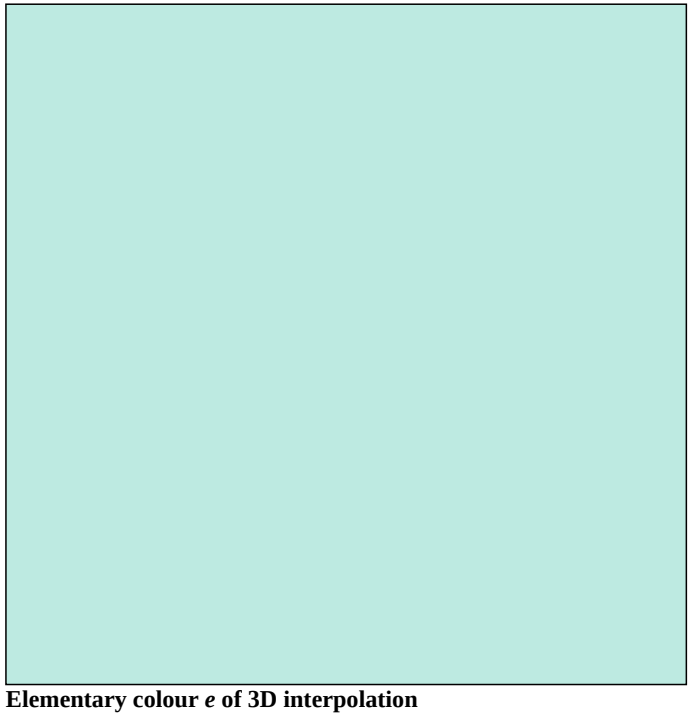
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.875	0.625	0.625	0.875	0.819	0.743	0.917	0.881
$rgb^*_{Fa,\ 8bit}$	159	223	159	159	223	209	189	234	225
L^*, C^*_{ab}, h_{ab}	77.3	32.5	140.6	83.3	15.9	162.2	86.9	12.7	134.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	19.6	19.6	3D−it:	8.4	8.4

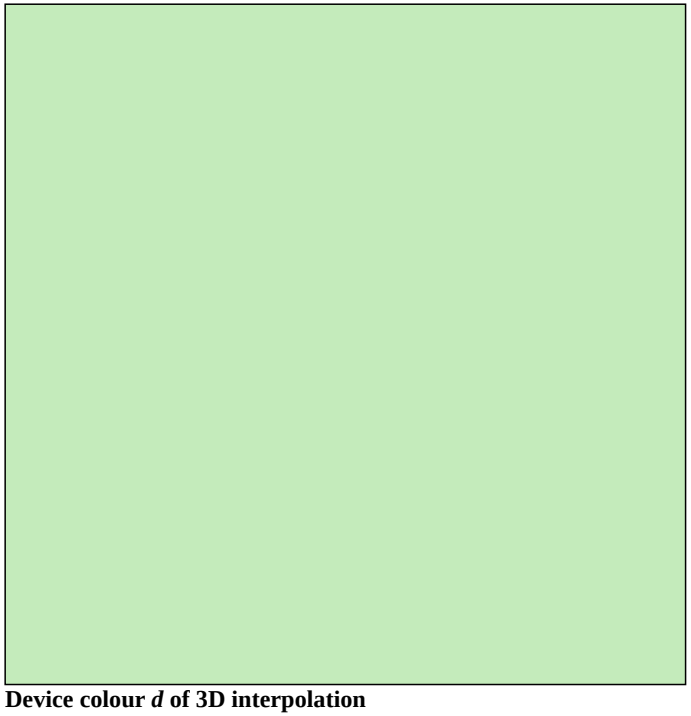
3 Colours no. *j*=919

output of the device colour *d*:

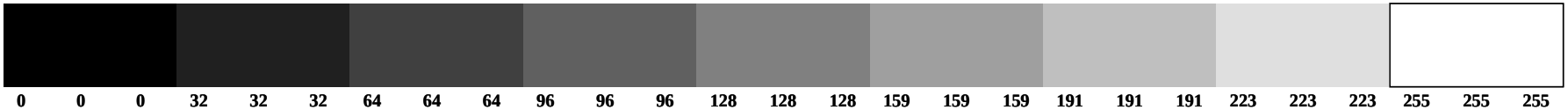
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.875	0.625	0.731	0.875	0.625	0.77	0.921	0.735
$olv^*_{Fa,\ 8bit}$	159	223	159	186	223	159	196	235	187
L^*, C^*_{ab}, h_{ab}	77.3	32.5	140.6	83.3	27.7	132.5	88.1	28.7	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.8	8.8	3D−in:	14.1	14.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
920	0.625	0.75	0.625	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
920	0.625	0.75	0.625	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
74.8	7.9	162.2	−7.5	2.4
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
74.8	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.125	j99g	l77c		0.0	1.0	0.774	0.625	0.75	0.722
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.125	j57g	y100l		0.425	1.0	0.0	0.678	0.75	0.625

3 Colours no. *j*=920

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.75	0.625	0.625	0.75	0.722	0.703	0.807	0.781
$rgb^*_{Fa,\ 8bit}$	159	191	159	159	191	184	179	206	199
L^*, C^*_{ab}, h_{ab}	69.7	14.7	142.6	74.8	7.9	162.2	79.7	7.6	145.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.2	9.2	3D−it:	5.4	5.4

3 Colours no. *j*=920

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.75	0.625	0.678	0.75	0.625	0.718	0.81	0.702
$olv^*_{Fa,\ 8bit}$	159	191	159	173	191	159	183	207	179
L^*, C^*_{ab}, h_{ab}	69.7	14.7	142.6	74.8	13.8	132.5	79.1	13.8	113.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.7	5.7	3D−in:	11.8	11.8

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
921	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
921	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=921

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.4	313.5	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	3.4	3.4	

3 Colours no. *j*=921

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.4	313.5	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
922	0.625	0.5	0.625	330.0	57.9	105.2	328.6	89.9	−54.7	61.6	13.2	328.6	11.2	−6.7	0.375	0.125	b50r	m02o		1.0	0.0	0.975	0.625	0.5	0.622
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
922	0.625	0.5	0.625	330.0	56.9	108.7	326.7	90.8	−59.6	61.4	13.6	326.7	11.3	−7.4	0.375	0.125	b47r	m00o		0.966	0.0	1.0	0.621	0.5	0.625

3 Colours no. *j*=922

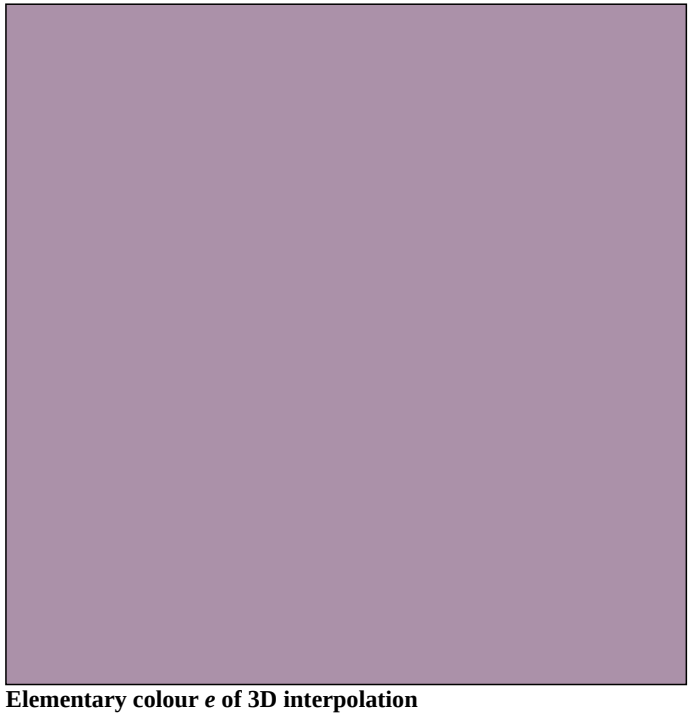
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.5	0.625	0.625	0.5	0.622	0.67	0.568	0.662
$rgb^*_{Fa,\ 8bit}$	159	128	159	159	128	159	171	145	169
L^*, C^*_{ab}, h_{ab}	57.6	16.8	323.3	61.6	13.2	328.6	65.8	14.9	338.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.6	5.6	3D−it:	5.2	5.2	

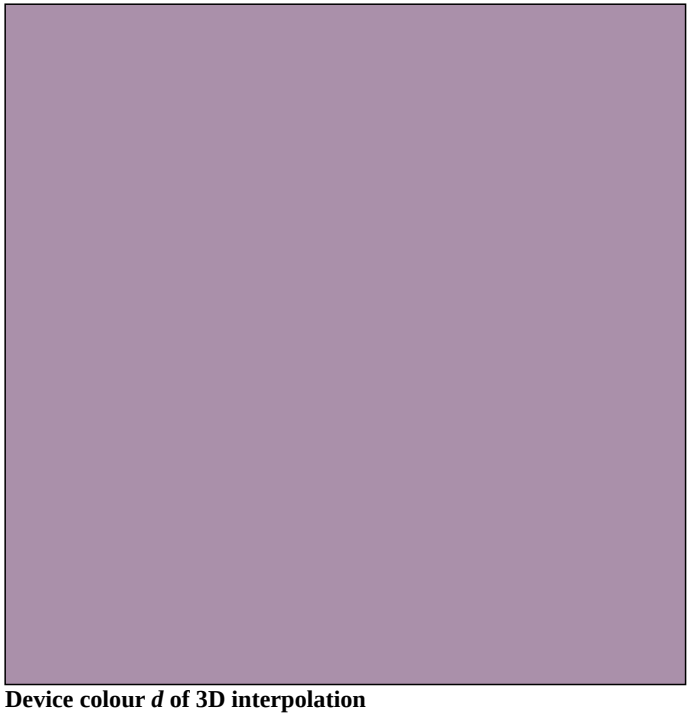
3 Colours no. *j*=922

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.5	0.625	0.621	0.5	0.625	0.667	0.566	0.666
$olv^*_{Fa,\ 8bit}$	159	128	159	158	128	159	170	144	170
L^*, C^*_{ab}, h_{ab}	57.6	16.8	323.3	61.4	13.6	326.7	65.8	15.4	334.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−in:	8.9	8.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
923	0.625	0.375	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	56.9	26.3	328.6	22.5	−13.6	0.375	0.25	b50r	m02o		1.0	0.0	0.976	0.625	0.375	0.619
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
923	0.625	0.375	0.625	330.0	56.9	108.7	326.6	90.8	−59.7	56.6	27.2	326.6	22.7	−14.8	0.375	0.25	b47r	m00o		0.965	0.0	1.0	0.616	0.375	0.625

3 Colours no. *j*=923

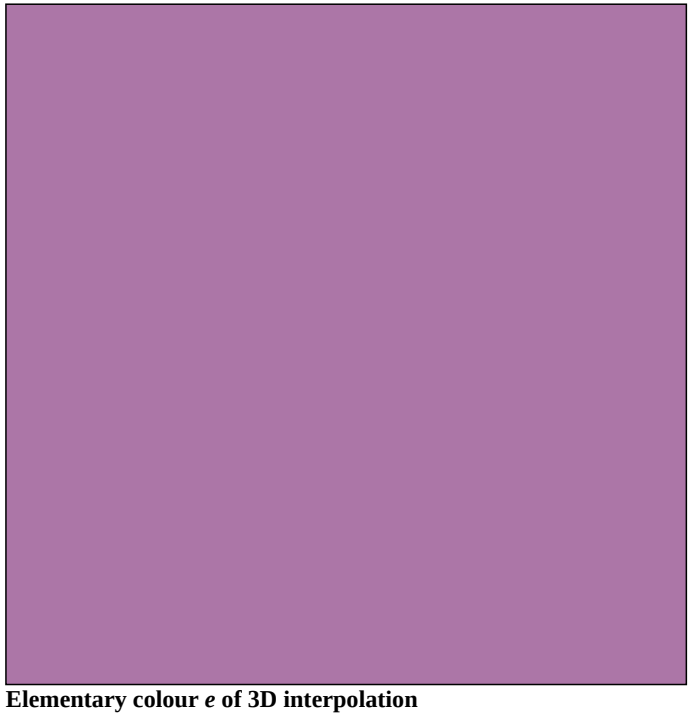
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.375	0.625	0.625	0.375	0.619	0.676	0.462	0.656
$rgb^*_{Fa,\ 8bit}$	159	96	159	159	96	158	172	118	167
L^*, C^*_{ab}, h_{ab}	51.9	32.9	324.7	56.9	26.3	328.6	60.5	28.3	337.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.5	8.5	3D−it:	5.9	5.9

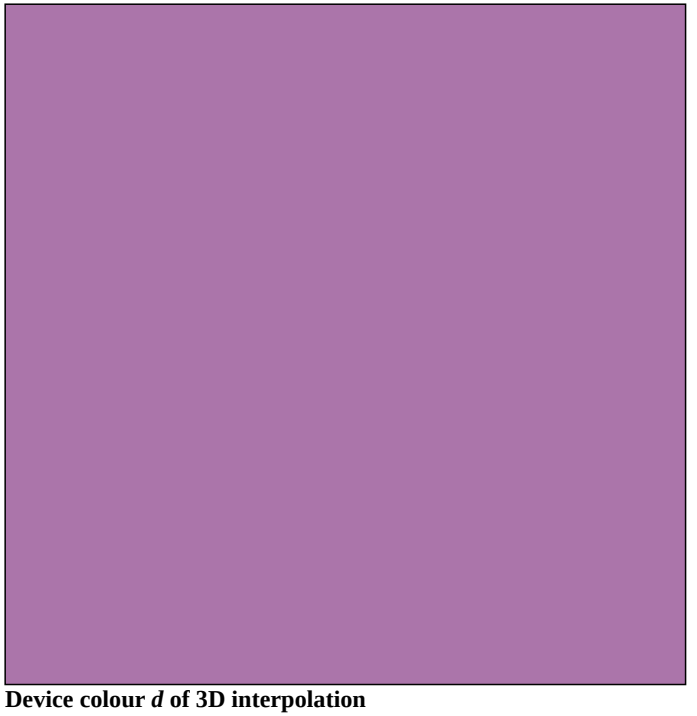
3 Colours no. *j*=923

output of the device colour *d*:

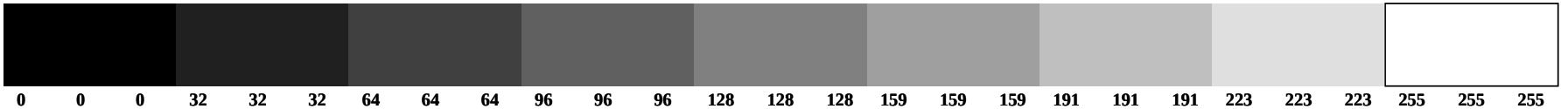
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.375	0.625	0.616	0.375	0.625	0.67	0.458	0.665
$olv^*_{Fa,\ 8bit}$	159	96	159	157	96	159	171	117	170
L^*, C^*_{ab}, h_{ab}	51.9	32.9	324.7	56.6	27.2	326.6	60.5	29.3	333.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.5	7.5	3D−in:	10.4	10.4



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
924	0.625	0.25	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	52.2	39.5	328.6	33.7	−20.5	0.375	0.375	b50r	m02o		1.0	0.0	0.976	0.625	0.25	0.616
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
924	0.625	0.25	0.625	330.0	56.9	108.7	326.6	90.7	−59.7	51.8	40.7	326.6	34.0	−22.3	0.375	0.375	b47r	m00o		0.965	0.0	1.0	0.612	0.25	0.625

3 Colours no. *j*=924

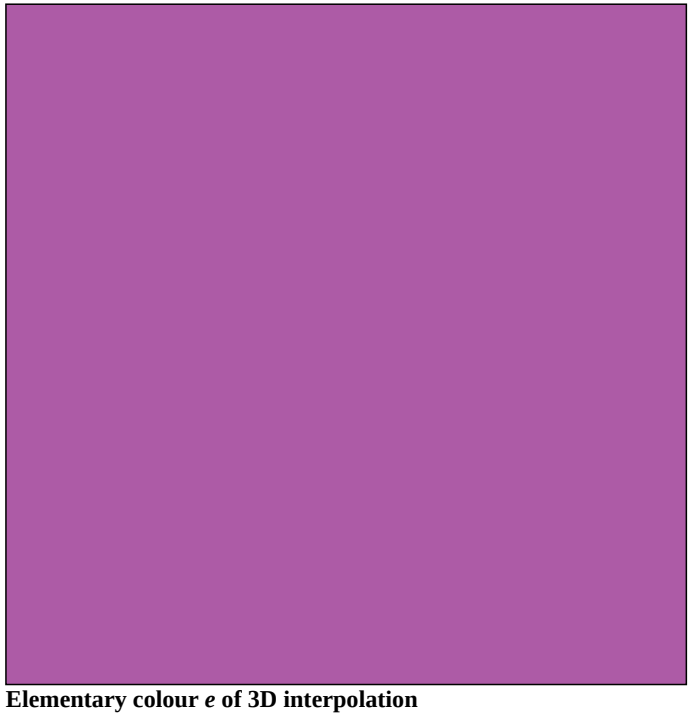
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.25	0.625	0.625	0.25	0.616	0.677	0.355	0.65
$rgb^*_{Fa,\ 8bit}$	159	64	159	159	64	157	173	90	166
L^*, C^*_{ab}, h_{ab}	46.5	49.2	325.8	52.2	39.5	328.6	55.3	42.5	337.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.5	11.5	3D−it:	7.7	7.7	

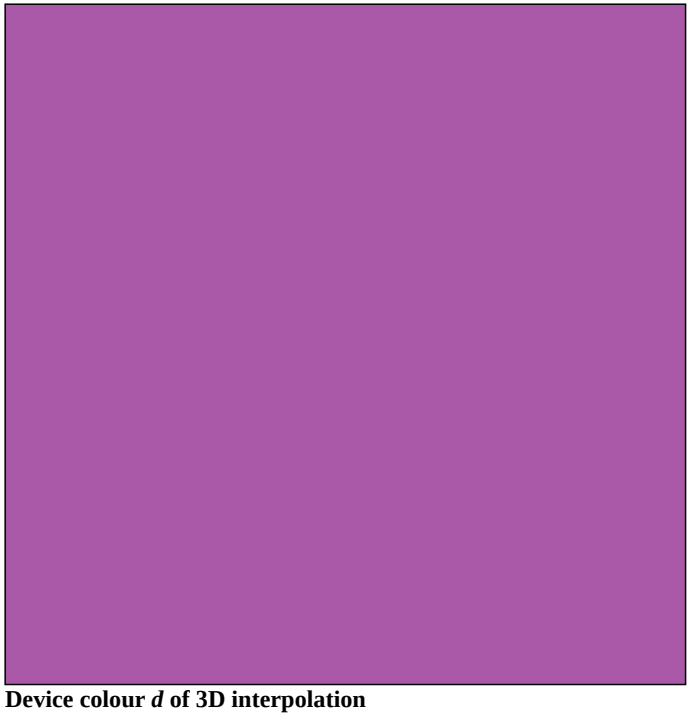
3 Colours no. *j*=924

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.25	0.625	0.612	0.25	0.625	0.666	0.349	0.663
$olv^*_{Fa,\ 8bit}$	159	64	159	156	64	159	170	89	169
L^*, C^*_{ab}, h_{ab}	46.5	49.2	325.8	51.8	40.7	326.6	55.3	44.0	333.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.0	10.0	3D−in:	11.8	11.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
925	0.625	0.125	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	47.5	52.6	328.6	44.9	−27.3	0.375	0.5	b50r	m02o		1.0	0.0	0.976	0.625	0.125	0.613
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
925	0.625	0.125	0.625	330.0	56.9	108.7	326.6	90.7	−59.7	47.0	54.3	326.6	45.4	−29.8	0.375	0.5	b47r	m00o		0.965	0.0	1.0	0.608	0.125	0.625

3 Colours no. *j*=925

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.125	0.625	0.625	0.125	0.613	0.671	0.244	0.643
$rgb^*_{Fa,\ 8bit}$	159	32	159	159	32	156	171	62	164
L^*, C^*_{ab}, h_{ab}	41.4	65.5	326.9	47.5	52.6	328.6	48.6	56.3	330.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.3	14.3	3D−it:	4.4	4.4	

3 Colours no. *j*=925

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.125	0.625	0.608	0.125	0.625	0.658	0.237	0.66
$olv^*_{Fa,\ 8bit}$	159	32	159	155	32	159	168	60	168
L^*, C^*_{ab}, h_{ab}	41.4	65.5	326.9	47.0	54.3	326.6	47.6	57.1	331.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.4	12.4	3D−in:	11.4	11.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
926	0.625	0.0	0.625	330.0	57.9	105.3	328.6	89.9	−54.7	42.8	65.8	328.6	56.2	−34.2	0.375	0.625	b50r	m02o		1.0	0.0	0.976	0.625	0.0	0.61
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
926	0.625	0.0	0.625	330.0	56.9	108.7	326.6	90.7	−59.7	42.2	67.9	326.6	56.7	−37.3	0.375	0.625	b47r	m00o		0.965	0.0	1.0	0.603	0.0	0.625

3 Colours no. *j*=926

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.0	0.625	0.625	0.0	0.61	0.66	0.131	0.636
$rgb^*_{Fa,\ 8bit}$	159	0	159	159	0	155	168	33	162
L^*, C^*_{ab}, h_{ab}	39.3	72.2	327.3	42.8	65.8	328.6	44.3	66.4	330.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.5	7.5	3D−it:	2.5	2.5	

3 Colours no. *j*=926

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.0	0.625	0.603	0.0	0.625	0.643	0.122	0.656
$olv^*_{Fa,\ 8bit}$	159	0	159	154	0	159	164	31	167
L^*, C^*_{ab}, h_{ab}	39.3	72.2	327.3	42.2	67.9	326.6	43.0	68.7	328.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.3	5.3	3D−in:	5.5	5.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
927	0.5	1.0	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	90.6	31.8	162.2	−30.1	9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
927	0.5	1.0	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	90.7	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.5	j99g	l77c		0.0	1.0	0.774	0.5	1.0	0.887
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.5	j57g	y100l		0.425	1.0	0.0	0.713	1.0	0.5

3 Colours no. *j*=927

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	1.0	0.5	0.5	1.0	0.887	0.675	1.0	0.913
$rgb^*_{Fa,\ 8bit}$	128	255	128	128	255	226	172	255	233
L^*, C^*_{ab}, h_{ab}	87.1	69.9	138.5	90.6	31.8	162.2	92.0	29.6	149.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	42.9	42.9	3D−it:	7.4	7.4	

3 Colours no. *j*=927

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	1.0	0.5	0.713	1.0	0.5	0.736	1.0	0.624
$olv^*_{Fa,\ 8bit}$	128	255	128	182	255	128	188	255	159
L^*, C^*_{ab}, h_{ab}	87.1	69.9	138.5	90.7	55.4	132.5	91.8	54.4	129.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.3	16.3	3D−in:	18.8	18.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
928	0.5	0.875	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	82.0	23.8	162.2	−22.6	7.3	0.125	0.375	j99g	l77c		0.0	1.0	0.774	0.5	0.875	0.79
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
928	0.5	0.875	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	82.2	41.5	132.5	−28.0	30.6	0.125	0.375	j57g	y100l		0.425	1.0	0.0	0.659	0.875	0.5

3 Colours no. *j*=928

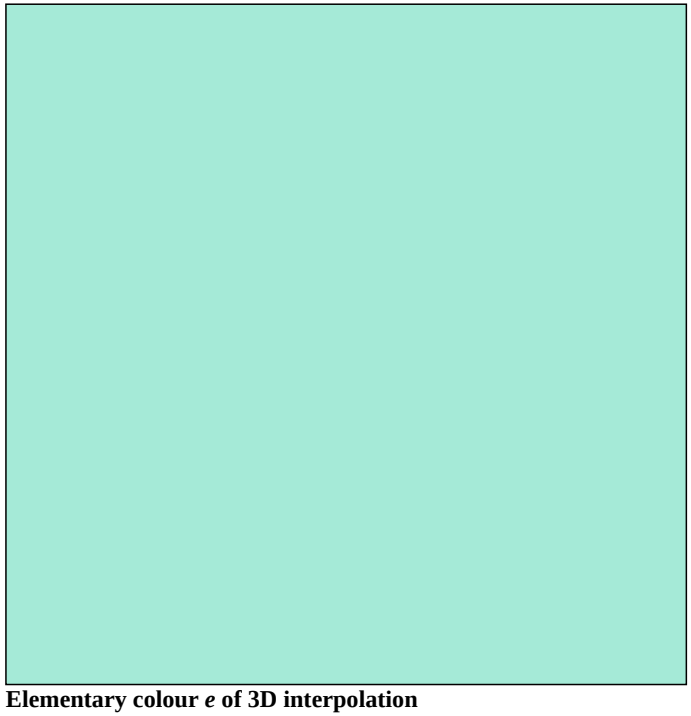
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.875	0.5	0.5	0.875	0.79	0.648	0.918	0.844
$rgb^*_{Fa,\ 8bit}$	128	223	128	128	223	202	165	234	215
L^*, C^*_{ab}, h_{ab}	75.7	46.8	141.1	82.0	23.8	162.2	86.5	23.7	155.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.8	26.8	3D−it:	5.4	5.4	

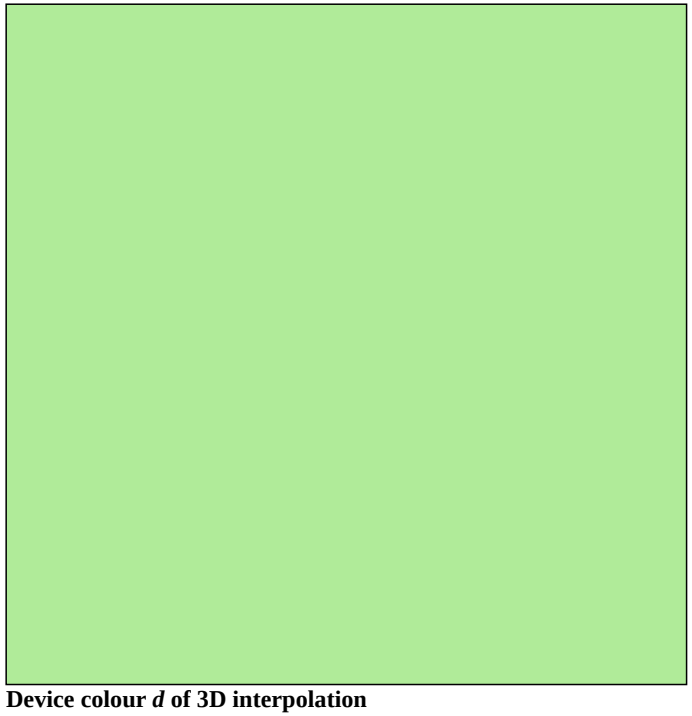
3 Colours no. *j*=928

output of the device colour *d*:

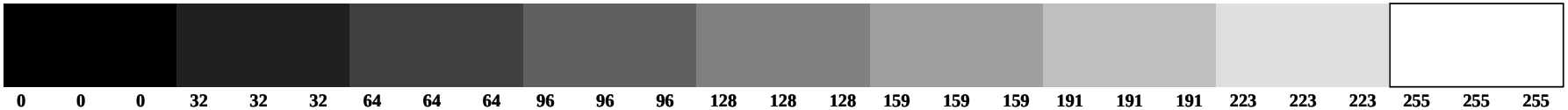
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.875	0.5	0.659	0.875	0.5	0.691	0.923	0.601
$olv^*_{Fa,\ 8bit}$	128	223	128	168	223	128	176	235	153
L^*, C^*_{ab}, h_{ab}	75.7	46.8	141.1	82.2	41.5	132.5	87.5	41.9	131.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−in:	14.9	14.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
929	0.5	0.75	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	73.5	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
929	0.5	0.75	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	73.6	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.25	j99g	l77c		0.0	1.0	0.774	0.5	0.75	0.694
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.25	j57g	y100l		0.425	1.0	0.0	0.606	0.75	0.5

3 Colours no. *j*=929

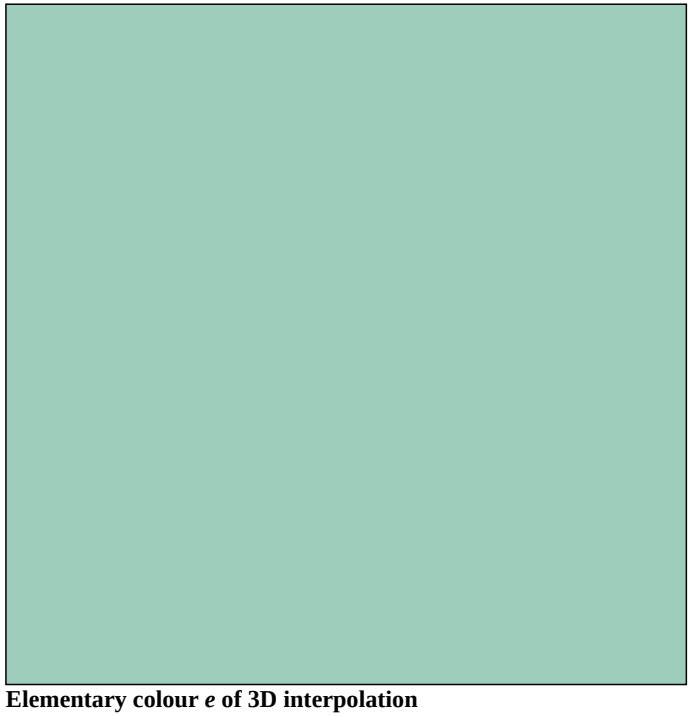
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.75	0.5	0.5	0.75	0.694	0.616	0.809	0.736
$rgb^*_{Fa,\ 8bit}$	128	191	128	128	191	177	157	206	188
L^*, C^*_{ab}, h_{ab}	67.8	29.4	143.7	73.5	15.9	162.2	79.7	12.7	134.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.3	16.3	3D−it:	9.8	9.8	

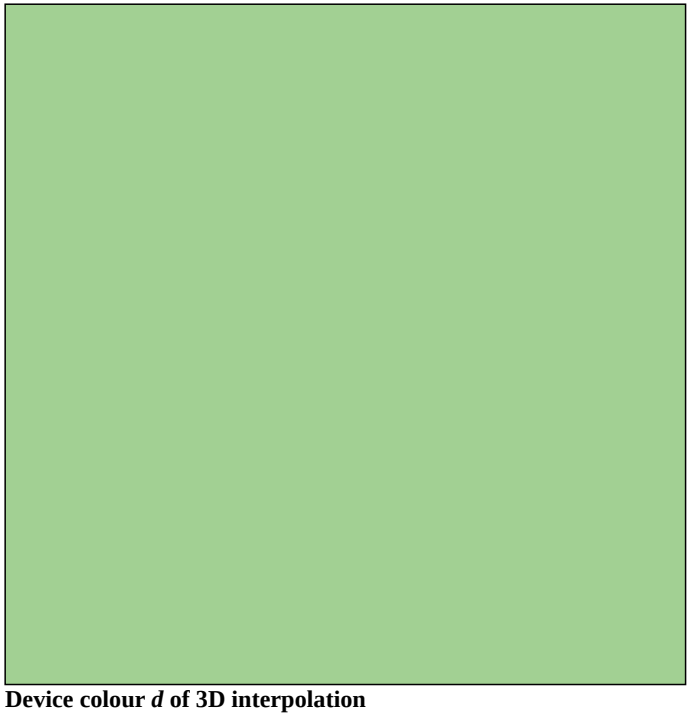
3 Colours no. *j*=929

output of the device colour *d*:

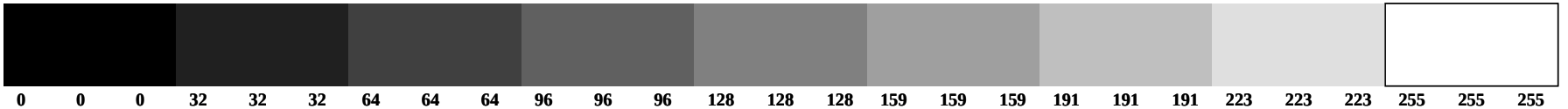
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.75	0.5	0.606	0.75	0.5	0.635	0.816	0.576
$olv^*_{Fa,\ 8bit}$	128	191	128	155	191	128	162	208	147
L^*, C^*_{ab}, h_{ab}	67.8	29.4	143.7	73.6	27.7	132.5	78.6	28.7	125.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.2	8.2	3D−in:	14.3	14.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
930	0.5	0.625	0.5	150.0	85.7	63.5	162.2	−60.4	19.4	65.0	7.9	162.2	−7.5	2.4	0.375	0.125	j99g	l77c		0.0	1.0	0.774	0.5	0.625	0.597
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
930	0.5	0.625	0.5	150.0	86.0	110.8	132.5	−74.7	81.7	65.1	13.8	132.5	−9.3	10.2	0.375	0.125	j57g	y100l		0.425	1.0	0.0	0.553	0.625	0.5

3 Colours no. *j*=930

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.625	0.5	0.5	0.625	0.597	0.575	0.673	0.618
$rgb^*_{Fa,\ 8bit}$	128	159	128	128	159	152	147	172	158
L^*, C^*_{ab}, h_{ab}	61.0	13.6	148.6	65.0	7.9	162.2	70.0	9.9	138.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.3	7.3	3D−it:	6.5	6.5

3 Colours no. *j*=930

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.625	0.5	0.553	0.625	0.5	0.59	0.676	0.539
$olv^*_{Fa,\ 8bit}$	128	159	128	141	159	128	150	172	137
L^*, C^*_{ab}, h_{ab}	61.0	13.6	148.6	65.1	13.8	132.5	69.6	13.2	121.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.6	5.6	3D−in:	10.7	10.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
931	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
931	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=931

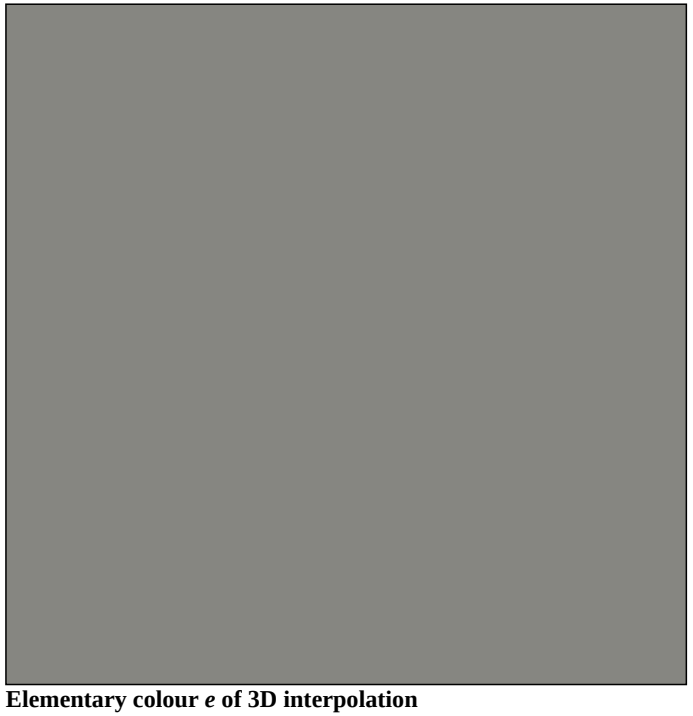
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	284.9	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−it:	2.7	2.7	

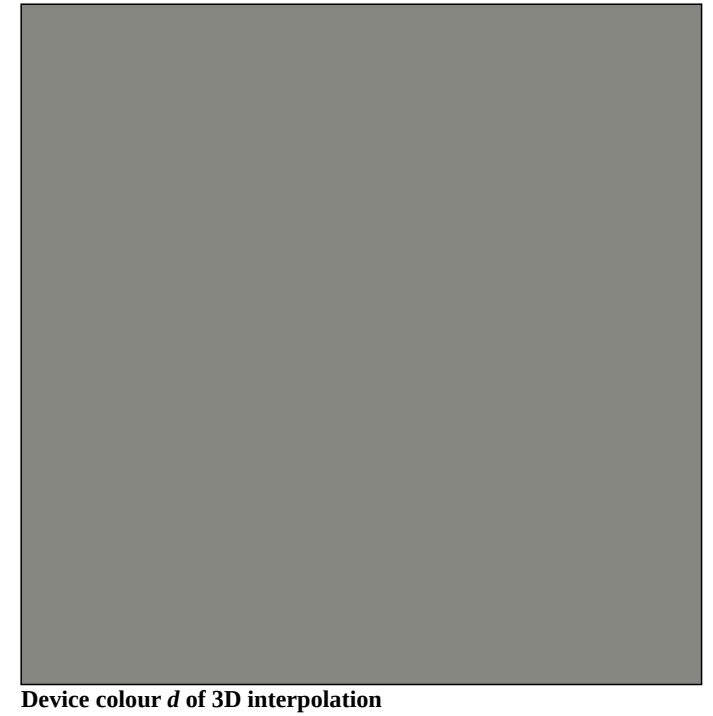
3 Colours no. *j*=931

output of the device colour *d*:

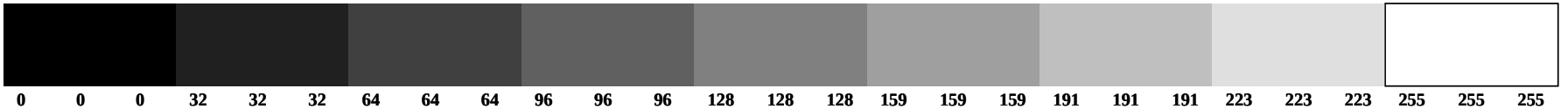
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	284.9	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−in:	5.5	5.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
932	0.5	0.375	0.5	330.0	57.9	105.2	328.6	89.9	−54.7	51.8	13.2	328.6	11.2	−6.7	0.5	0.125	b50r	m02o		1.0	0.0	0.975	0.5	0.375	0.497
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
932	0.5	0.375	0.5	330.0	56.9	108.7	326.7	90.8	−59.6	51.7	13.6	326.7	11.3	−7.4	0.5	0.125	b47r	m00o		0.966	0.0	1.0	0.496	0.375	0.5

3 Colours no. *j*=932

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.375	0.5	0.5	0.375	0.497	0.536	0.427	0.502
$rgb^*_{Fa,\ 8bit}$	128	96	128	128	96	127	137	109	128
L^*, C^*_{ab}, h_{ab}	48.8	18.9	319.9	51.8	13.2	328.6	57.4	13.9	343.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.9	6.9	3D−it:	6.7	6.7	

3 Colours no. *j*=932

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.375	0.5	0.496	0.375	0.5	0.533	0.425	0.506
$olv^*_{Fa,\ 8bit}$	128	96	128	126	96	128	136	108	129
L^*, C^*_{ab}, h_{ab}	48.8	18.9	319.9	51.7	13.6	326.7	57.4	14.3	339.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−in:	11.2	11.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
933	0.5	0.25	0.5	330.0	57.9	105.3	328.6	89.9	−54.7	47.2	26.3	328.6	22.5	−13.6	0.5	0.25	b50r	m02o		1.0	0.0	0.976	0.5	0.25	0.494
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
933	0.5	0.25	0.5	330.0	56.9	108.7	326.6	90.8	−59.7	46.9	27.2	326.6	22.7	−14.8	0.5	0.25	b47r	m00o		0.965	0.0	1.0	0.491	0.25	0.5

3 Colours no. *j*=933

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.25	0.5	0.5	0.25	0.494	0.541	0.327	0.497
$rgb^*_{Fa,\ 8bit}$	128	64	128	128	64	126	138	83	127
L^*, C^*_{ab}, h_{ab}	42.7	36.1	323.2	47.2	26.3	328.6	51.7	28.1	342.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.2	11.2	3D−it:	8.2	8.2	

3 Colours no. *j*=933

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.25	0.5	0.491	0.25	0.5	0.534	0.324	0.505
$olv^*_{Fa,\ 8bit}$	128	64	128	125	64	128	136	83	129
L^*, C^*_{ab}, h_{ab}	42.7	36.1	323.2	46.9	27.2	326.6	51.7	29.0	337.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	14.1	14.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
934	0.5	0.125	0.5	330.0	57.9	105.3	328.6	89.9	−54.7	42.5	39.5	328.6	33.7	−20.5	0.5	0.375	b50r	m02o		1.0	0.0	0.976	0.5	0.125	0.491
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
934	0.5	0.125	0.5	330.0	56.9	108.7	326.6	90.7	−59.7	42.1	40.7	326.6	34.0	−22.3	0.5	0.375	b47r	m00o		0.965	0.0	1.0	0.487	0.125	0.5

3 Colours no. *j*=934

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.125	0.5	0.5	0.125	0.491	0.539	0.228	0.491
$rgb^*_{Fa,\ 8bit}$	128	32	128	128	32	125	137	58	125
L^*, C^*_{ab}, h_{ab}	36.9	54.0	325.1	42.5	39.5	328.6	45.6	40.2	336.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.8	15.8	3D−it:	6.1	6.1	

3 Colours no. *j*=934

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.125	0.5	0.487	0.125	0.5	0.529	0.223	0.503
$olv^*_{Fa,\ 8bit}$	128	32	128	124	32	128	135	57	128
L^*, C^*_{ab}, h_{ab}	36.9	54.0	325.1	42.1	40.7	326.6	42.7	44.7	331.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.3	14.3	3D−in:	12.1	12.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
935	0.5	0.0	0.5	330.0	57.9	105.3	328.6	89.9	−54.7	37.8	52.6	328.6	44.9	−27.3	0.5	0.5	b50r	m02o		1.0	0.0	0.976	0.5	0.0	0.488
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
935	0.5	0.0	0.5	330.0	56.9	108.7	326.6	90.7	−59.7	37.3	54.3	326.6	45.4	−29.8	0.5	0.5	b47r	m00o		0.965	0.0	1.0	0.483	0.0	0.5

3 Colours no. *j*=935

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.0	0.5	0.5	0.0	0.488	0.531	0.129	0.486
$rgb^*_{Fa,\ 8bit}$	128	0	128	128	0	124	135	33	124
L^*, C^*_{ab}, h_{ab}	34.3	62.3	325.9	37.8	52.6	328.6	38.7	51.5	332.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.6	10.6	3D−it:	3.5	3.5	

3 Colours no. *j*=935

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.0	0.5	0.483	0.0	0.5	0.518	0.121	0.5
$olv^*_{Fa,\ 8bit}$	128	0	128	123	0	128	132	31	128
L^*, C^*_{ab}, h_{ab}	34.3	62.3	325.9	37.3	54.3	326.6	37.6	54.7	327.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−in:	8.5	8.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
936	0.375	1.0	0.375	150.0	85.7	63.5	162.2	−60.4	19.4	89.3	39.7	162.2	−37.7	12.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
936	0.375	1.0	0.375	150.0	86.0	110.8	132.5	−74.7	81.7	89.5	69.2	132.5	−46.7	51.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.625	j99g	l77c		0.0	1.0	0.774	0.375	1.0	0.859
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.625	j57g	y100l		0.425	1.0	0.0	0.641	1.0	0.375

3 Colours no. *j*=936

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	1.0	0.375	0.375	1.0	0.859	0.562	1.0	0.891
$rgb^*_{Fa,\ 8bit}$	96	255	96	96	255	219	143	255	227
L^*, C^*_{ab}, h_{ab}	86.1	83.6	137.5	89.3	39.7	162.2	89.6	38.2	156.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	50.4	50.4	3D−it:	4.0	4.0	

3 Colours no. *j*=936

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	1.0	0.375	0.641	1.0	0.375	0.624	1.0	0.496
$olv^*_{Fa,\ 8bit}$	96	255	96	163	255	96	159	255	126
L^*, C^*_{ab}, h_{ab}	86.1	83.6	137.5	89.5	69.2	132.5	91.0	70.6	130.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.2	16.2	3D−in:	16.9	16.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
937	0.375	0.875	0.375	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
937	0.375	0.875	0.375	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
80.8	31.8	162.2	−30.1	9.7
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
81.0	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.5	j99g	l77c		0.0	1.0	0.774	0.375	0.875	0.762
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.5	j57g	y100l		0.425	1.0	0.0	0.588	0.875	0.375

3 Colours no. *j*=937

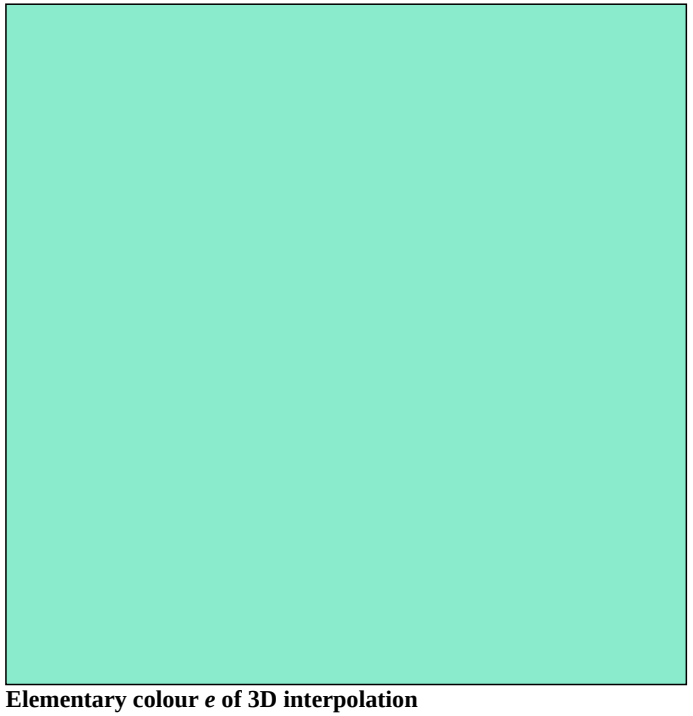
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.875	0.375	0.375	0.875	0.762	0.542	0.917	0.8
$rgb^*_{Fa,\ 8bit}$	96	223	96	96	223	194	138	234	204
L^*, C^*_{ab}, h_{ab}	74.3	61.6	140.0	80.8	31.8	162.2	85.3	30.9	158.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	34.9	34.9	3D−it:	5.1	5.1	

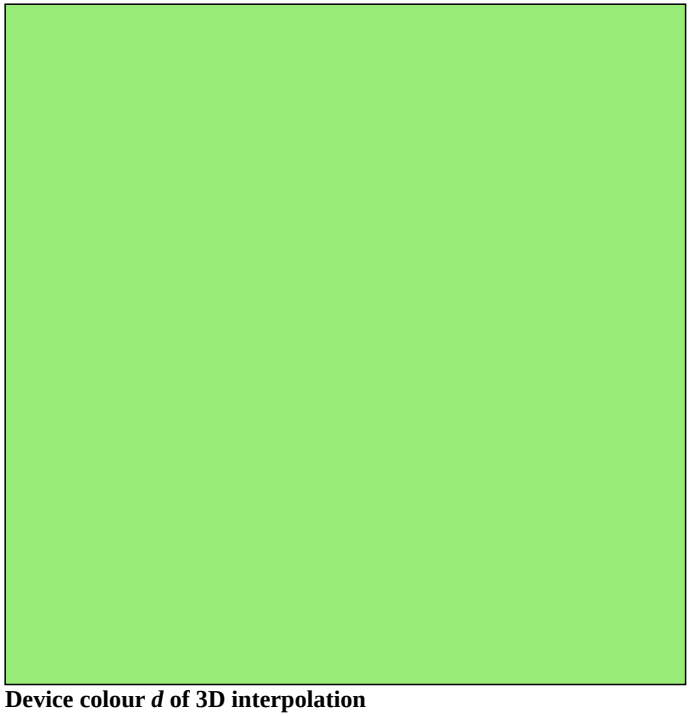
3 Colours no. *j*=937

output of the device colour *d*:

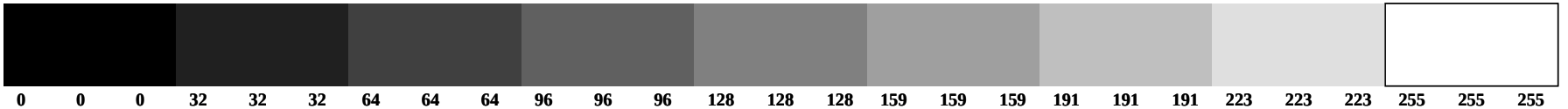
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.875	0.375	0.588	0.875	0.375	0.602	0.924	0.47
$olv^*_{Fa,\ 8bit}$	96	223	96	150	223	96	154	236	120
L^*, C^*_{ab}, h_{ab}	74.3	61.6	140.0	81.0	55.4	132.5	85.4	54.0	126.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.9	11.9	3D−in:	19.3	19.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
938	0.375	0.75	0.375	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
938	0.375	0.75	0.375	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
72.3	23.8	162.2	−22.6	7.3
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
72.4	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.25	0.375	j99g	l77c		0.0	1.0	0.774	0.375	0.75	0.665
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.25	0.375	j57g	y100l		0.425	1.0	0.0	0.534	0.75	0.375

3 Colours no. *j*=938

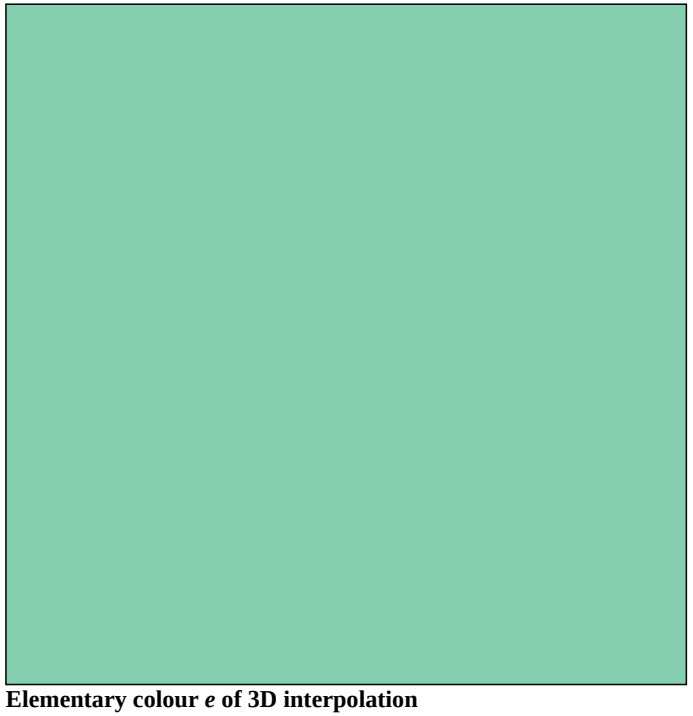
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.75	0.375	0.375	0.75	0.665	0.521	0.809	0.687
$rgb^*_{Fa,\ 8bit}$	96	191	96	96	191	170	133	206	175
L^*, C^*_{ab}, h_{ab}	66.1	45.1	142.5	72.3	23.8	162.2	76.5	21.3	158.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	24.9	24.9	3D−it:	5.1	5.1	

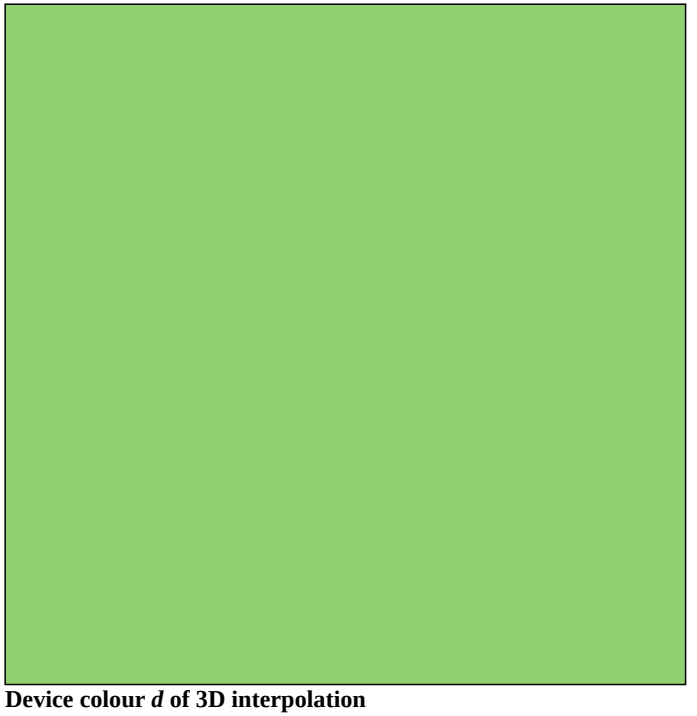
3 Colours no. *j*=938

output of the device colour *d*:

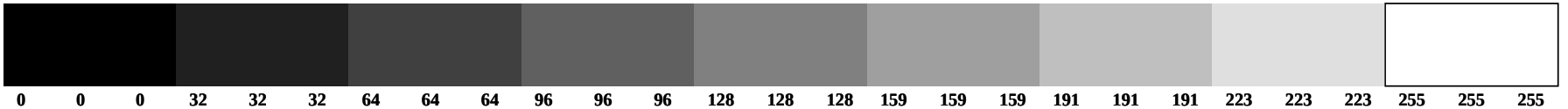
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.75	0.375	0.534	0.75	0.375	0.563	0.815	0.444
$olv^*_{Fa,\ 8bit}$	96	191	96	136	191	96	144	208	113
L^*, C^*_{ab}, h_{ab}	66.1	45.1	142.5	72.4	41.5	132.5	76.9	41.9	131.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	14.1	14.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
939	0.375	0.625	0.375	150.0	85.7	63.5	162.2	−60.4	19.4	63.8	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
939	0.375	0.625	0.375	150.0	86.0	110.8	132.5	−74.7	81.7	63.9	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.25	j99g	l77c		0.0	1.0	0.774	0.375	0.625	0.569
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.25	j57g	y100l		0.425	1.0	0.0	0.481	0.625	0.375

3 Colours no. *j*=939

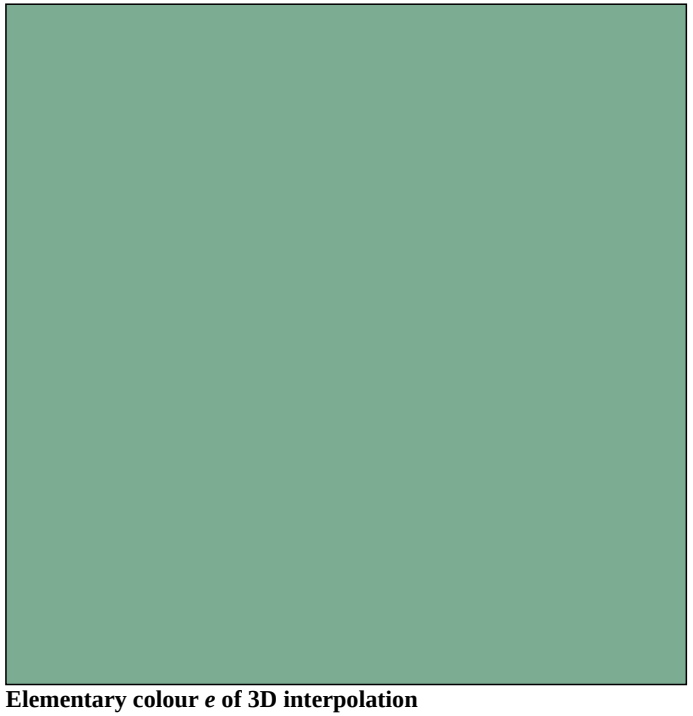
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.625	0.375	0.375	0.625	0.569	0.487	0.675	0.572
$rgb^*_{Fa,\ 8bit}$	96	159	96	96	159	145	124	172	146
L^*, C^*_{ab}, h_{ab}	59.1	29.8	145.2	63.8	15.9	162.2	68.1	12.4	147.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	16.0	16.0	3D−it:	6.6	6.6	

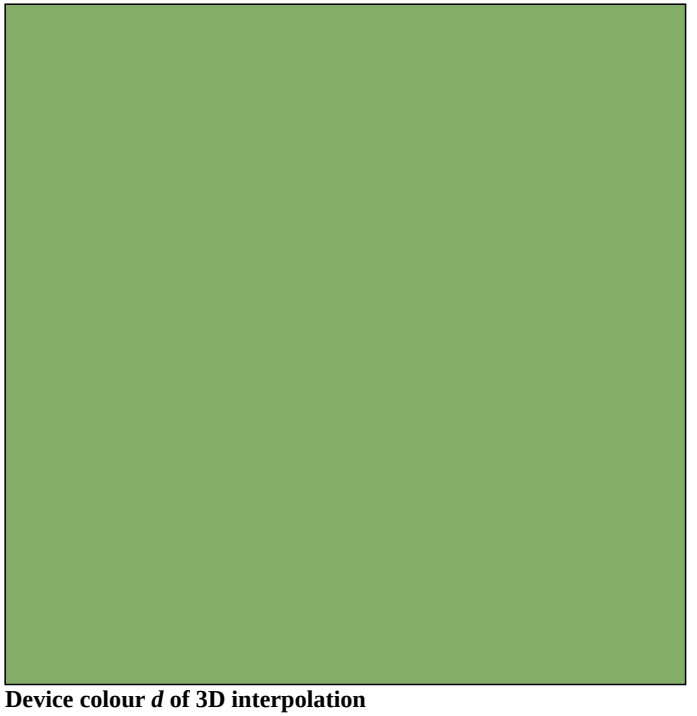
3 Colours no. *j*=939

output of the device colour *d*:

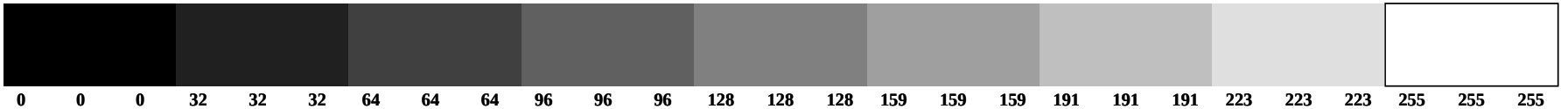
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.625	0.375	0.481	0.625	0.375	0.516	0.679	0.417
$olv^*_{Fa,\ 8bit}$	96	159	96	123	159	96	132	173	106
L^*, C^*_{ab}, h_{ab}	59.1	29.8	145.2	63.9	27.7	132.5	67.2	26.5	126.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.3	8.3	3D−in:	12.6	12.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
940	0.375	0.5	0.375	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
940	0.375	0.5	0.375	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
55.3	7.9	162.2	−7.5	2.4
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
55.4	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.125	j99g	l77c		0.0	1.0	0.774	0.375	0.5	0.472
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.125	j57g	y100l		0.425	1.0	0.0	0.428	0.5	0.375

3 Colours no. *j*=940

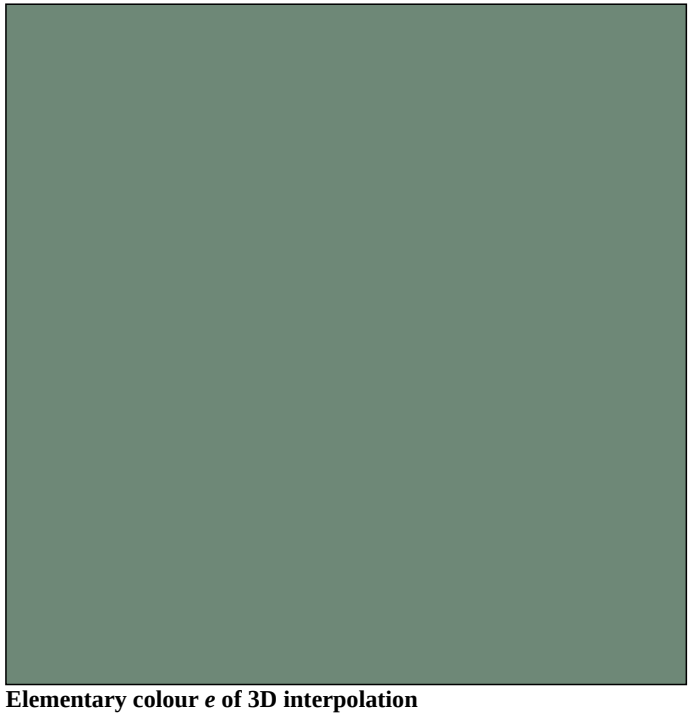
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.5	0.375	0.375	0.5	0.472	0.432	0.532	0.467
$rgb^*_{Fa,\ 8bit}$	96	128	96	96	128	120	110	136	119
L^*, C^*_{ab}, h_{ab}	52.6	14.7	151.2	55.3	7.9	162.2	62.7	10.7	106.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.6	7.6	3D−it:	11.7	11.7	

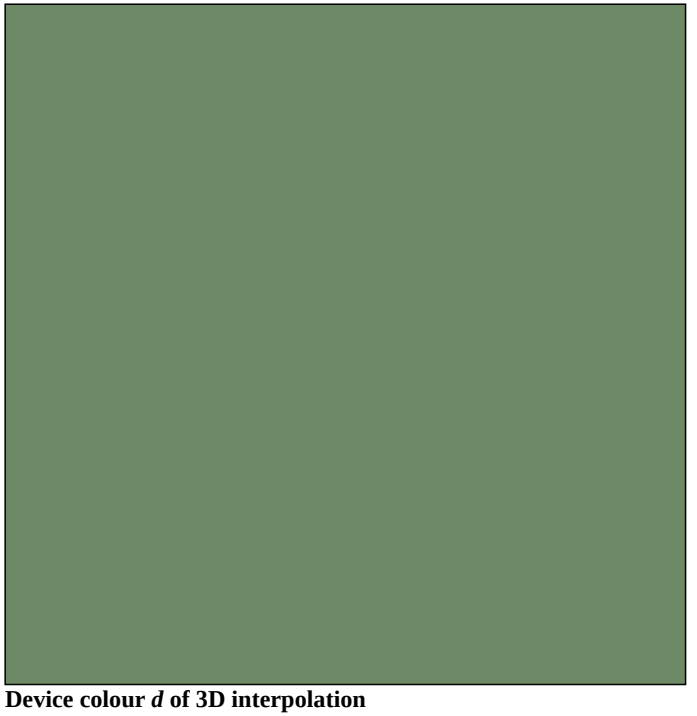
3 Colours no. *j*=940

output of the device colour *d*:

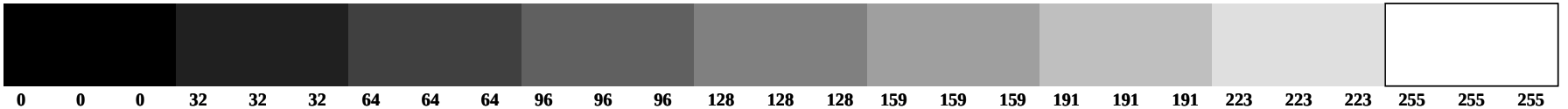
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.5	0.375	0.428	0.5	0.375	0.426	0.539	0.4
$olv^*_{Fa,\ 8bit}$	96	128	96	109	128	96	109	138	102
L^*, C^*_{ab}, h_{ab}	52.6	14.7	151.2	55.4	13.8	132.5	58.1	11.5	114.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.5	5.5	3D−in:	10.3	10.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
941	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
941	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=941

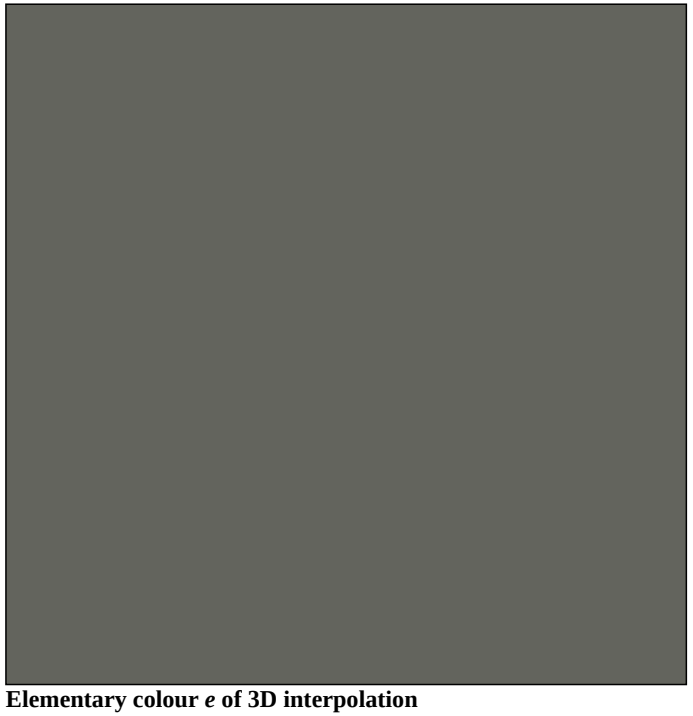
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.4	278.5	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.2	3.2	

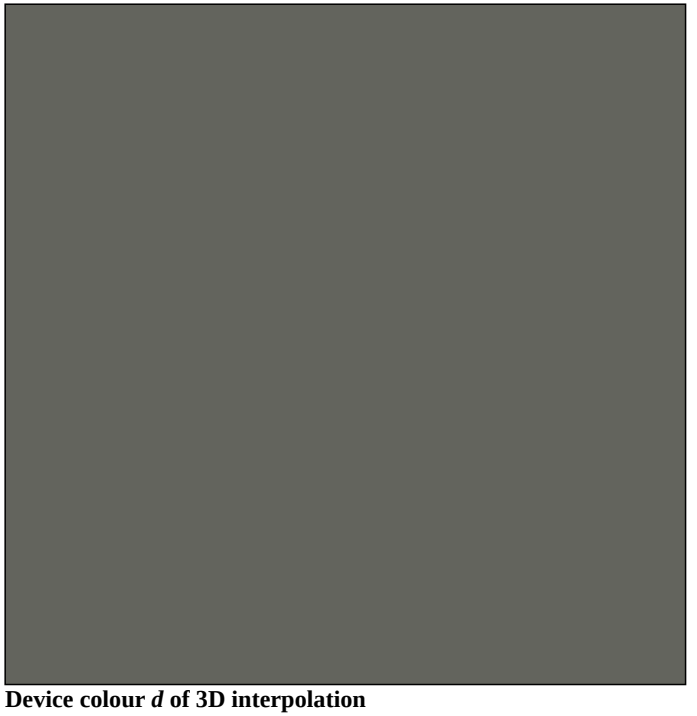
3 Colours no. *j*=941

output of the device colour *d*:

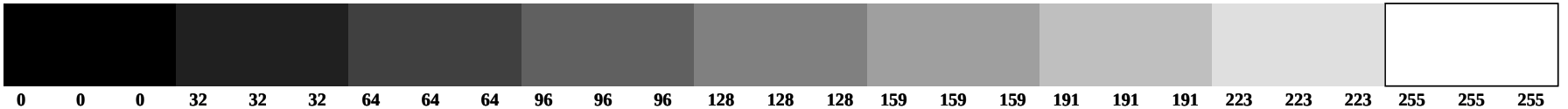
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.4	278.5	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.7	6.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
942	0.375	0.25	0.375	330.0	57.9	105.2	328.6	89.9	−54.7	42.1	13.2	328.6	11.2	−6.7	0.625	0.125	b50r	m02o		1.0	0.0	0.975	0.375	0.25	0.372
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
942	0.375	0.25	0.375	330.0	56.9	108.7	326.7	90.8	−59.6	42.0	13.6	326.7	11.3	−7.4	0.625	0.125	b47r	m00o		0.966	0.0	1.0	0.371	0.25	0.375

3 Colours no. *j*=942

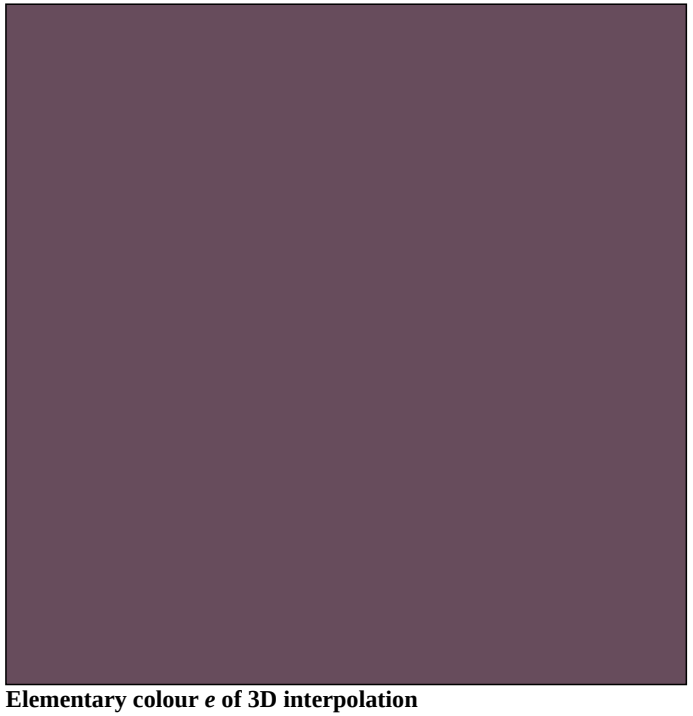
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.25	0.375	0.375	0.25	0.372	0.404	0.297	0.359
$rgb^*_{Fa,\ 8bit}$	96	64	96	96	64	95	103	76	91
L^*, C^*_{ab}, h_{ab}	39.2	20.9	318.6	42.1	13.2	328.6	48.7	14.4	352.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−it:	8.8	8.8	

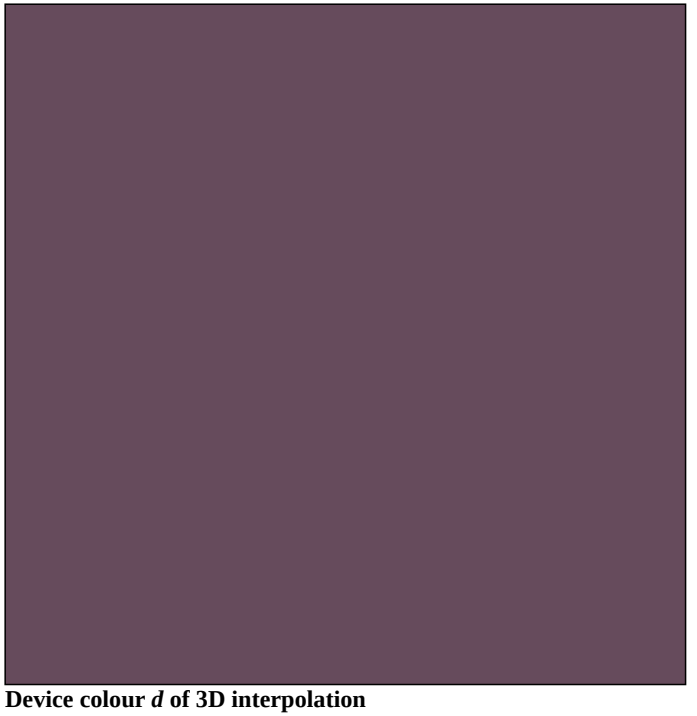
3 Colours no. *j*=942

output of the device colour *d*:

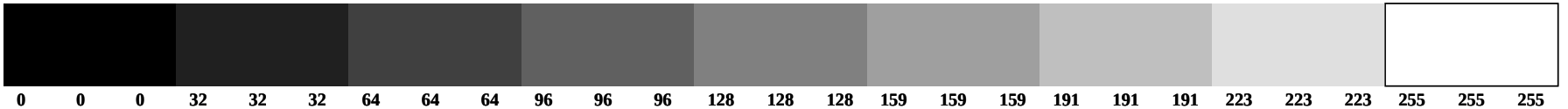
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.25	0.375	0.371	0.25	0.375	0.401	0.295	0.362
$olv^*_{Fa,\ 8bit}$	96	64	96	95	64	96	102	75	92
L^*, C^*_{ab}, h_{ab}	39.2	20.9	318.6	42.0	13.6	326.7	48.7	14.6	347.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.1	8.1	3D−in:	14.4	14.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
943	0.375	0.125	0.375	330.0	57.9	105.3	328.6	89.9	−54.7	37.4	26.3	328.6	22.5	−13.6	0.625	0.25	b50r	m02o		1.0	0.0	0.976	0.375	0.125	0.369
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
943	0.375	0.125	0.375	330.0	56.9	108.7	326.6	90.8	−59.7	37.2	27.2	326.6	22.7	−14.8	0.625	0.25	b47r	m00o		0.965	0.0	1.0	0.366	0.125	0.375

3 Colours no. *j*=943

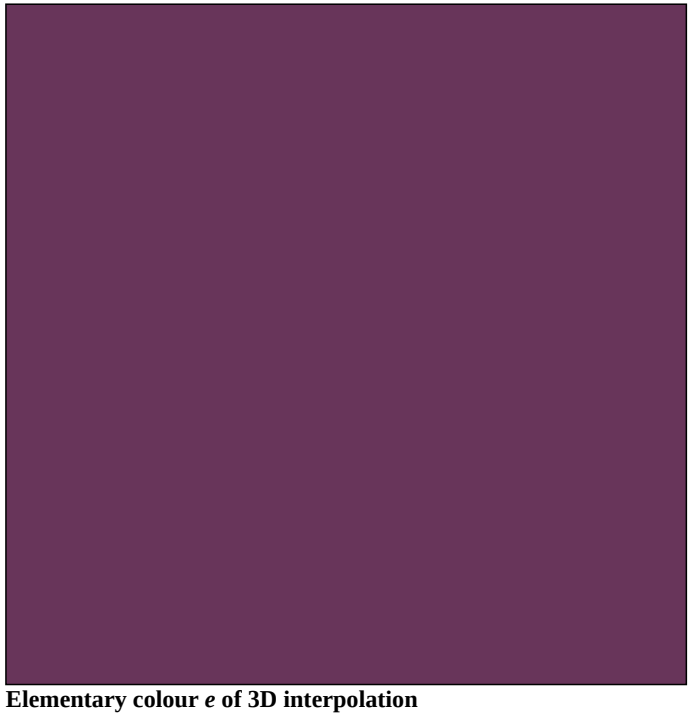
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.125	0.375	0.375	0.125	0.369	0.406	0.207	0.354
$rgb^*_{Fa,\ 8bit}$	96	32	96	96	32	94	104	53	90
L^*, C^*_{ab}, h_{ab}	32.5	40.6	323.1	37.4	26.3	328.6	42.0	25.8	339.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	15.4	15.4	3D−it:	6.8	6.8	

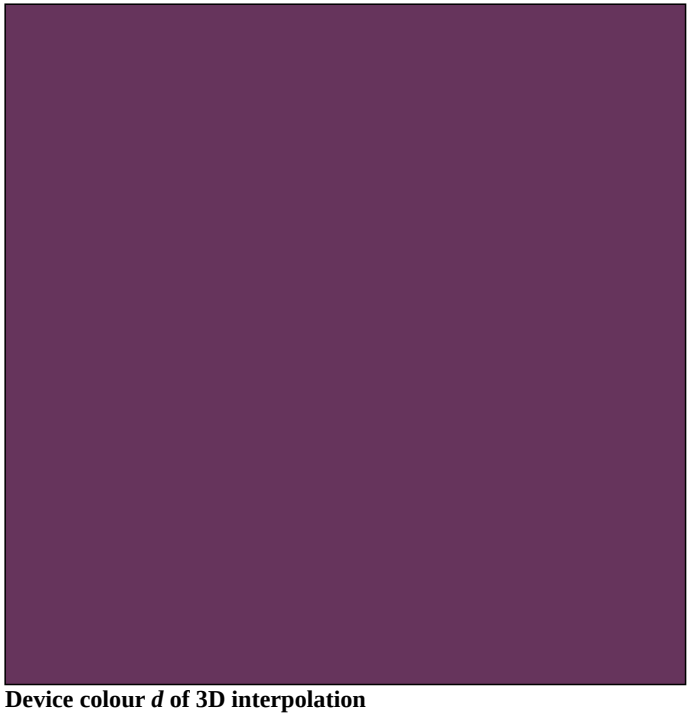
3 Colours no. *j*=943

output of the device colour *d*:

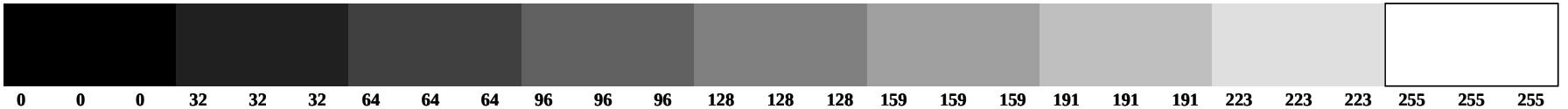
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.125	0.375	0.366	0.125	0.375	0.401	0.204	0.361
$olv^*_{Fa,\ 8bit}$	96	32	96	93	32	96	102	52	92
L^*, C^*_{ab}, h_{ab}	32.5	40.6	323.1	37.2	27.2	326.6	42.7	30.1	343.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.4	14.4	3D−in:	19.3	19.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
944	0.375	0.0	0.375	330.0	57.9	105.3	328.6	89.9	−54.7	32.7	39.5	328.6	33.7	−20.5	0.625	0.375	b50r	m02o		1.0	0.0	0.976	0.375	0.0	0.366
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
944	0.375	0.0	0.375	330.0	56.9	108.7	326.6	90.7	−59.7	32.4	40.7	326.6	34.0	−22.3	0.625	0.375	b47r	m00o		0.965	0.0	1.0	0.362	0.0	0.375

3 Colours no. *j*=944

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.0	0.375	0.375	0.0	0.366	0.402	0.114	0.35
$rgb^*_{Fa,\ 8bit}$	96	0	96	96	0	93	103	29	89
L^*, C^*_{ab}, h_{ab}	29.5	50.3	324.4	32.7	39.5	328.6	33.0	38.9	334.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.7	11.7	3D−it:	3.9	3.9	

3 Colours no. *j*=944

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.0	0.375	0.362	0.0	0.375	0.393	0.106	0.361
$olv^*_{Fa,\ 8bit}$	96	0	96	92	0	96	100	27	92
L^*, C^*_{ab}, h_{ab}	29.5	50.3	324.4	32.4	40.7	326.6	32.5	41.2	330.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	10.5	10.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
945	0.25	1.0	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	88.1	47.6	162.2	−45.3	14.5
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
945	0.25	1.0	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	88.3	83.1	132.5	−56.0	61.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.75	j99g	l77c		0.0	1.0	0.774	0.25	1.0	0.831
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.75	j57g	y100l		0.425	1.0	0.0	0.569	1.0	0.25

3 Colours no. *j*=945

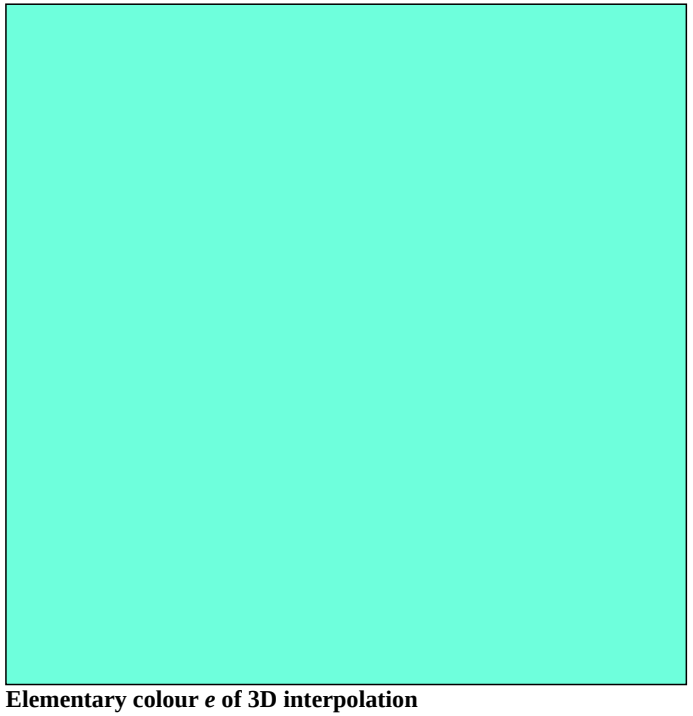
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	1.0	0.25	0.25	1.0	0.831	0.432	1.0	0.863
$rgb^*_{Fa,\ 8bit}$	64	255	64	64	255	212	110	255	220
L^*, C^*_{ab}, h_{ab}	85.2	96.9	136.0	88.1	47.6	162.2	88.9	47.3	159.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	58.3	58.3	3D−it:	2.8	2.8

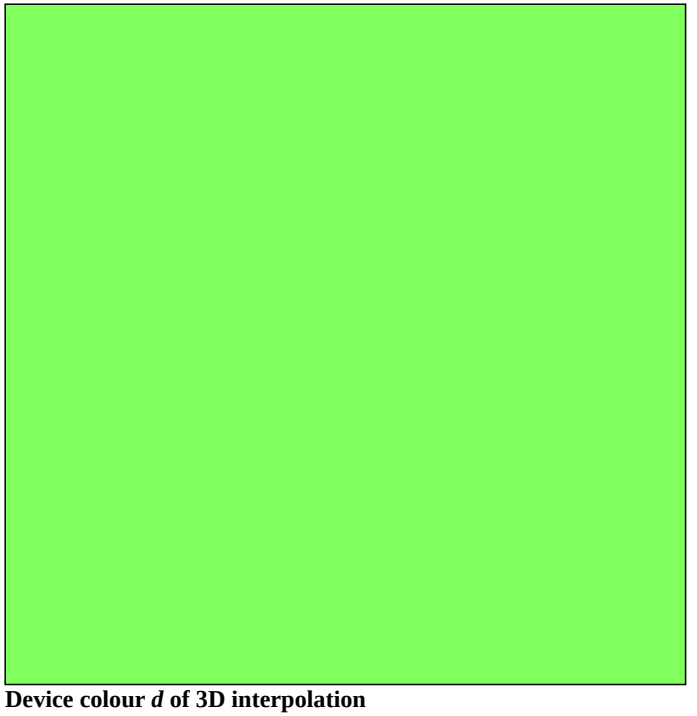
3 Colours no. *j*=945

output of the device colour *d*:

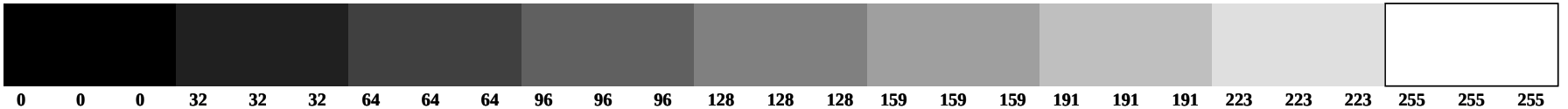
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	1.0	0.25	0.569	1.0	0.25	0.502	1.0	0.366
$olv^*_{Fa,\ 8bit}$	64	255	64	145	255	64	128	255	93
L^*, C^*_{ab}, h_{ab}	85.2	96.9	136.0	88.3	83.1	132.5	89.8	85.0	130.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	15.2	15.2	3D−in:	15.2	15.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
946	0.25	0.875	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	79.6	39.7	162.2	−37.7	12.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
946	0.25	0.875	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	79.8	69.2	132.5	−46.7	51.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.625	j99g	l77c		0.0	1.0	0.774	0.25	0.875	0.734
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.625	j57g	y100l		0.425	1.0	0.0	0.516	0.875	0.25

3 Colours no. *j*=946

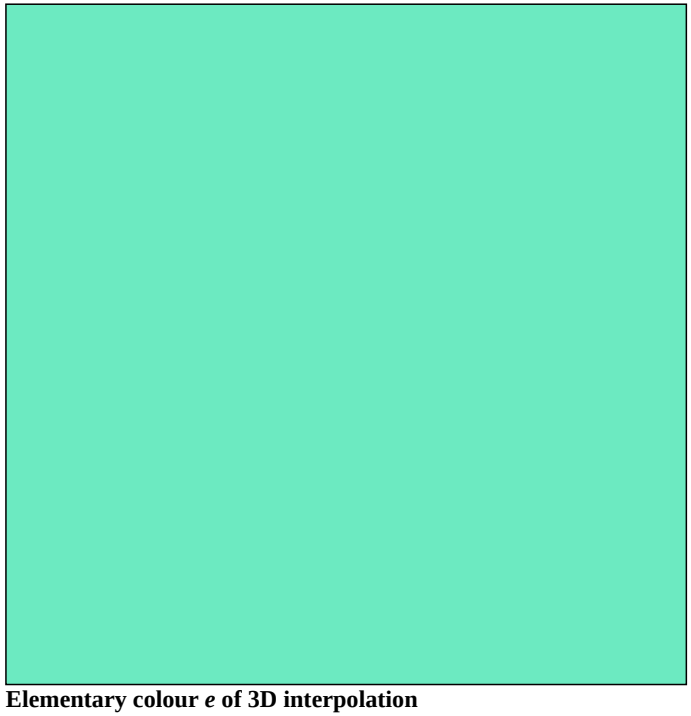
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.875	0.25	0.25	0.875	0.734	0.425	0.916	0.755
$rgb^*_{Fa,\ 8bit}$	64	223	64	64	223	187	108	234	193
L^*, C^*_{ab}, h_{ab}	73.2	76.3	138.2	79.6	39.7	162.2	83.3	37.8	150.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	43.7	43.7	3D−it:	9.1	9.1

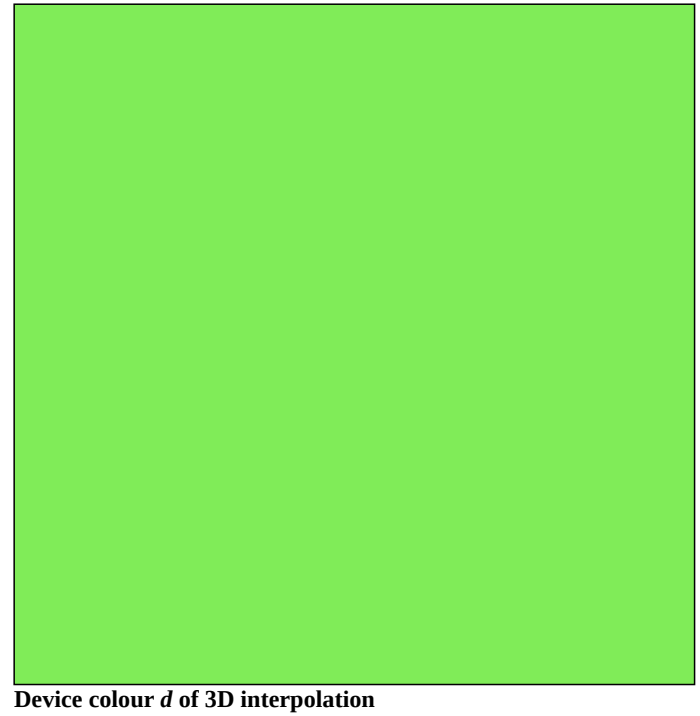
3 Colours no. *j*=946

output of the device colour *d*:

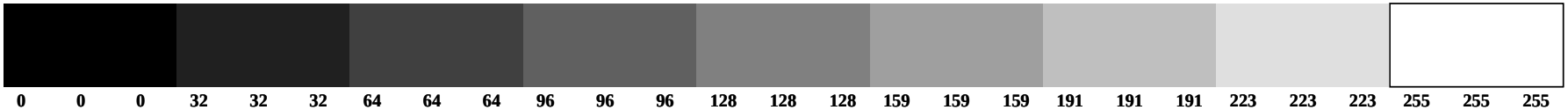
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.875	0.25	0.516	0.875	0.25	0.502	0.924	0.345
$olv^*_{Fa,\ 8bit}$	64	223	64	132	223	64	128	236	88
L^*, C^*_{ab}, h_{ab}	73.2	76.3	138.2	79.8	69.2	132.5	84.5	69.1	128.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	12.1	12.1	3D−in:	18.1	18.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 947/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
947	0.25	0.75	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	71.1	31.8	162.2	−30.1	9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
947	0.25	0.75	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	71.3	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.5	j99g	l77c		0.0	1.0	0.774	0.25	0.75	0.637
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.5	j57g	y100l		0.425	1.0	0.0	0.463	0.75	0.25

3 Colours no. *j*=947

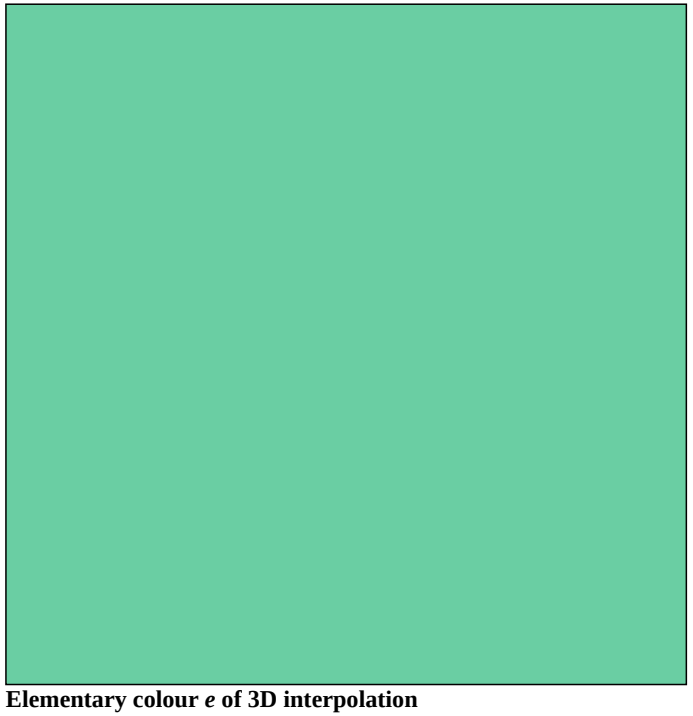
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.75	0.25	0.25	0.75	0.637	0.415	0.809	0.639
$rgb^*_{Fa,\ 8bit}$	64	191	64	64	191	162	106	206	163
L^*, C^*_{ab}, h_{ab}	64.8	60.9	140.3	71.1	31.8	162.2	76.4	30.9	158.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	34.2	34.2	3D−it:	5.8	5.8	

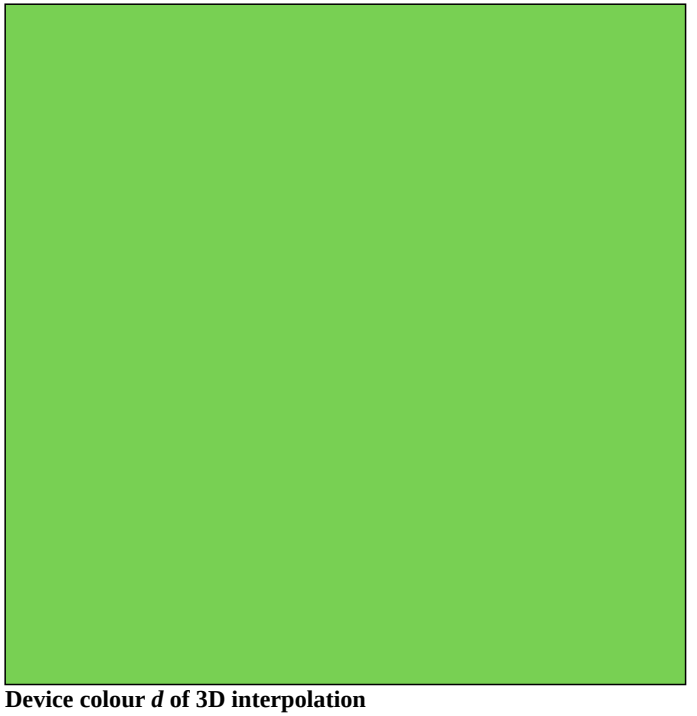
3 Colours no. *j*=947

output of the device colour *d*:

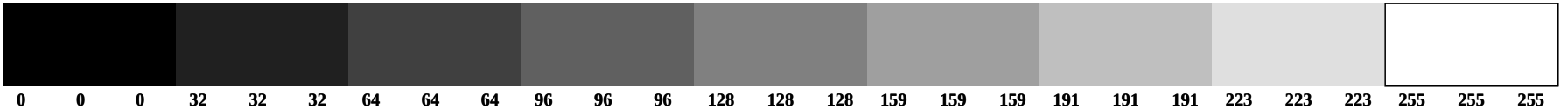
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.75	0.25	0.463	0.75	0.25	0.472	0.816	0.324
$olv^*_{Fa,\ 8bit}$	64	191	64	118	191	64	120	208	83
L^*, C^*_{ab}, h_{ab}	64.8	60.9	140.3	71.3	55.4	132.5	75.3	54.2	130.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.6	11.6	3D−in:	16.2	16.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
948	0.25	0.625	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	62.6	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
948	0.25	0.625	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	62.7	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.375	j99g	l77c		0.0	1.0	0.774	0.25	0.625	0.54
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.375	j57g	y100l		0.425	1.0	0.0	0.409	0.625	0.25

3 Colours no. *j*=948

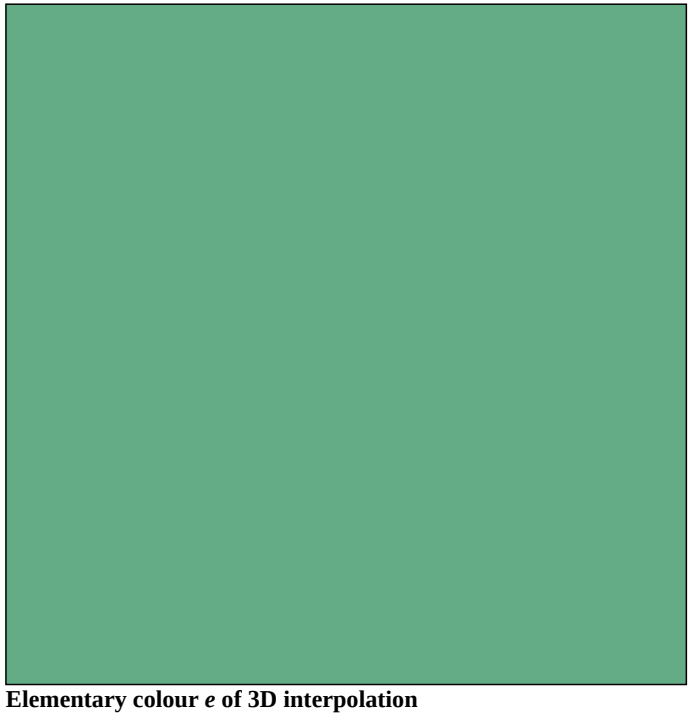
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.625	0.25	0.25	0.625	0.54	0.392	0.675	0.526
$rgb^*_{Fa,\ 8bit}$	64	159	64	64	159	138	100	172	134
L^*, C^*_{ab}, h_{ab}	57.5	46.5	142.4	62.6	23.8	162.2	66.9	20.9	151.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	25.9	25.9	3D−it:	6.7	6.7	

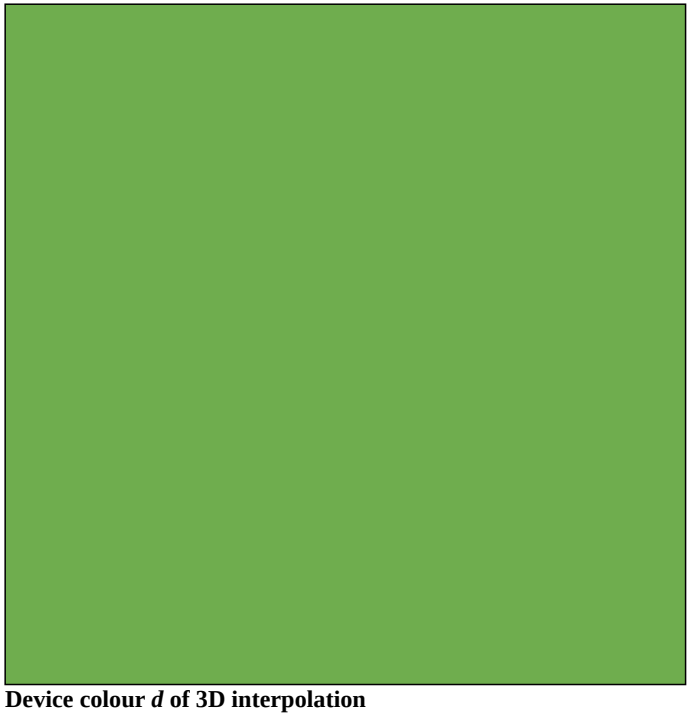
3 Colours no. *j*=948

output of the device colour *d*:

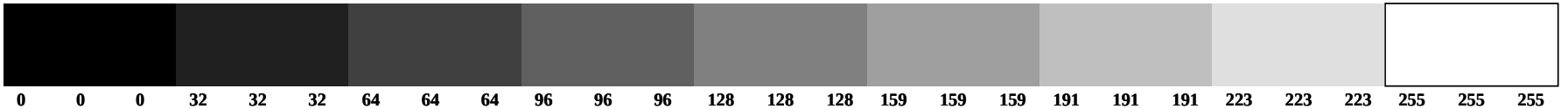
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.625	0.25	0.409	0.625	0.25	0.434	0.68	0.304
$olv^*_{Fa,\ 8bit}$	64	159	64	104	159	64	111	173	77
L^*, C^*_{ab}, h_{ab}	57.5	46.5	142.4	62.7	41.5	132.5	66.7	41.2	131.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.5	10.5	3D−in:	13.5	13.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
949	0.25	0.5	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	54.1	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
949	0.25	0.5	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	54.2	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.25	j99g	l77c		0.0	1.0	0.774	0.25	0.5	0.444
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.25	j57g	y100l		0.425	1.0	0.0	0.356	0.5	0.25

3 Colours no. *j*=949

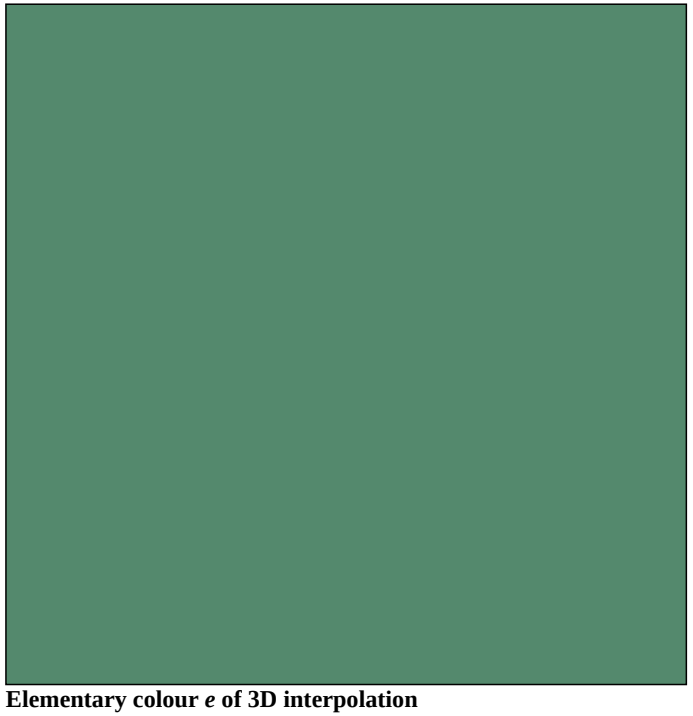
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.5	0.25	0.25	0.5	0.444	0.329	0.537	0.429
$rgb^*_{Fa,\ 8bit}$	64	128	64	64	128	113	84	137	109
L^*, C^*_{ab}, h_{ab}	50.7	32.1	145.1	54.1	15.9	162.2	59.5	11.6	154.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.9	17.9	3D−it:	7.1	7.1	

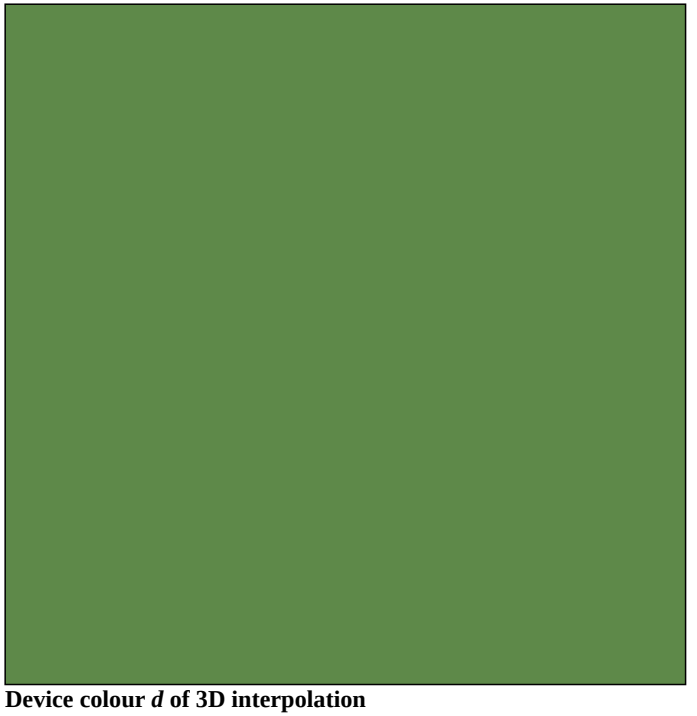
3 Colours no. *j*=949

output of the device colour *d*:

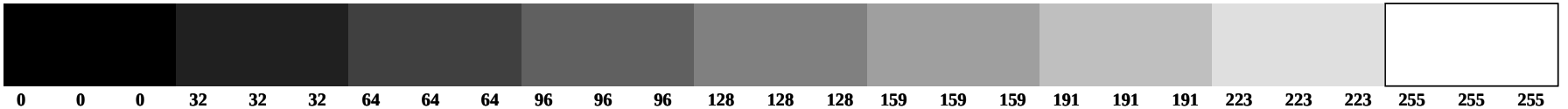
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.5	0.25	0.356	0.5	0.25	0.369	0.539	0.287
$olv^*_{Fa,\ 8bit}$	64	128	64	91	128	64	94	137	73
L^*, C^*_{ab}, h_{ab}	50.7	32.1	145.1	54.2	27.7	132.5	56.2	27.4	130.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.7	8.7	3D−in:	10.6	10.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
950	0.25	0.375	0.25	150.0	85.7	63.5	162.2	−60.4	19.4	45.6	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
950	0.25	0.375	0.25	150.0	86.0	110.8	132.5	−74.7	81.7	45.6	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.125	j99g	l77c		0.0	1.0	0.774	0.25	0.375	0.347
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.125	j57g	y100l		0.425	1.0	0.0	0.303	0.375	0.25

3 Colours no. *j*=950

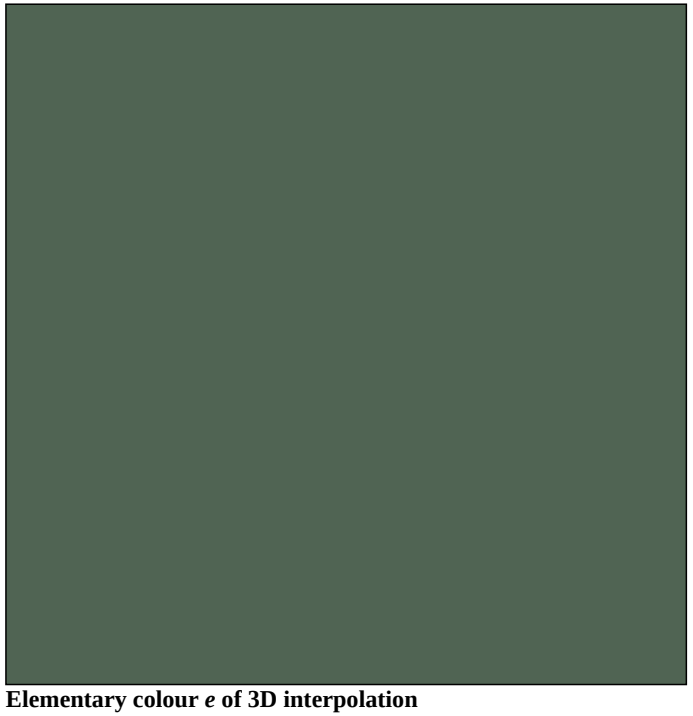
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.375	0.25	0.25	0.375	0.347	0.313	0.393	0.326
$rgb^*_{Fa,\ 8bit}$	64	96	64	64	96	88	80	100	83
L^*, C^*_{ab}, h_{ab}	43.5	15.9	151.4	45.6	7.9	162.2	53.1	12.4	125.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.5	8.5	3D−it:	10.7	10.7	

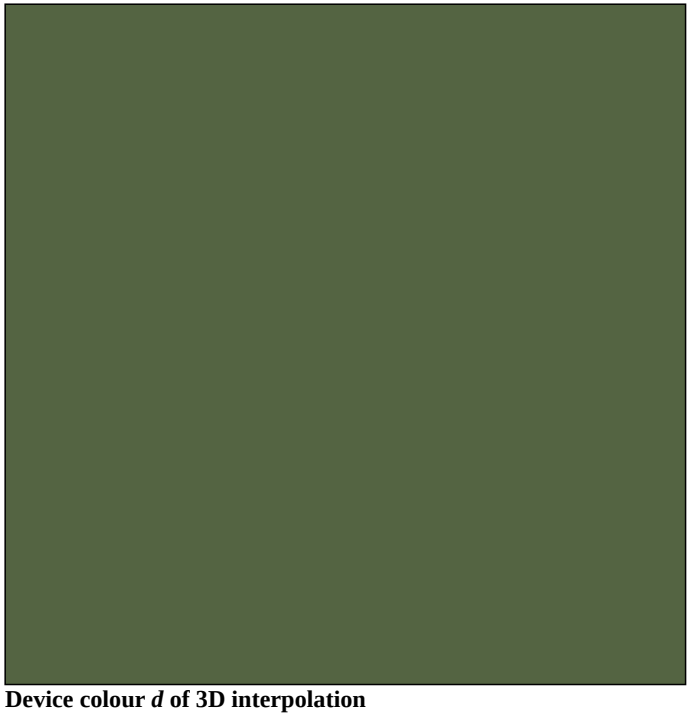
3 Colours no. *j*=950

output of the device colour *d*:

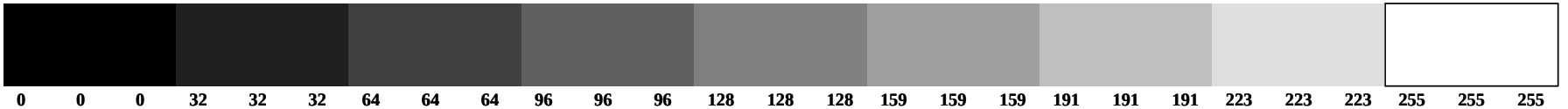
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.375	0.25	0.303	0.375	0.25	0.331	0.393	0.259
$olv^*_{Fa,\ 8bit}$	64	96	64	77	96	64	84	100	66
L^*, C^*_{ab}, h_{ab}	43.5	15.9	151.4	45.6	13.8	132.5	45.9	11.8	113.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.7	5.7	3D−in:	10.1	10.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
951	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
951	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. *j*=951

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.7	280.0	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.7	3.7	

3 Colours no. *j*=951

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.7	280.0	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
952	0.25	0.125	0.25	330.0	57.9	105.2	328.6	89.9	−54.7	32.4	13.2	328.6	11.2	−6.7	0.75	0.125	b50r	m02o		1.0	0.0	0.975	0.25	0.125	0.247
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
952	0.25	0.125	0.25	330.0	56.9	108.7	326.7	90.8	−59.6	32.3	13.6	326.7	11.3	−7.4	0.75	0.125	b47r	m00o		0.966	0.0	1.0	0.246	0.125	0.25

3 Colours no. *j*=952

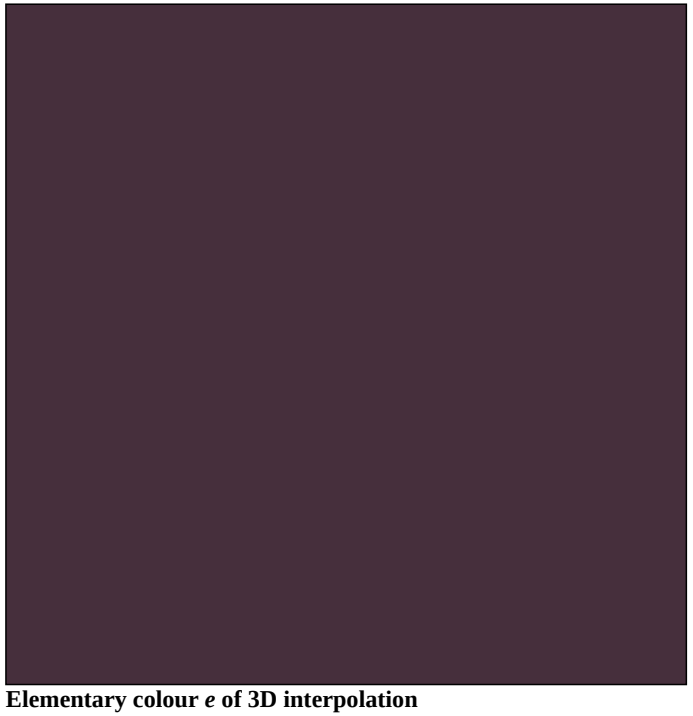
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.25	0.125	0.25	0.25	0.125	0.247	0.274	0.183	0.235
$rgb^*_{Fa,\ 8bit}$	64	32	64	64	32	63	70	47	60
L^*, C^*_{ab}, h_{ab}	28.5	24.7	319.7	32.4	13.2	328.6	39.2	15.5	359.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−it:	10.6	10.6	

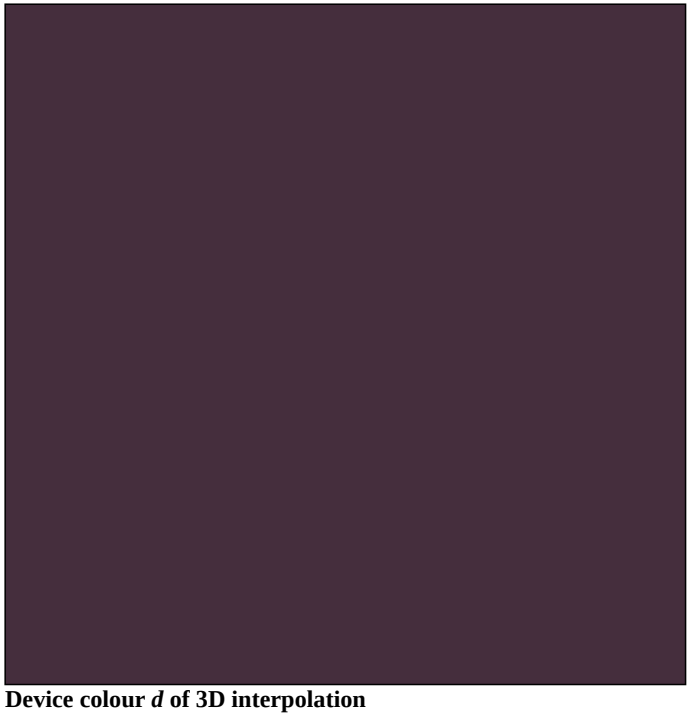
3 Colours no. *j*=952

output of the device colour *d*:

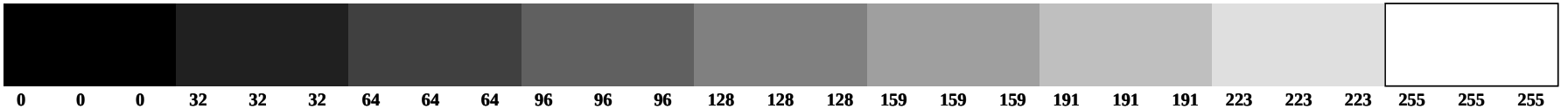
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.25	0.125	0.25	0.246	0.125	0.25	0.272	0.182	0.238
$olv^*_{Fa,\ 8bit}$	64	32	64	63	32	64	69	46	61
L^*, C^*_{ab}, h_{ab}	28.5	24.7	319.7	32.3	13.6	326.7	39.2	15.6	355.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	18.5	18.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
953	0.25	0.0	0.25	330.0	57.9	105.3	328.6	89.9	−54.7	27.7	26.3	328.6	22.5	−13.6	0.75	0.25	b50r	m02o		1.0	0.0	0.976	0.25	0.0	0.244
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
953	0.25	0.0	0.25	330.0	56.9	108.7	326.6	90.8	−59.7	27.5	27.2	326.6	22.7	−14.8	0.75	0.25	b47r	m00o		0.965	0.0	1.0	0.241	0.0	0.25

3 Colours no. *j*=953

output of the elementary colour *e*:

rgb input (in):									
	0.25	0.0	0.25	0.25	0.0	0.244	0.275	0.084	0.232
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	0	64	64	0	62	70	21	59
L^*, C^*_{ab}, h_{ab}	24.8	36.2	322.5	27.7	26.3	328.6	28.4	28.8	336.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.9	10.9	3D−it:	4.4	4.4	

linear interpolation (it):	3D interpolation (3D):

3 Colours no. *j*=953

output of the device colour *d*:

rgb input (in):									
	0.25	0.0	0.25	0.241	0.0	0.25	0.269	0.08	0.237
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	0	64	62	0	64	69	20	60
L^*, C^*_{ab}, h_{ab}	24.8	36.2	322.5	27.5	27.2	326.6	28.4	30.3	332.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	9.7	9.7	3D−in:	8.9	8.9	

linear interpolation (it):	3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
954	0.125	1.0	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	86.9	55.6	162.2	−52.8	17.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
954	0.125	1.0	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	87.2	96.9	132.5	−65.4	71.5

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	0.875	j99g	l77c		0.0	1.0	0.774	0.125	1.0	0.802
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	0.875	j57g	y100l		0.425	1.0	0.0	0.497	1.0	0.125

3 Colours no. *j*=954

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	1.0	0.125	0.125	1.0	0.802	0.269	1.0	0.819
$rgb^*_{Fa,\ 8bit}$	32	255	32	32	255	205	69	255	209
L^*, C^*_{ab}, h_{ab}	84.5	111.2	133.8	86.9	55.6	162.2	87.1	55.9	155.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	67.8	67.8	3D−it:	6.2	6.2	

3 Colours no. *j*=954

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	1.0	0.125	0.497	1.0	0.125	0.376	1.0	0.241
$olv^*_{Fa,\ 8bit}$	32	255	32	127	255	32	96	255	62
L^*, C^*_{ab}, h_{ab}	84.5	111.2	133.8	87.2	96.9	132.5	88.4	98.4	131.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	14.7	14.7	3D−in:	14.4	14.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
955	0.125	0.875	0.125	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
955	0.125	0.875	0.125	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
78.4	47.6	162.2	−45.3	14.5
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
78.6	83.1	132.5	−56.0	61.3

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.125	0.75	j99g	l77c		0.0	1.0	0.774	0.125	0.875	0.706
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.125	0.75	j57g	y100l		0.425	1.0	0.0	0.444	0.875	0.125

3 Colours no. *j*=955

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.875	0.125	0.125	0.875	0.706	0.287	0.915	0.708
$rgb^*_{Fa,\ 8bit}$	32	223	32	32	223	180	73	233	181
L^*, C^*_{ab}, h_{ab}	72.3	92.2	135.5	78.4	47.6	162.2	82.7	47.8	161.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	54.5	54.5	3D−it:	4.5	4.5	

3 Colours no. *j*=955

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.875	0.125	0.444	0.875	0.125	0.382	0.923	0.229
$olv^*_{Fa,\ 8bit}$	32	223	32	113	223	32	97	235	58
L^*, C^*_{ab}, h_{ab}	72.3	92.2	135.5	78.6	83.1	132.5	86.1	82.9	127.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.0	12.0	3D−in:	20.6	20.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
956	0.125	0.75	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	69.9	39.7	162.2	−37.7	12.1
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
956	0.125	0.75	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	70.1	69.2	132.5	−46.7	51.1

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.25	0.625	j99g	l77c		0.0	1.0	0.774	0.125	0.75	0.609
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.25	0.625	j57g	y100l		0.425	1.0	0.0	0.391	0.75	0.125

3 Colours no. *j*=956

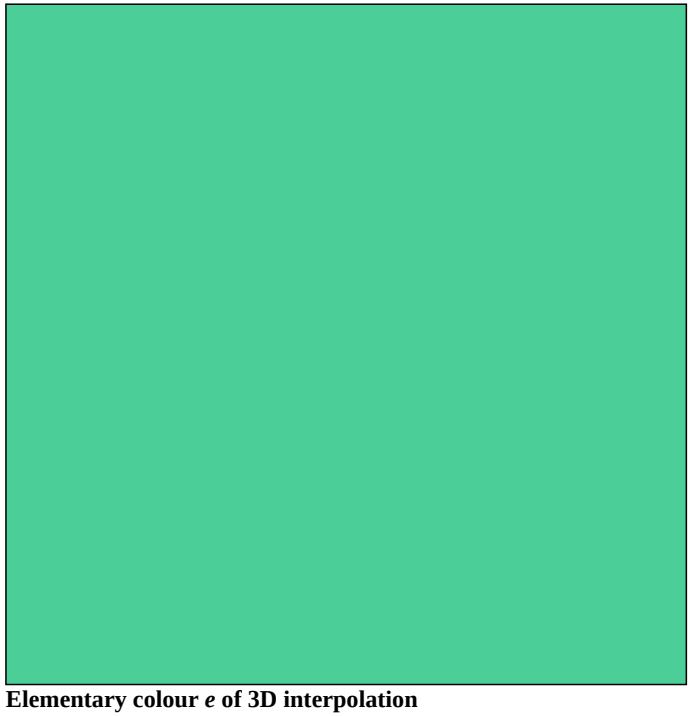
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.75	0.125	0.125	0.75	0.609	0.296	0.807	0.592
$rgb^*_{Fa,\ 8bit}$	32	191	32	32	191	155	75	206	151
L^*, C^*_{ab}, h_{ab}	63.6	78.4	137.0	69.9	39.7	162.2	74.4	40.0	159.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	46.2	46.2	3D−it:	4.8	4.8	

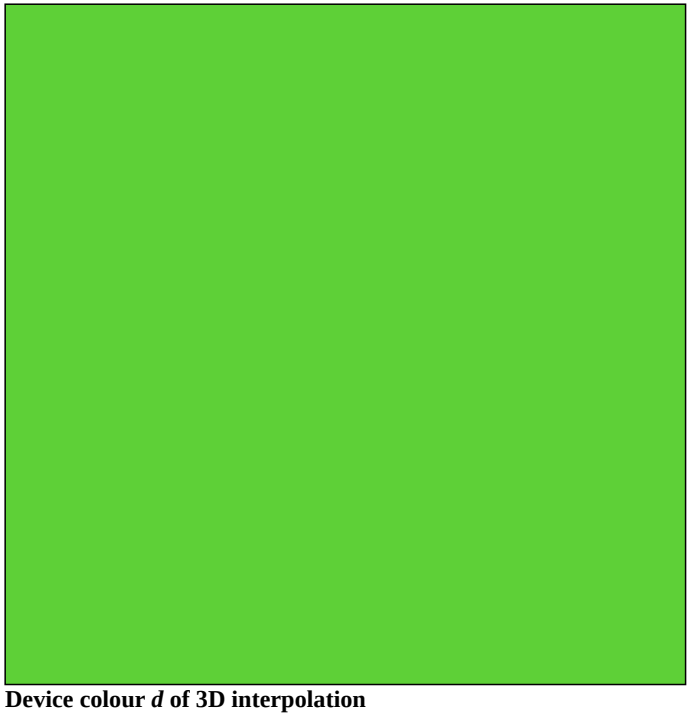
3 Colours no. *j*=956

output of the device colour *d*:

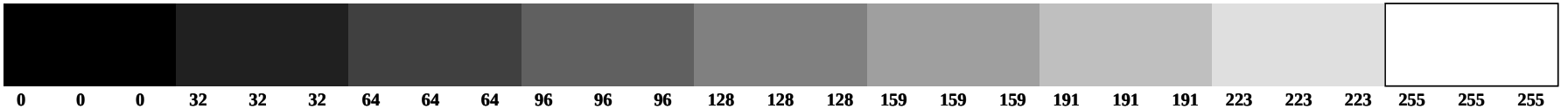
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.75	0.125	0.391	0.75	0.125	0.369	0.816	0.216
$olv^*_{Fa,\ 8bit}$	32	191	32	100	191	32	94	208	55
L^*, C^*_{ab}, h_{ab}	63.6	78.4	137.0	70.1	69.2	132.5	75.1	69.1	128.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.6	12.6	3D−in:	18.3	18.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$				
957	0.125	0.625	0.125	150.0	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$				
957	0.125	0.625	0.125	150.0	86.0	110.8	132.5	−74.7	81.7

$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
61.4	31.8	162.2	−30.1	9.7
$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
61.5	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.375	0.5	j99g	l77c		0.0	1.0	0.774	0.125	0.625	0.512
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.375	0.5	j57g	y100l		0.425	1.0	0.0	0.338	0.625	0.125

3 Colours no. *j*=957

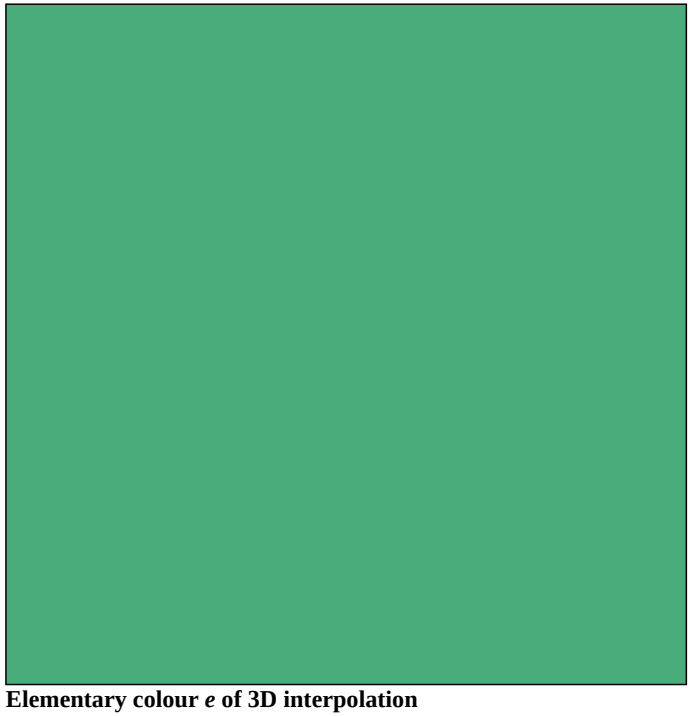
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.625	0.125	0.125	0.625	0.512	0.287	0.674	0.482
$rgb^*_{Fa,\ 8bit}$	32	159	32	32	159	131	73	172	123
L^*, C^*_{ab}, h_{ab}	56.1	65.2	138.4	61.4	31.8	162.2	66.9	30.9	151.1
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	38.7	38.7	3D−it:	8.2	8.2	

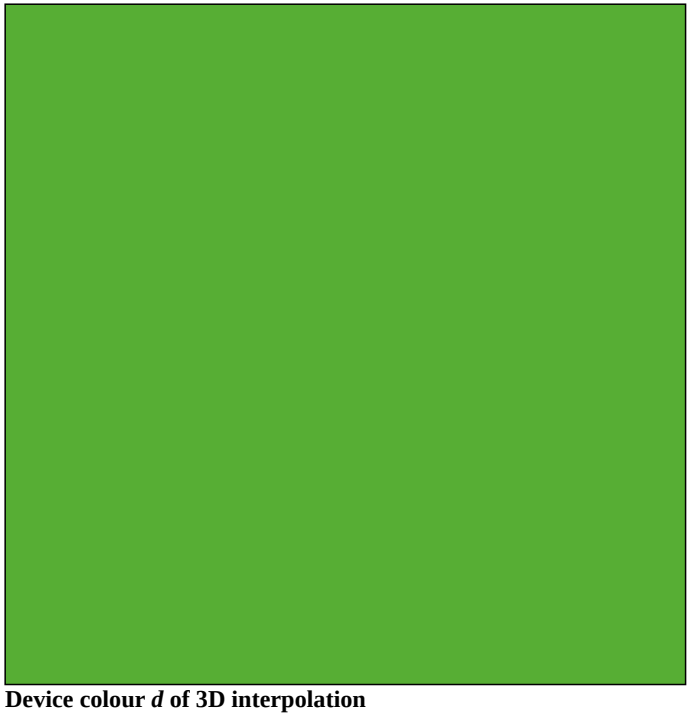
3 Colours no. *j*=957

output of the device colour *d*:

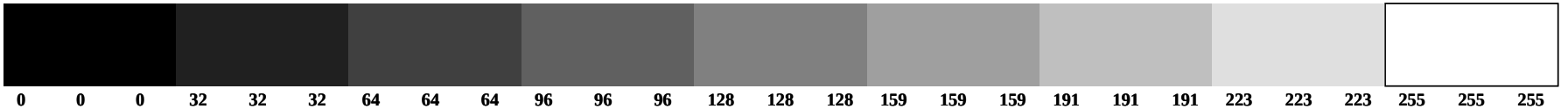
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.625	0.125	0.338	0.625	0.125	0.341	0.681	0.203
$olv^*_{Fa,\ 8bit}$	32	159	32	86	159	32	87	174	52
L^*, C^*_{ab}, h_{ab}	56.1	65.2	138.4	61.5	55.4	132.5	65.8	54.0	130.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.8	12.8	3D−in:	16.9	16.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
958	0.125	0.5	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	52.9	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
958	0.125	0.5	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	53.0	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.375	j99g	l77c		0.0	1.0	0.774	0.125	0.5	0.415
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.375	j57g	y100l		0.425	1.0	0.0	0.284	0.5	0.125

3 Colours no. *j*=958

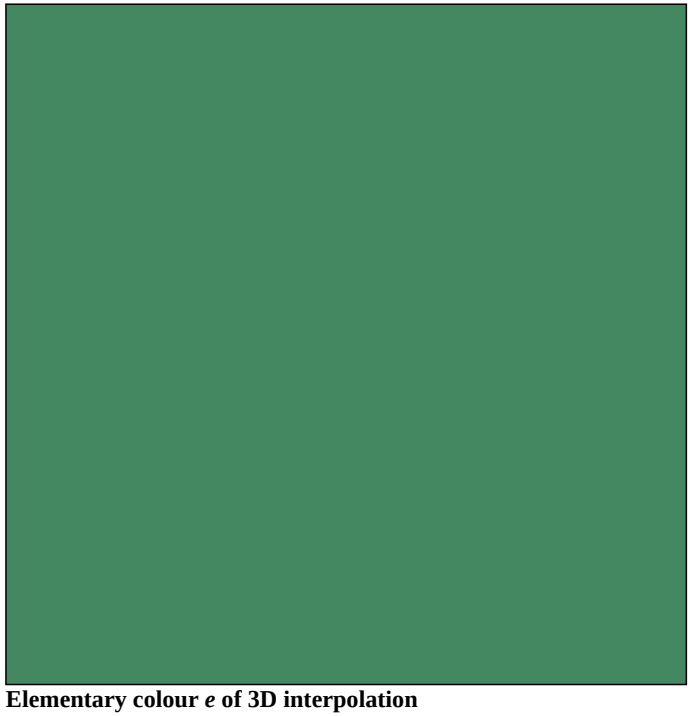
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.5	0.125	0.125	0.5	0.415	0.261	0.532	0.382
$rgb^*_{Fa,\ 8bit}$	32	128	32	32	128	106	66	136	97
L^*, C^*_{ab}, h_{ab}	49.0	52.6	140.0	52.9	23.8	162.2	54.7	23.3	155.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	32.1	32.1	3D−it:	3.4	3.4

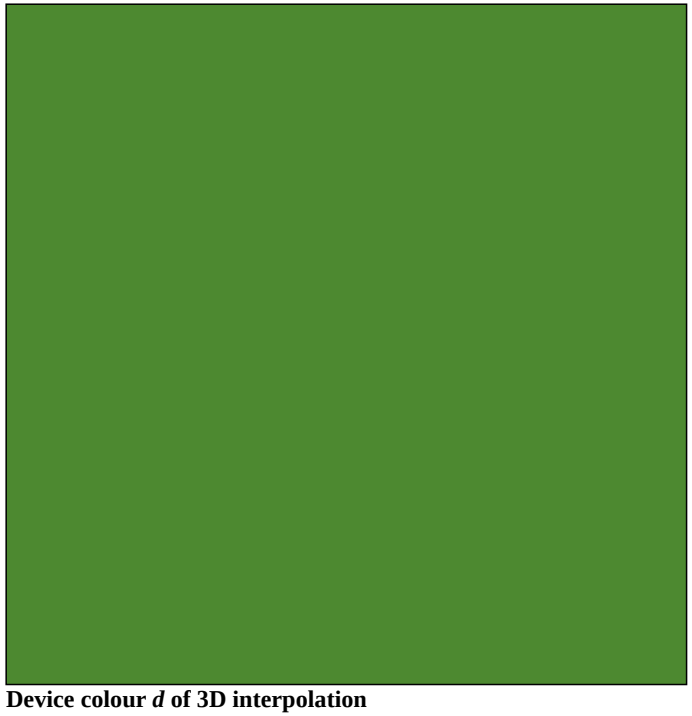
3 Colours no. *j*=958

output of the device colour *d*:

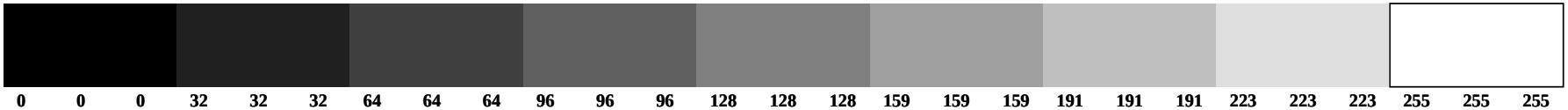
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.5	0.125	0.284	0.5	0.125	0.303	0.536	0.19
$olv^*_{Fa,\ 8bit}$	32	128	32	73	128	32	77	137	49
L^*, C^*_{ab}, h_{ab}	49.0	52.6	140.0	53.0	41.5	132.5	58.7	41.2	131.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	13.3	13.3	3D−in:	16.5	16.5



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
959	0.125	0.375	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	44.4	15.9	162.2	−15.0	4.9
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
959	0.125	0.375	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	44.5	27.7	132.5	−18.6	20.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.25	j99g	l77c		0.0	1.0	0.774	0.125	0.375	0.319
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.25	j57g	y100l		0.425	1.0	0.0	0.231	0.375	0.125

3 Colours no. *j*=959

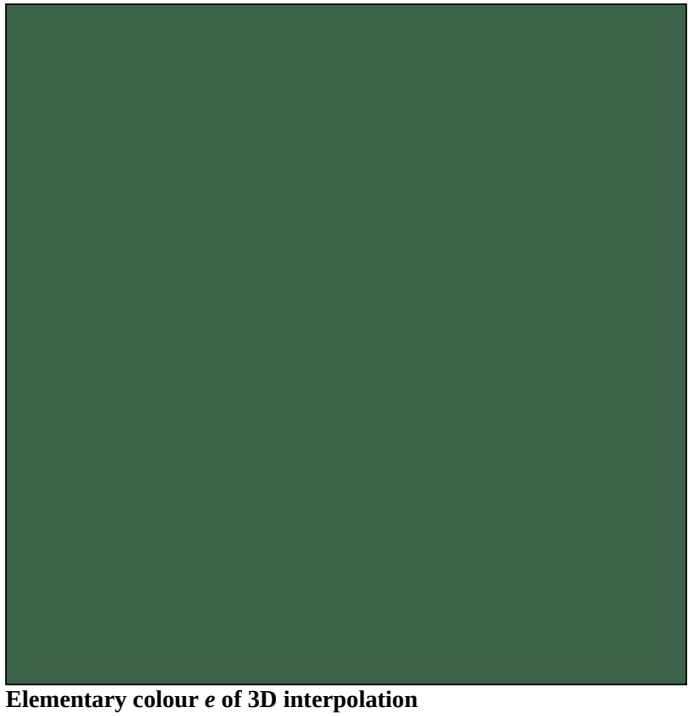
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.375	0.125	0.125	0.375	0.319	0.234	0.393	0.287
$rgb^*_{Fa,\ 8bit}$	32	96	32	32	96	81	60	100	73
L^*, C^*_{ab}, h_{ab}	41.4	37.7	142.3	44.4	15.9	162.2	45.3	15.9	151.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	23.6	23.6	3D−it:	3.2	3.2	

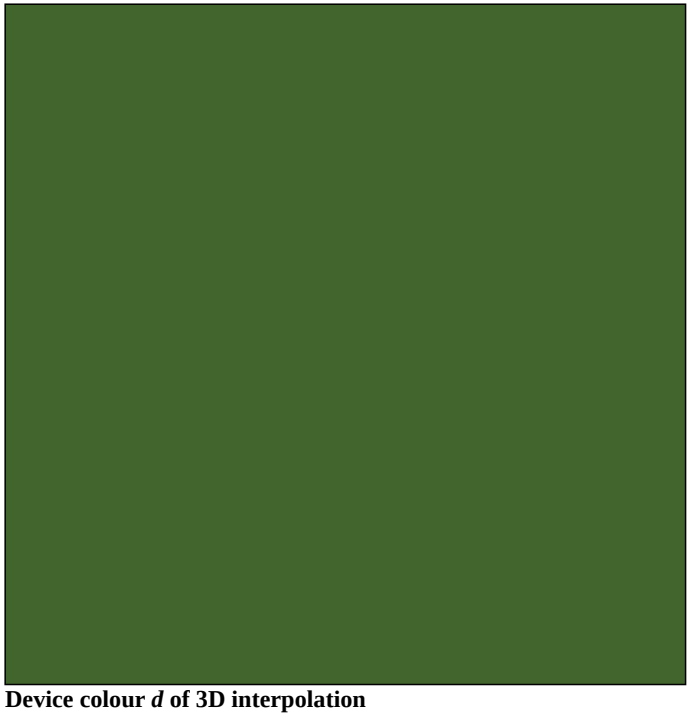
3 Colours no. *j*=959

output of the device colour *d*:

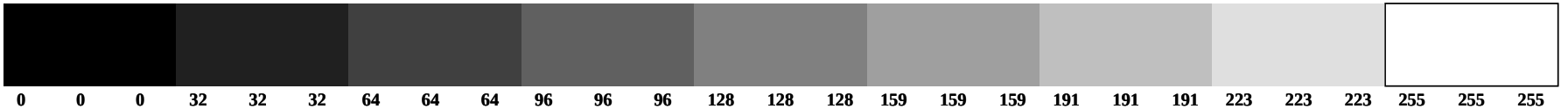
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.375	0.125	0.231	0.375	0.125	0.259	0.396	0.176
$olv^*_{Fa,\ 8bit}$	32	96	32	59	96	32	66	101	45
L^*, C^*_{ab}, h_{ab}	41.4	37.7	142.3	44.5	27.7	132.5	45.9	31.3	124.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	11.8	11.8	3D−in:	13.2	13.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
960	0.125	0.25	0.125	150.0	85.7	63.5	162.2	−60.4	19.4	35.9	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
960	0.125	0.25	0.125	150.0	86.0	110.8	132.5	−74.7	81.7	35.9	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.125	j99g	l77c		0.0	1.0	0.774	0.125	0.25	0.222
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.125	j57g	y100l		0.425	1.0	0.0	0.178	0.25	0.125

3 Colours no. *j*=960

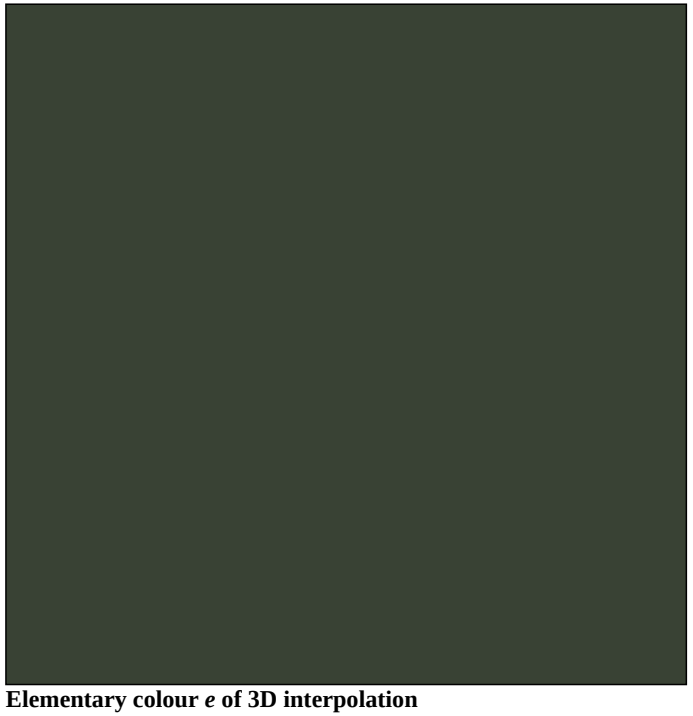
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.25	0.125	0.125	0.25	0.222	0.224	0.258	0.205
$rgb^*_{Fa,\ 8bit}$	32	64	32	32	64	57	57	66	52
L^*, C^*_{ab}, h_{ab}	33.5	20.4	145.6	35.9	7.9	162.2	45.3	11.8	113.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	13.2	13.2	3D−it:	13.0	13.0	

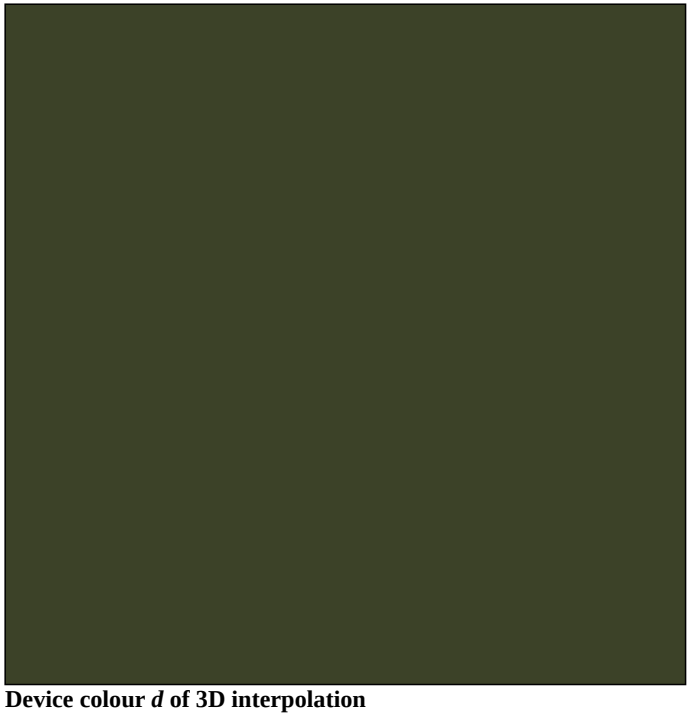
3 Colours no. *j*=960

output of the device colour *d*:

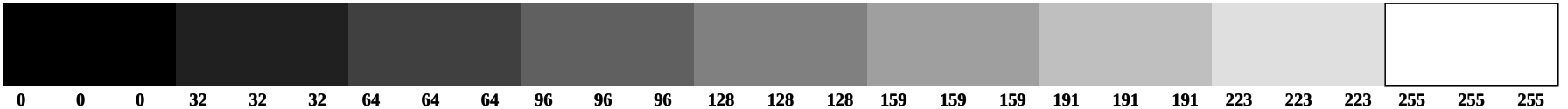
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.25	0.125	0.178	0.25	0.125	0.237	0.259	0.155
$olv^*_{Fa,\ 8bit}$	32	64	32	45	64	32	61	66	40
L^*, C^*_{ab}, h_{ab}	33.5	20.4	145.6	35.9	13.8	132.5	36.3	16.0	110.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	8.0	8.0	3D−in:	12.0	12.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
961	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0	0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
961	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0	0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=961

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.2	292.3	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.4	3.4	

3 Colours no. *j*=961

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.2	292.3	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.8	6.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
962	0.125	0.0	0.125	330.0	57.9	105.2	328.6	89.9	−54.7	22.7	13.2	328.6	11.2	−6.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
962	0.125	0.0	0.125	330.0	56.9	108.7	326.7	90.8	−59.6	22.6	13.6	326.7	11.3	−7.4

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.875	0.125	b50r	m02o		1.0	0.0	0.975	0.125	0.0	0.122
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.875	0.125	b47r	m00o		0.966	0.0	1.0	0.121	0.0	0.125

3 Colours no. *j*=962

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.0	0.125	0.125	0.0	0.122	0.16	0.046	0.139
$rgb^*_{Fa,\ 8bit}$	32	0	32	32	0	31	41	12	35
L^*, C^*_{ab}, h_{ab}	20.0	14.9	320.8	22.7	13.2	328.6	25.5	12.2	337.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−it:	3.6	3.6	

3 Colours no. *j*=962

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.0	0.125	0.121	0.0	0.125	0.157	0.044	0.141
$olv^*_{Fa,\ 8bit}$	32	0	32	31	0	32	40	11	36
L^*, C^*_{ab}, h_{ab}	20.0	14.9	320.8	22.6	13.6	326.7	25.3	12.8	332.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
963	0.0	1.0	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	85.7	63.5	162.2	−60.4	19.4	0.0	1.0	j99g	l77c		0.0	1.0	0.774	0.0	1.0	0.774
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
963	0.0	1.0	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	86.0	110.8	132.5	−74.7	81.7	0.0	1.0	j57g	y100l		0.425	1.0	0.0	0.425	1.0	0.0

3 Colours no. *j*=963

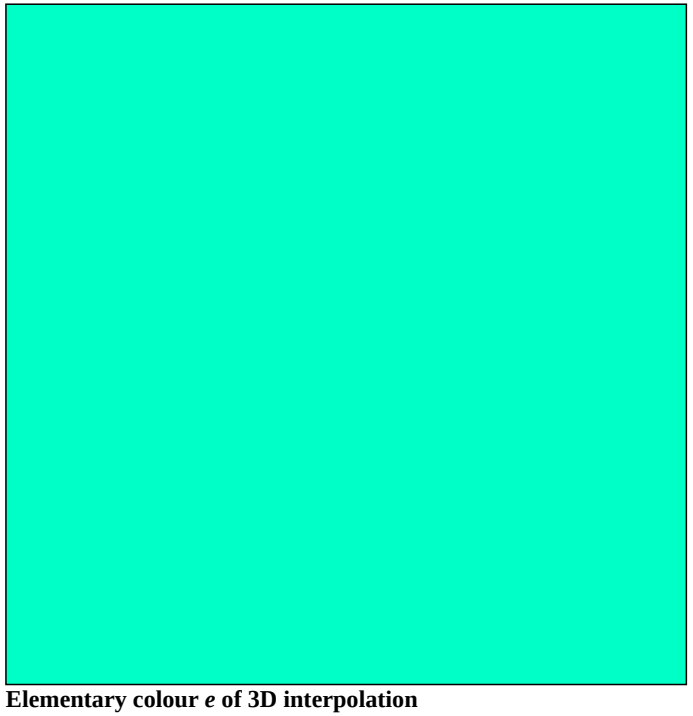
output of the elementary colour *e*:

rgb input (in):									
	0.0	1.0	0.0	0.0	1.0	0.774	0.0	1.0	0.775
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	255	0	0	255	197	0	255	198
L^*, C^*_{ab}, h_{ab}	84.3	117.9	132.5	85.7	63.5	162.2	85.8	63.5	159.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	70.2	70.2	3D−it:	2.6	2.6	

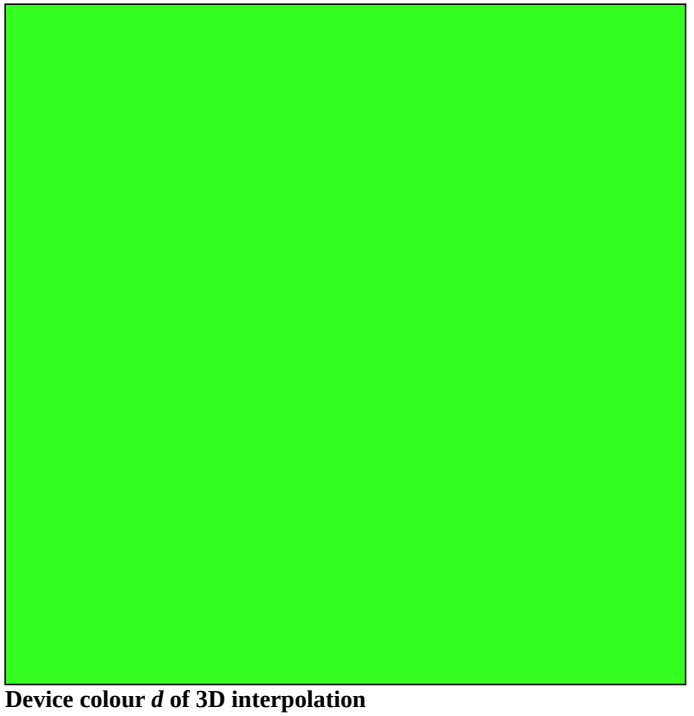
3 Colours no. *j*=963

output of the device colour *d*:

rgb input (in):									
	0.0	1.0	0.0	0.425	1.0	0.0	0.206	1.0	0.125
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	255	0	108	255	0	53	255	32
L^*, C^*_{ab}, h_{ab}	84.3	117.9	132.5	86.0	110.8	132.5	86.9	109.4	131.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.3	7.3	3D−in:	9.2	9.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
964	0.0	0.875	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	77.2	55.6	162.2	−52.8	17.0	0.125	0.875	j99g	l77c		0.0	1.0	0.774	0.0	0.875	0.677
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
964	0.0	0.875	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	77.5	96.9	132.5	−65.4	71.5	0.125	0.875	j57g	y100l		0.425	1.0	0.0	0.372	0.875	0.0

3 Colours no. *j*=964

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.875	0.0	0.0	0.875	0.677	0.111	0.913	0.659
$rgb^*_{Fa,\ 8bit}$	0	223	0	0	223	173	28	233	168
L^*, C^*_{ab}, h_{ab}	71.8	100.2	134.0	77.2	55.6	162.2	81.0	53.4	158.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	57.8	57.8	3D−it:	5.6	5.6

3 Colours no. *j*=964

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.875	0.0	0.372	0.875	0.0	0.233	0.922	0.125
$olv^*_{Fa,\ 8bit}$	0	223	0	95	223	0	60	235	32
L^*, C^*_{ab}, h_{ab}	71.8	100.2	134.0	77.5	96.9	132.5	81.9	97.8	128.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.0	7.0	3D−in:	14.6	14.6

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
965	0.0	0.75	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	68.7	47.6	162.2	−45.3	14.5	0.25	0.75	j99g	l77c		0.0	1.0	0.774	0.0	0.75	0.581
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
965	0.0	0.75	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	68.9	83.1	132.5	−56.0	61.3	0.25	0.75	j57g	y100l		0.425	1.0	0.0	0.319	0.75	0.0

3 Colours no. *j*=965

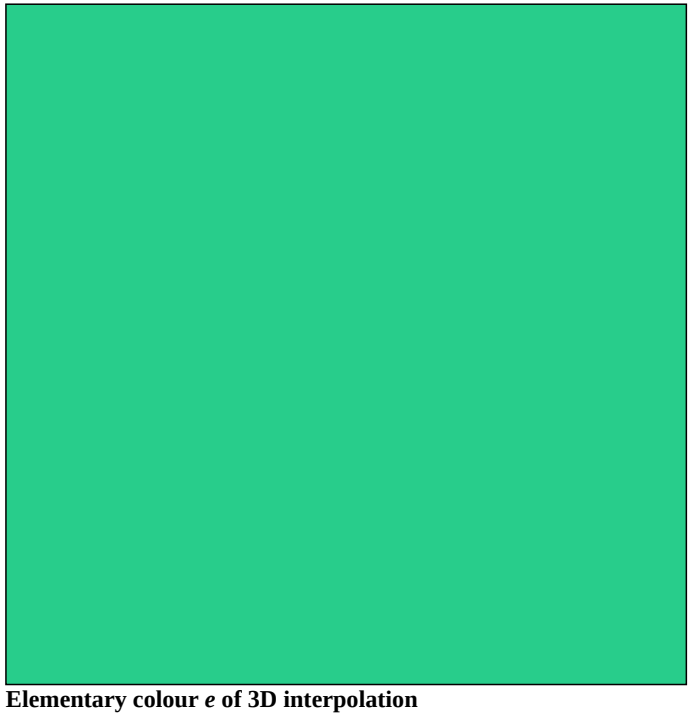
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.75	0.0	0.0	0.75	0.581	0.155	0.805	0.546
$rgb^*_{Fa,\ 8bit}$	0	191	0	0	191	148	39	205	139
L^*, C^*_{ab}, h_{ab}	63.1	87.2	135.2	68.7	47.6	162.2	73.4	43.5	160.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	50.0	50.0	3D−it:	6.4	6.4

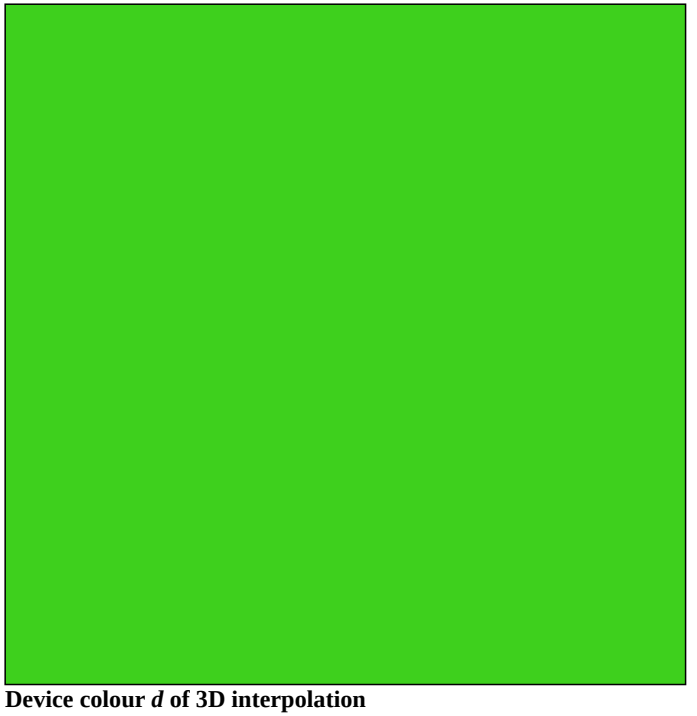
3 Colours no. *j*=965

output of the device colour *d*:

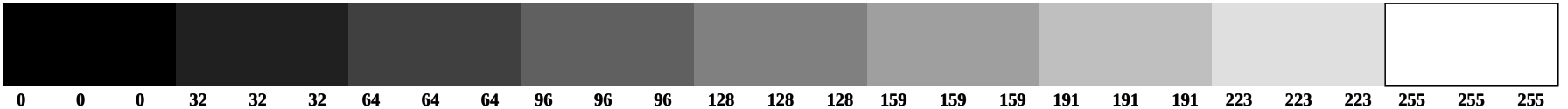
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.75	0.0	0.319	0.75	0.0	0.244	0.815	0.115
$olv^*_{Fa,\ 8bit}$	0	191	0	81	191	0	62	208	29
L^*, C^*_{ab}, h_{ab}	63.1	87.2	135.2	68.9	83.1	132.5	73.9	86.0	128.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	8.1	8.1	3D−in:	14.7	14.7



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
966	0.0	0.625	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	60.2	39.7	162.2	−37.7	12.1	0.375	0.625	j99g	l77c		0.0	1.0	0.774	0.0	0.625	0.484
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
966	0.0	0.625	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	60.4	69.2	132.5	−46.7	51.1	0.375	0.625	j57g	y100l		0.425	1.0	0.0	0.266	0.625	0.0

3 Colours no. *j*=966

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.625	0.0	0.0	0.625	0.484	0.167	0.672	0.438
$rgb^*_{Fa,\ 8bit}$	0	159	0	0	159	123	43	171	112
L^*, C^*_{ab}, h_{ab}	55.4	75.2	136.2	60.2	39.7	162.2	63.6	39.3	160.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	43.5	43.5	3D−it:	3.6	3.6

3 Colours no. *j*=966

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.625	0.0	0.266	0.625	0.0	0.237	0.681	0.103
$olv^*_{Fa,\ 8bit}$	0	159	0	68	159	0	60	174	26
L^*, C^*_{ab}, h_{ab}	55.4	75.2	136.2	60.4	69.2	132.5	65.6	71.1	127.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	9.1	9.1	3D−in:	15.7	15.7

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 967/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
967	0.0	0.5	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	51.7	31.8	162.2	−30.1	9.7
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
967	0.0	0.5	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	51.8	55.4	132.5	−37.3	40.8

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.5	j99g	l77c		0.0	1.0	0.774	0.0	0.5	0.387
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.5	j57g	y100l		0.425	1.0	0.0	0.213	0.5	0.0

3 Colours no. *j*=967

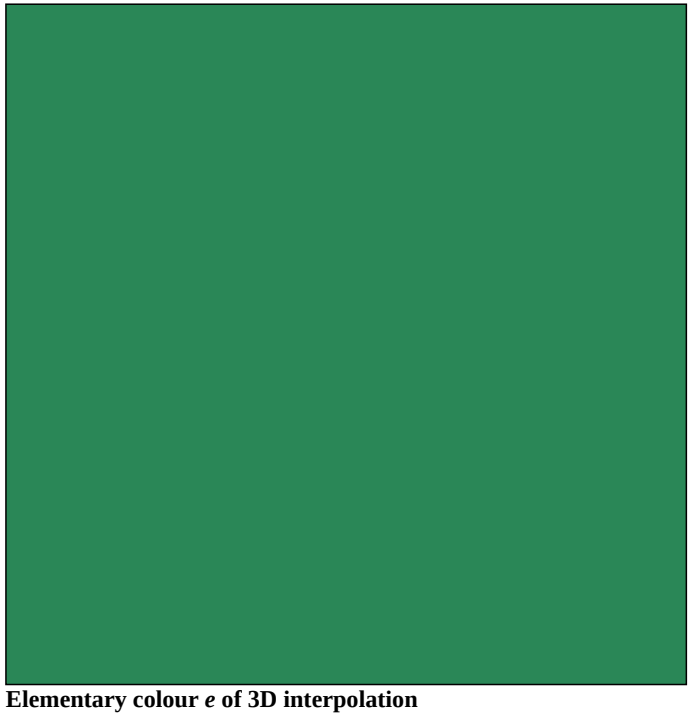
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.5	0.0	0.0	0.5	0.387	0.165	0.53	0.34
$rgb^*_{Fa,\ 8bit}$	0	128	0	0	128	99	42	135	87
L^*, C^*_{ab}, h_{ab}	48.2	63.5	137.4	51.7	31.8	162.2	58.2	31.7	148.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	37.3	37.3	3D−it:	10.2	10.2

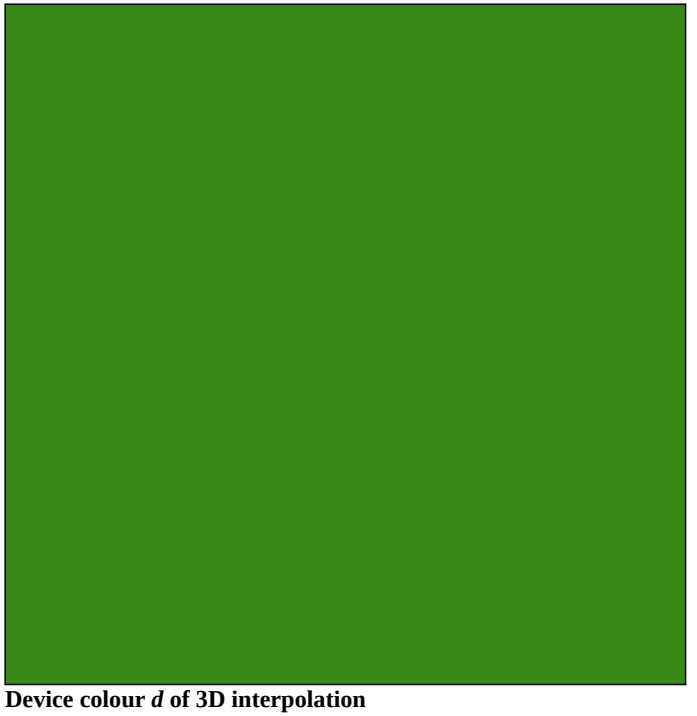
3 Colours no. *j*=967

output of the device colour *d*:

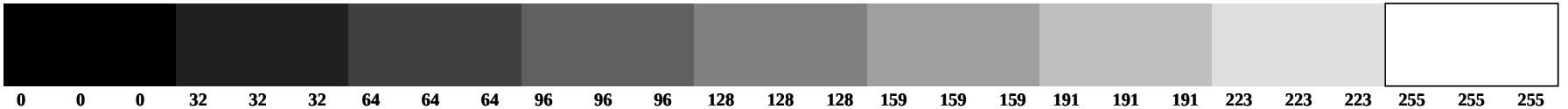
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.5	0.0	0.213	0.5	0.0	0.215	0.537	0.09
$olv^*_{Fa,\ 8bit}$	0	128	0	54	128	0	55	137	23
L^*, C^*_{ab}, h_{ab}	48.2	63.5	137.4	51.8	55.4	132.5	57.1	56.3	126.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	10.2	10.2	3D−in:	16.1	16.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
968	0.0	0.375	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	43.2	23.8	162.2	−22.6	7.3
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
968	0.0	0.375	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	43.3	41.5	132.5	−28.0	30.6

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$			
0.625	0.375	j99g	l77c		0.0	1.0	0.774	0.0	0.375	0.29	
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$			
0.625	0.375	j57g	y100l		0.425	1.0	0.0	0.159	0.375	0.29	

3 Colours no. *j*=968

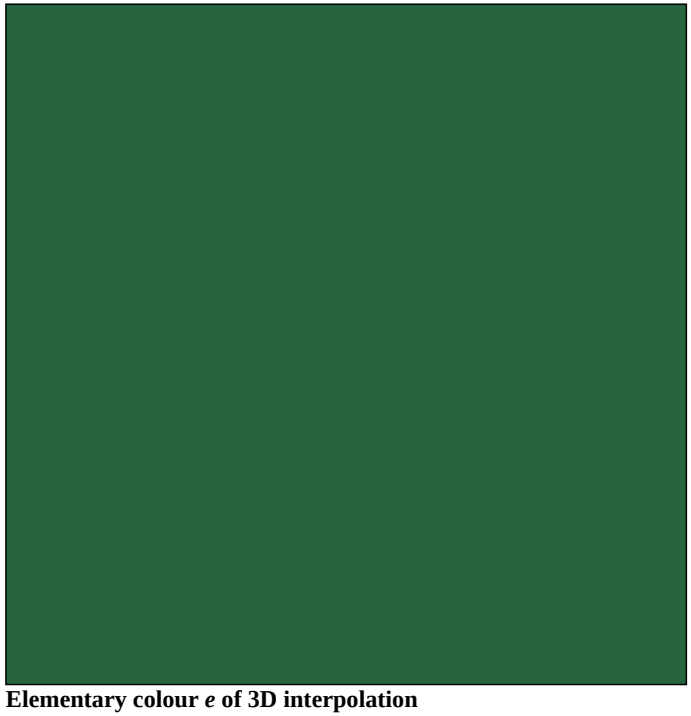
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.375	0.0	0.0	0.375	0.29	0.152	0.392	0.25
$rgb^*_{Fa,\ 8bit}$	0	96	0	0	96	74	39	100	64
L^*, C^*_{ab}, h_{ab}	40.5	49.9	138.8	43.2	23.8	162.2	44.4	24.2	157.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	29.7	29.7	3D−it:	2.5	2.5	

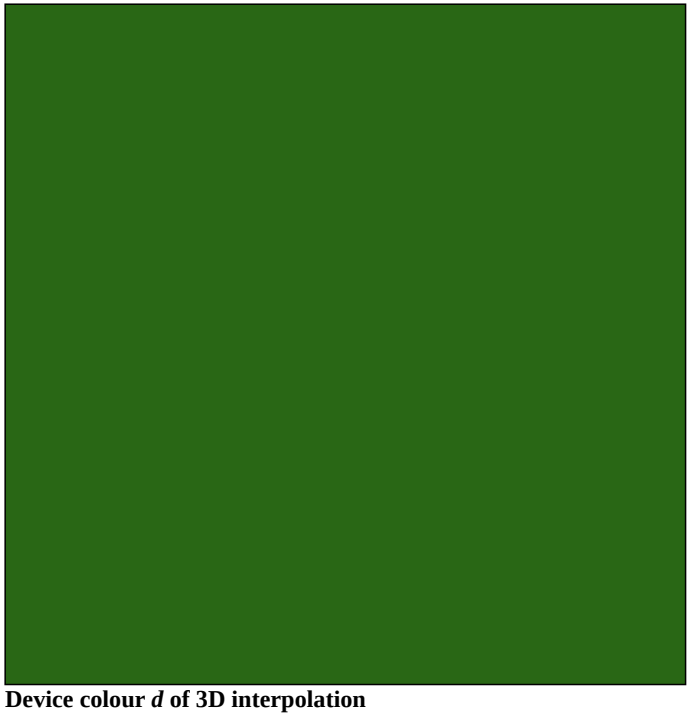
3 Colours no. *j*=968

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.375	0.0	0.159	0.375	0.0	0.159	0.402	0.083
$olv^*_{Fa,\ 8bit}$	0	96	0	41	96	0	41	102	21
L^*, C^*_{ab}, h_{ab}	40.5	49.9	138.8	43.3	41.5	132.5	45.4	41.1	124.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	10.1	10.1	3D−in:	15.0	15.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
969	0.0	0.25	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	34.7	15.9	162.2	−15.0	4.9	0.75	0.25	j99g	l77c		0.0	1.0	0.774	0.0	0.25	0.194
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
969	0.0	0.25	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	34.7	27.7	132.5	−18.6	20.4	0.75	0.25	j57g	y100l		0.425	1.0	0.0	0.106	0.25	0.0

3 Colours no. *j*=969

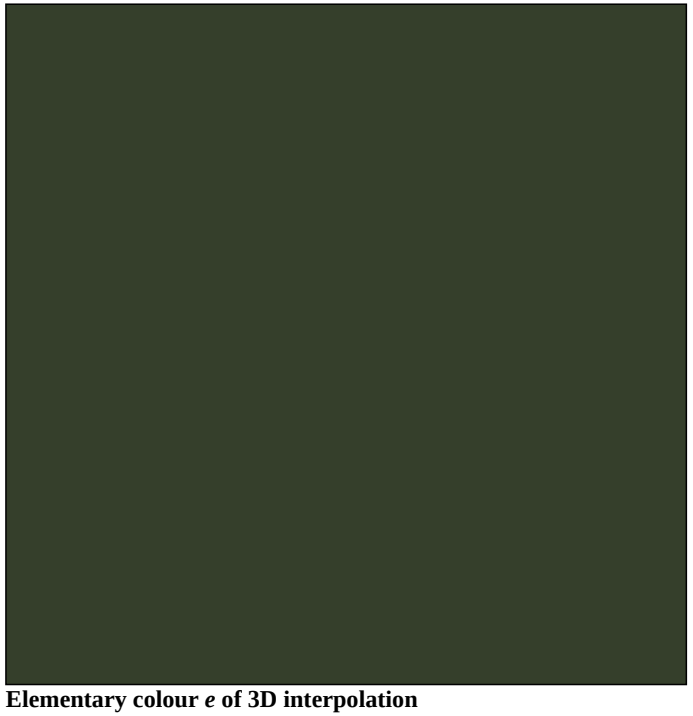
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.25	0.0	0.0	0.25	0.194	0.208	0.246	0.168
$rgb^*_{Fa,\ 8bit}$	0	64	0	0	64	49	53	63	43
L^*, C^*_{ab}, h_{ab}	32.2	33.8	140.7	34.7	15.9	162.2	43.5	15.9	151.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	20.1	20.1	3D−it:	9.3	9.3	

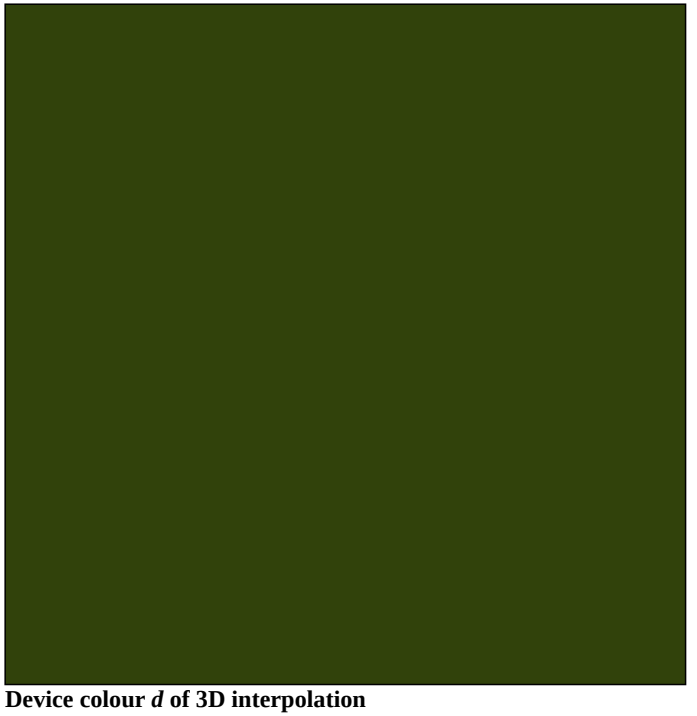
3 Colours no. *j*=969

output of the device colour *d*:

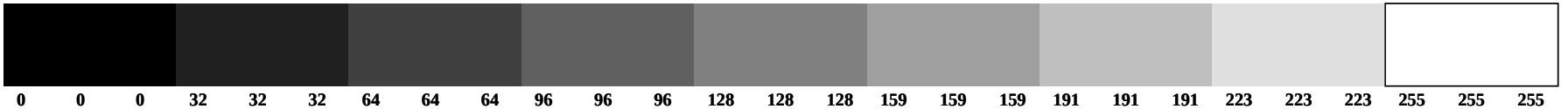
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.25	0.0	0.106	0.25	0.0	0.193	0.257	0.042
$olv^*_{Fa,\ 8bit}$	0	64	0	27	64	0	49	66	11
L^*, C^*_{ab}, h_{ab}	32.2	33.8	140.7	34.7	27.7	132.5	36.4	28.8	127.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.9	7.9	3D−in:	9.9	9.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
970	0.0	0.125	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	26.2	7.9	162.2	−7.5	2.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
970	0.0	0.125	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	26.2	13.8	132.5	−9.3	10.2

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.875	0.125	j99g	l77c		0.0	1.0	0.774	0.0	0.125	0.097
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.875	0.125	j57g	y100l		0.425	1.0	0.0	0.053	0.125	0.0

3 Colours no. *j*=970

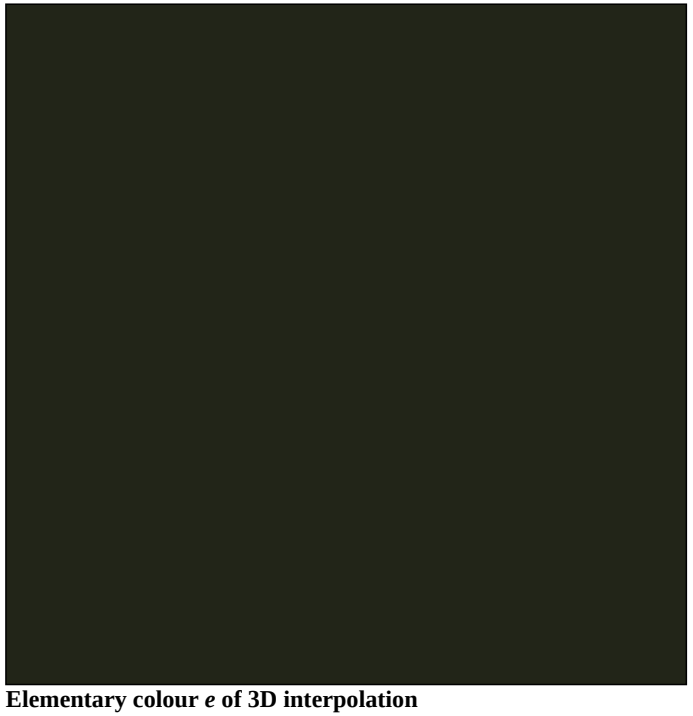
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.125	0.0	0.0	0.125	0.097	0.132	0.147	0.094
$rgb^*_{Fa,\ 8bit}$	0	32	0	0	32	25	34	38	24
L^*, C^*_{ab}, h_{ab}	22.7	12.9	142.9	26.2	7.9	162.2	29.0	10.8	122.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	7.0	7.0	3D−it:	7.5	7.5

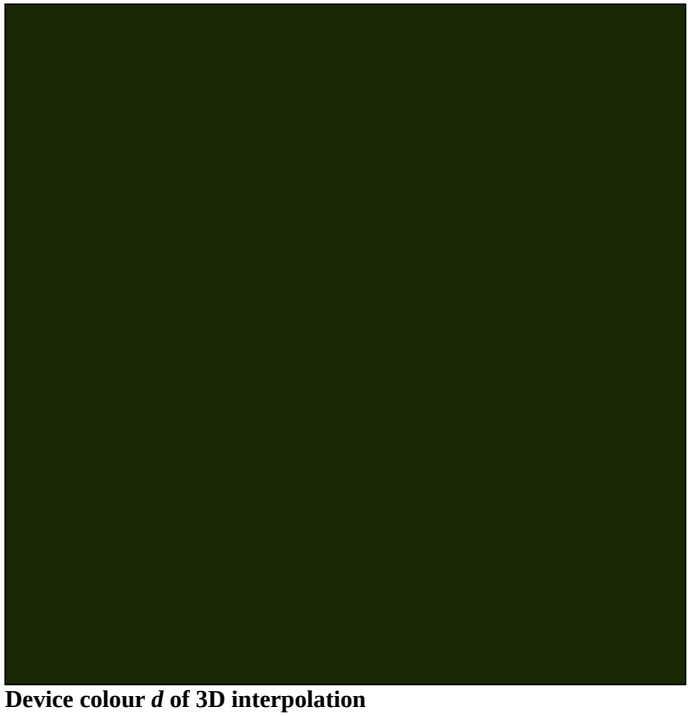
3 Colours no. *j*=970

output of the device colour *d*:

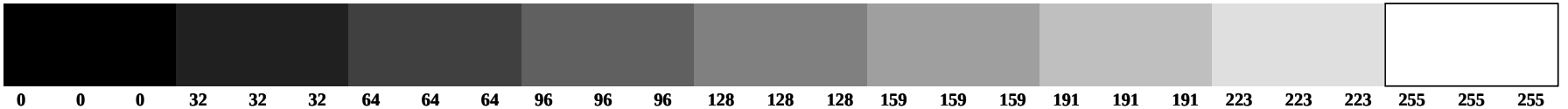
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.125	0.0	0.053	0.125	0.0	0.105	0.156	0.025
$olv^*_{Fa,\ 8bit}$	0	32	0	14	32	0	27	40	6
L^*, C^*_{ab}, h_{ab}	22.7	12.9	142.9	26.2	13.8	132.5	29.5	15.0	123.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.3	4.3	3D−in:	8.5	8.5



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
971	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
971	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=971

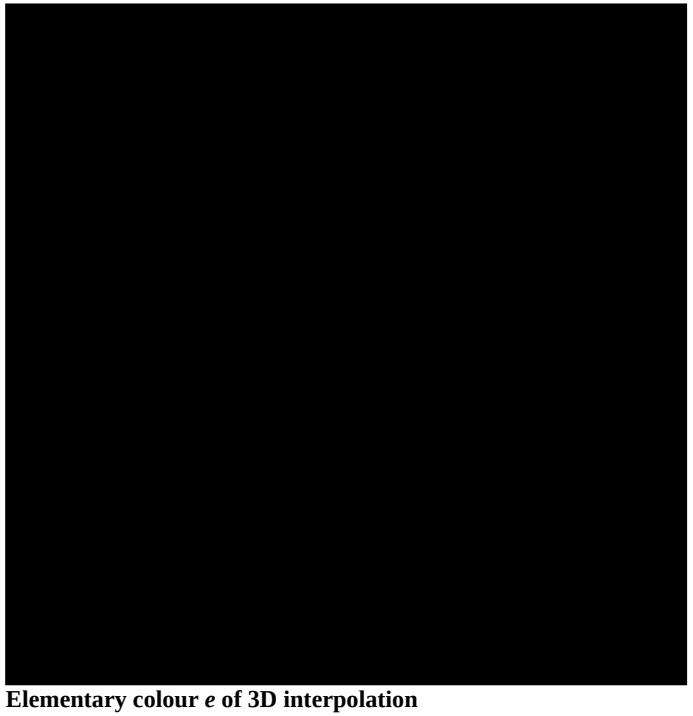
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.2	248.4	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.2	0.2	3D−it:	0.2	0.2	

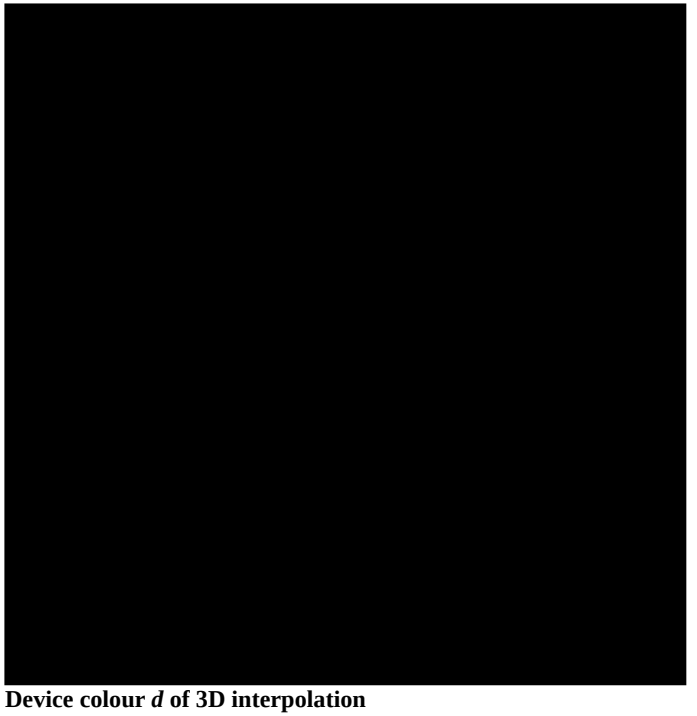
3 Colours no. *j*=971

output of the device colour *d*:

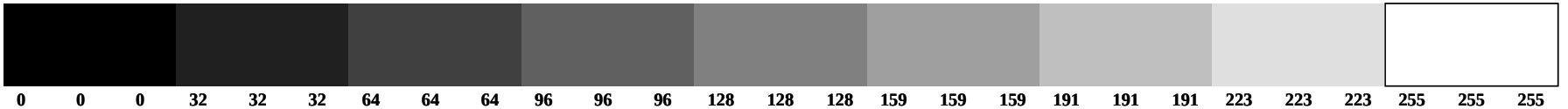
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.2	248.4	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.2	0.2	3D−in:	0.4	0.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
972	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
972	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=972

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.5	173.4	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.5	0.5	3D−it:	0.2	0.2	

3 Colours no. *j*=972

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.5	173.4	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.5	0.5	3D−in:	0.6	0.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
973	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0	0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
973	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0	0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=973

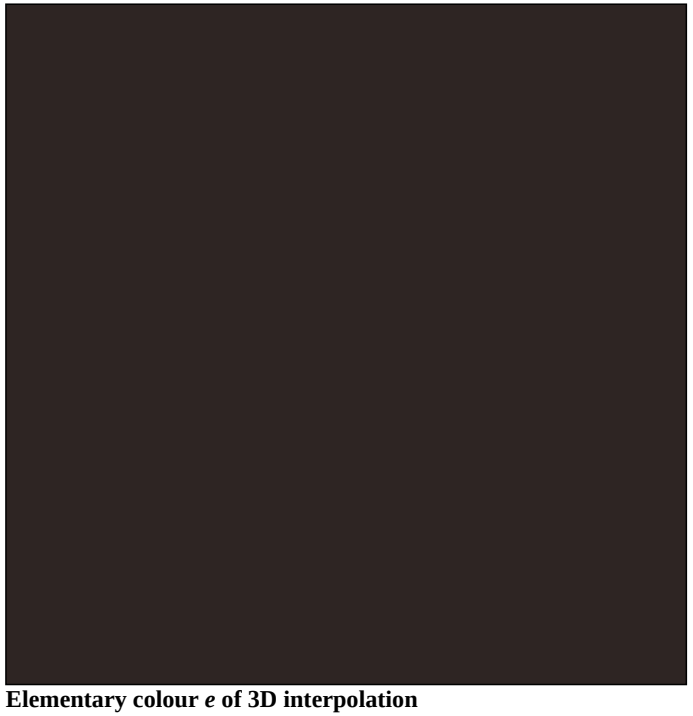
output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.2	290.3	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−it:	3.4	3.4	

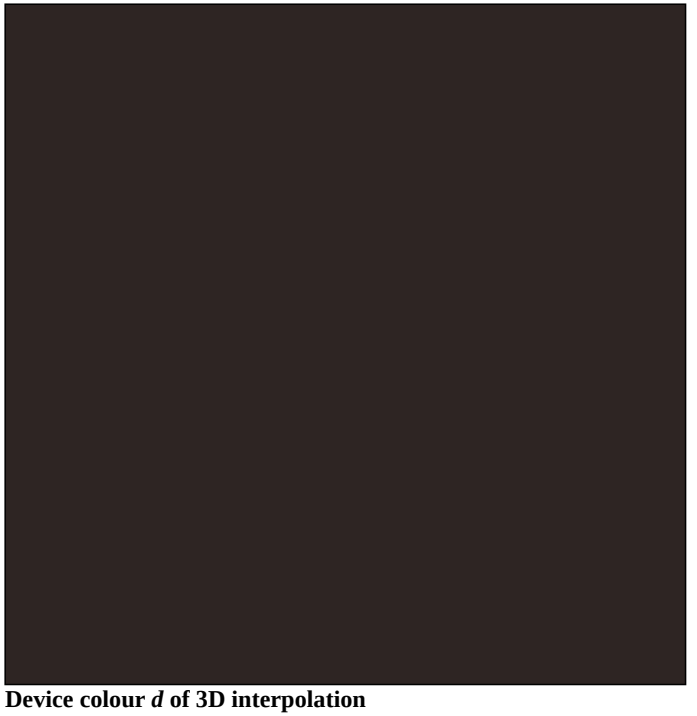
3 Colours no. *j*=973

output of the device colour *d*:

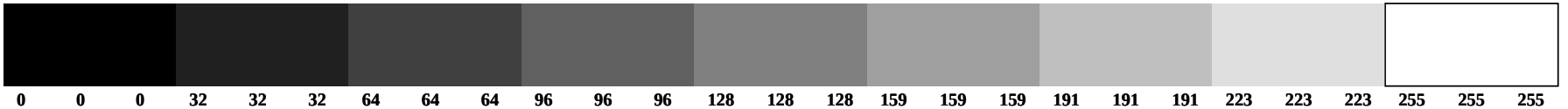
	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.2	290.3	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.6	3.6	3D−in:	6.8	6.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
974	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
974	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. *j*=974

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.3	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.7	3.7	

3 Colours no. *j*=974

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.3	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

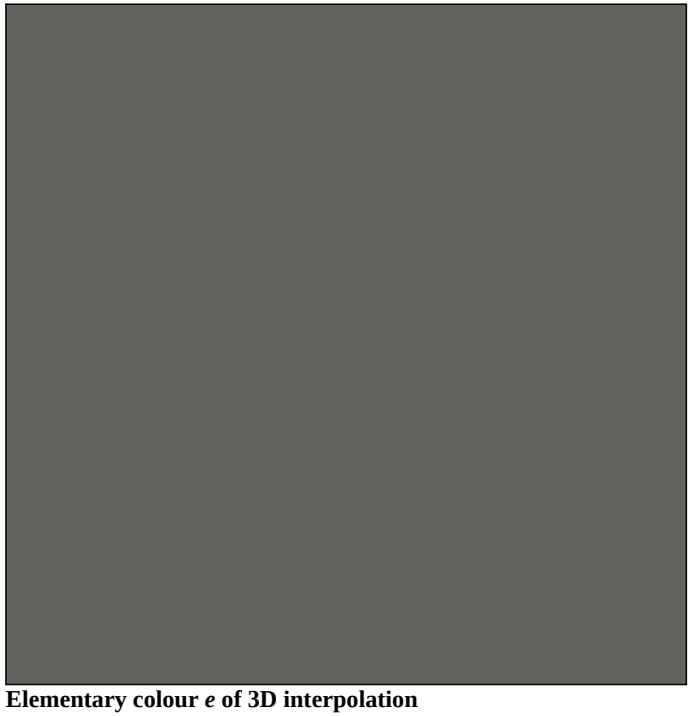
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
975	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
975	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=975

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.3	277.3	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.2	3.2	

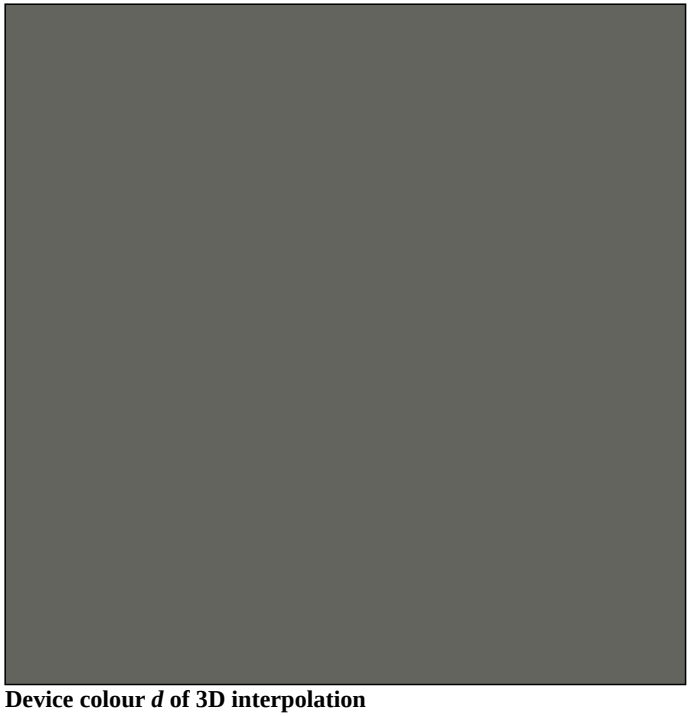


Elementary colour *e* of 3D interpolation

3 Colours no. *j*=975

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.3	277.3	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	6.6	6.6	



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
976	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
976	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=976

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.4	283.0	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	2.9	2.9	**3D−it:**	2.7	2.7	

3 Colours no. *j*=976

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.4	283.0	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	2.9	2.9	**3D−in:**	5.5	5.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
977	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
977	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=977

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.5	315.1	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	3.4	3.4	

3 Colours no. *j*=977

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.5	315.1	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

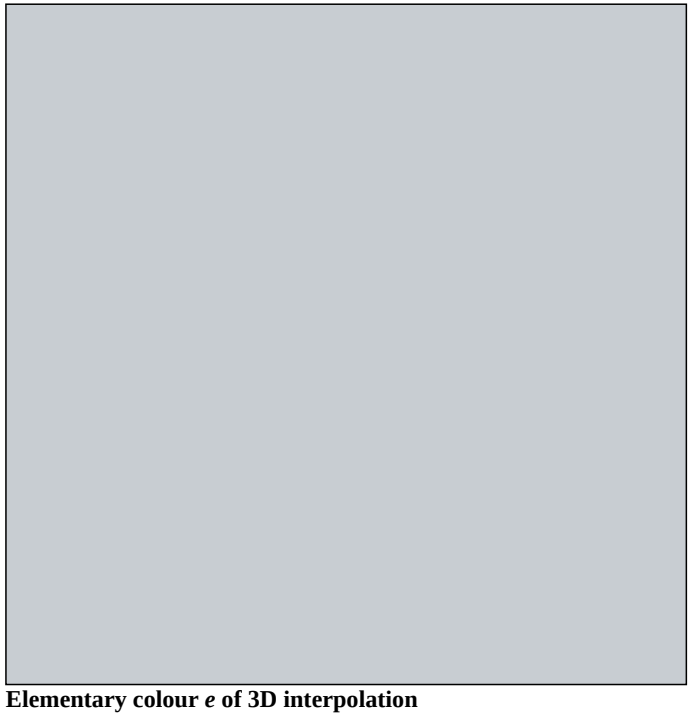
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
978	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
978	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. *j*=978

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.5	48.9	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.4	4.4	

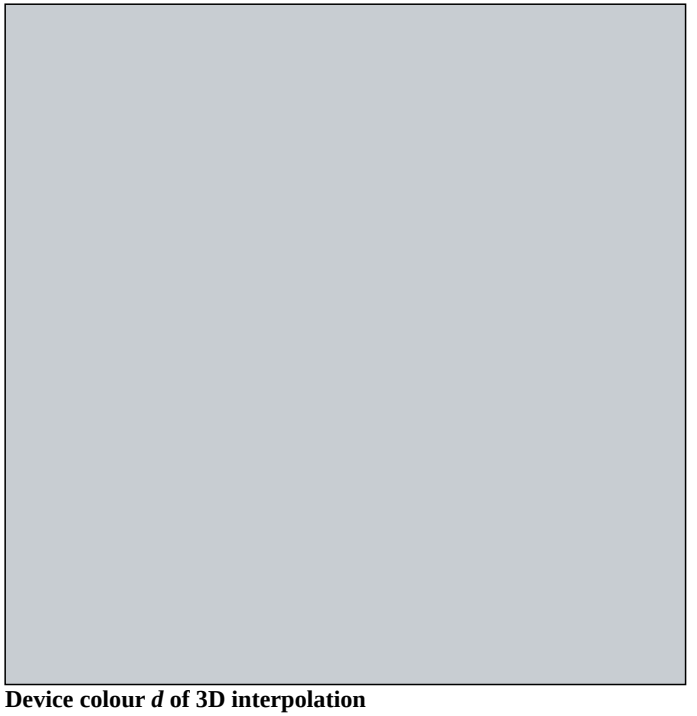


Elementary colour *e* of 3D interpolation

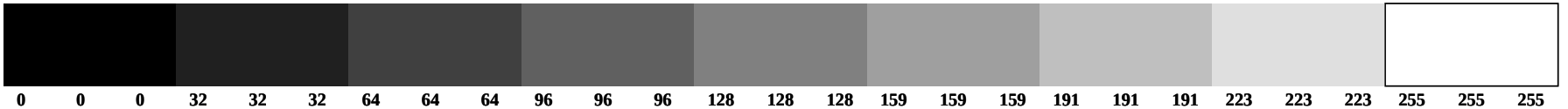
3 Colours no. *j*=978

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.5	48.9	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	8.0	8.0	



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
979	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
979	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=979

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	89.4	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.4	5.4	3D−it:	5.6	5.6

3 Colours no. *j*=979

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	89.4	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.4	5.4	3D−in:	8.1	8.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
980	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
980	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=980

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.3	0.3	

3 Colours no. *j*=980

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
981	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
981	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=981

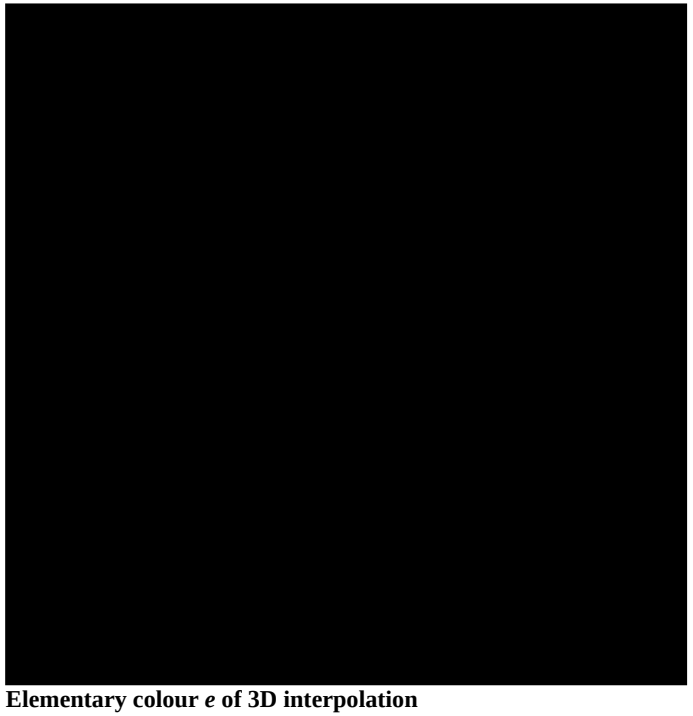
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.5	0.0	234.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	0.1	0.1	3D−it:	0.2	0.2

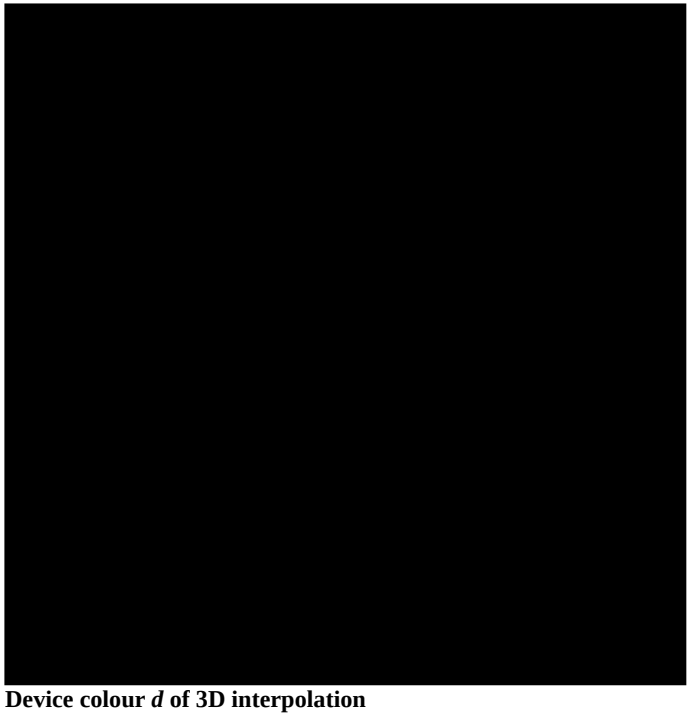
3 Colours no. *j*=981

output of the device colour *d*:

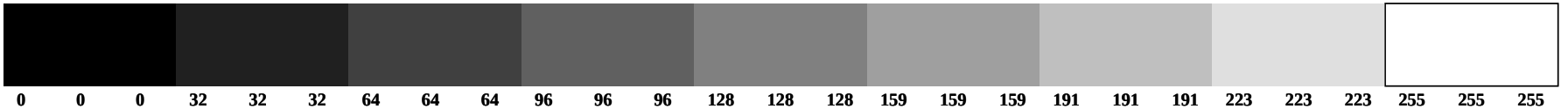
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.5	0.0	234.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	0.1	0.1	3D−in:	0.2	0.2



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
982	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
982	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=982

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.1	288.1	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.4	3.4	

3 Colours no. *j*=982

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.1	288.1	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.8	6.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
983	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
983	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. *j*=983

output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.6	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.7	3.7	

3 Colours no. *j*=983

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.6	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
984	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
984	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=984

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.4	278.0	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.2	3.2	

3 Colours no. *j*=984

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.4	278.0	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.7	6.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
985	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
985	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=985

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	284.1	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−it:	2.7	2.7	

3 Colours no. *j*=985

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	284.1	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−in:	5.6	5.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
986	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
986	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=986

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.5	314.2	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	3.4	3.4	

3 Colours no. *j*=986

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.5	314.2	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
987	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
987	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. *j*=987

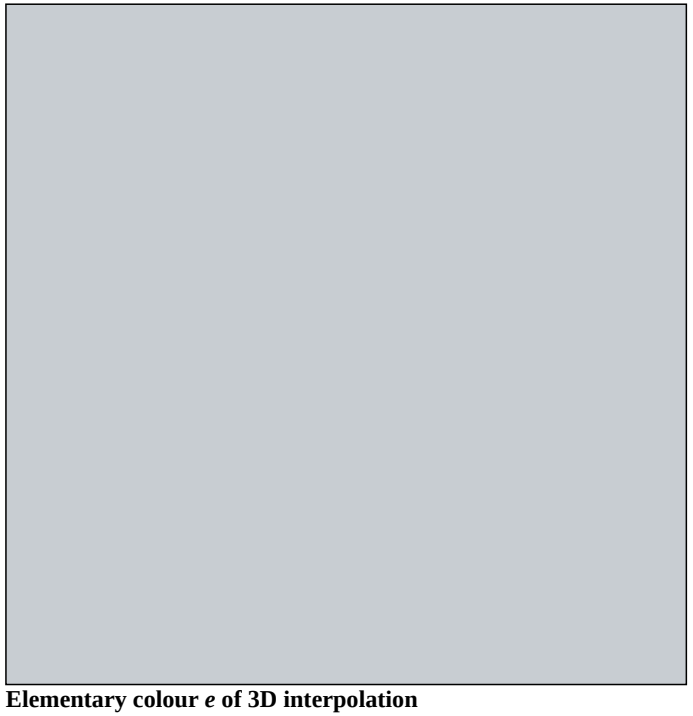
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.5	49.8	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.2	4.2	3D−it:	4.4	4.4

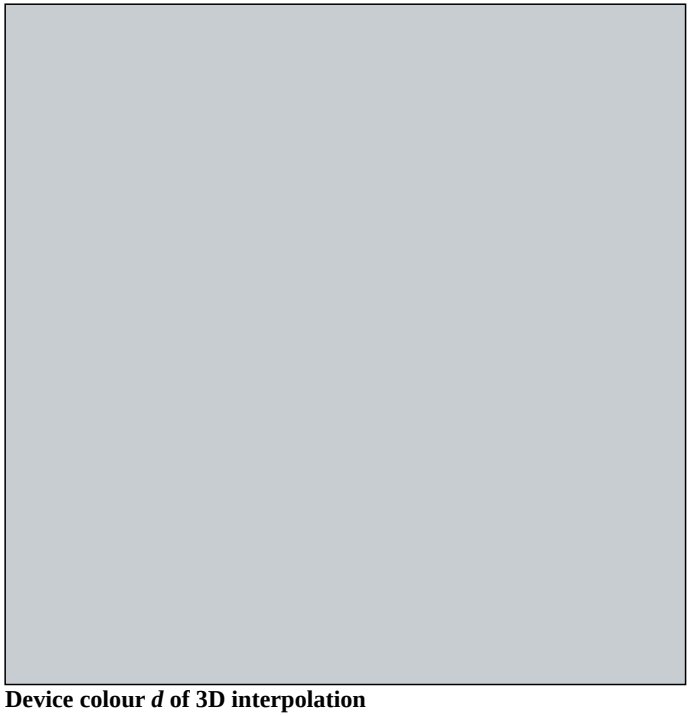
3 Colours no. *j*=987

output of the device colour *d*:

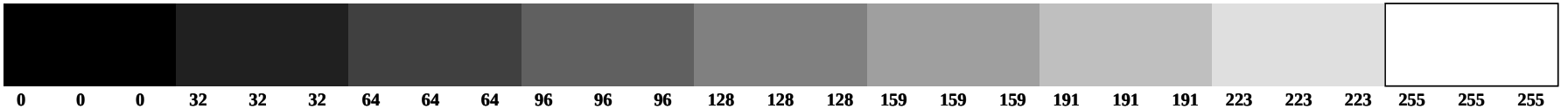
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.5	49.8	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	4.2	4.2	3D−in:	8.0	8.0



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 988/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
988	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0	0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
988	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0	0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=988

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	90.0	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	5.4	5.4	**3D−it:**	5.6	5.6	

3 Colours no. *j*=988

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	90.0	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	5.4	5.4	**3D−in:**	8.1	8.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

TUB-test chart KE99; Colorimetric systems, Page 989/1080
1080 colours for output linearisation: 1080 standard colours

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
989	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
989	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=989

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.3	0.3	

3 Colours no. *j*=989

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
990	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
990	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=990

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−it:	0.2	0.2	

3 Colours no. *j*=990

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
991	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
991	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=991

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.5	2.3	289.9	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	3.4	3.4	

3 Colours no. *j*=991

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.5	2.3	289.9	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	6.9	6.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
992	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
992	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. *j*=992

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.6	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.7	3.7	

3 Colours no. *j*=992

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.6	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
993	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
993	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=993

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.3	275.5	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.2	3.2	

3 Colours no. *j*=993

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.3	275.5	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	6.6	6.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
994	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
994	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=994

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	283.4	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−it:	2.7	2.7	

3 Colours no. *j*=994

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	283.4	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−in:	5.6	5.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
995	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
995	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=995

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.4	313.8	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	3.4	3.4	

3 Colours no. *j*=995

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.4	313.8	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
996	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
996	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. *j*=996

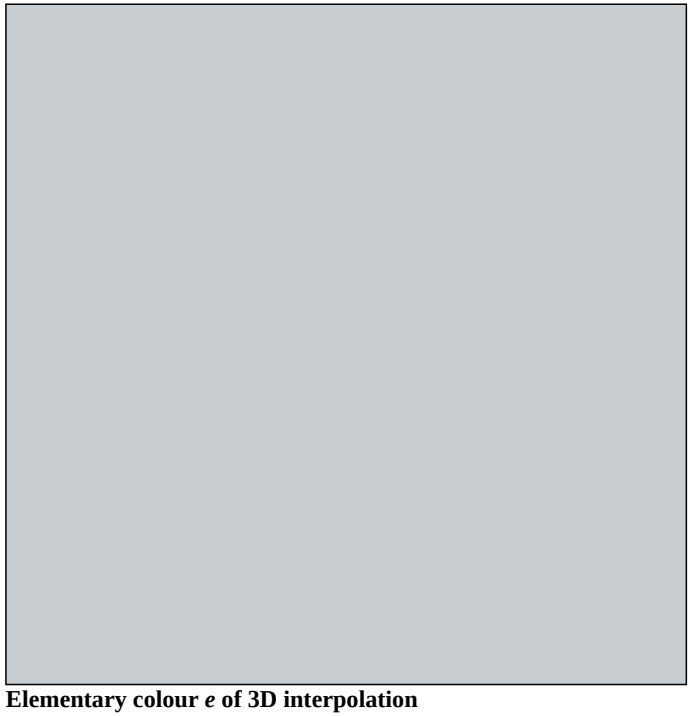
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.5	49.8	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.4	4.4	

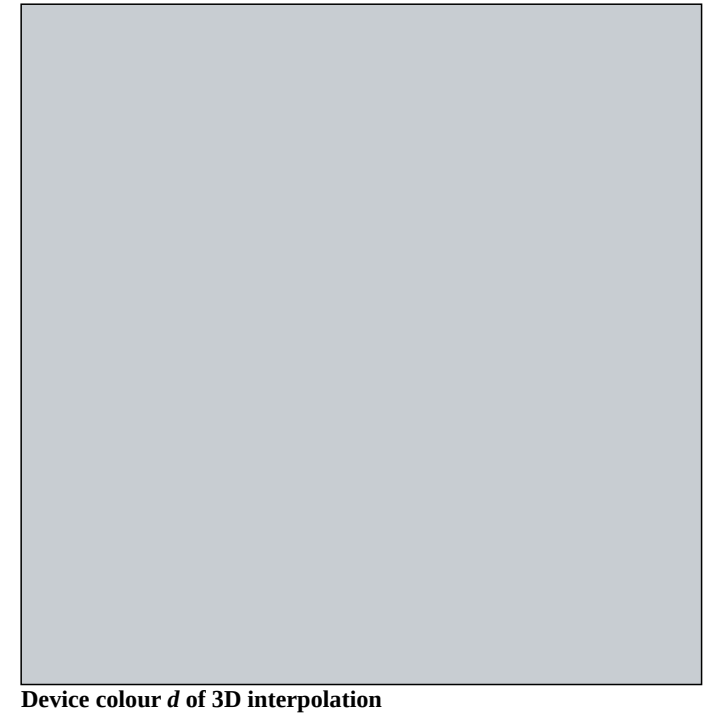
3 Colours no. *j*=996

output of the device colour *d*:

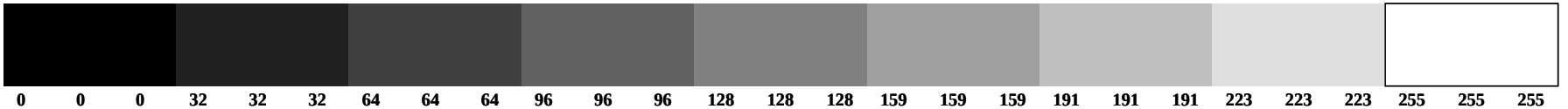
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.5	49.8	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	8.0	8.0	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
997	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0	0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
997	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0	0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=997

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	88.7	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−it:	5.6	5.6	

3 Colours no. *j*=997

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	88.7	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−in:	8.1	8.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
998	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
998	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=998

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	86.5	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.3	0.3	

3 Colours no. *j*=998

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	86.5	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
999	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
999	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=999

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−it:	0.2	0.2	

3 Colours no. *j*=999

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1000	0.125	0.125	0.125	0.0	53.9	78.2	357.0	78.1	−3.9	27.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1000	0.125	0.125	0.125	0.0	53.4	76.6	2.4	76.5	3.2	27.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.875	0.0	b75r	m47o		1.0	0.0	0.529	0.125	0.125	0.125
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.875	0.0	b79r	m50o		1.0	0.0	0.406	0.125	0.125	0.125

3 Colours no. *j*=1000

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$rgb^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.0	293.2	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	3.4	3.4	

3 Colours no. *j*=1000

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.125	0.125	0.125	0.125	0.125	0.125	0.181	0.146	0.136
$olv^*_{Fa,\ 8bit}$	32	32	32	32	32	32	46	37	35
L^*, C^*_{ab}, h_{ab}	24.6	2.0	293.2	27.4	0.0	0.0	30.2	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	6.7	6.7	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1001	0.25	0.25	0.25	0.0	53.9	78.2	357.0	78.1	−3.9	37.1	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1001	0.25	0.25	0.25	0.0	53.4	76.6	2.4	76.5	3.2	37.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.75	0.0	b75r	m47o		1.0	0.0	0.529	0.25	0.25	0.25
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.75	0.0	b79r	m50o		1.0	0.0	0.406	0.25	0.25	0.25

3 Colours no. j=1001

output of the elementary colour e:

rgb input (in):									
	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.3	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.7	3.7	

3 Colours no. j=1001

output of the device colour d:

rgb input (in):									
	0.25	0.25	0.25	0.25	0.25	0.25	0.269	0.263	0.238
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	64	64	64	64	64	64	69	67	61
L^*, C^*_{ab}, h_{ab}	36.1	3.8	282.3	37.1	0.0	0.0	38.0	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1002	0.375	0.375	0.375	0.0	53.9	78.2	357.0	78.1	−3.9	46.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1002	0.375	0.375	0.375	0.0	53.4	76.6	2.4	76.5	3.2	46.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.625	0.0	b75r	m47o		1.0	0.0	0.529	0.375	0.375	0.375
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.625	0.0	b79r	m50o		1.0	0.0	0.406	0.375	0.375	0.375

3 Colours no. *j*=1002

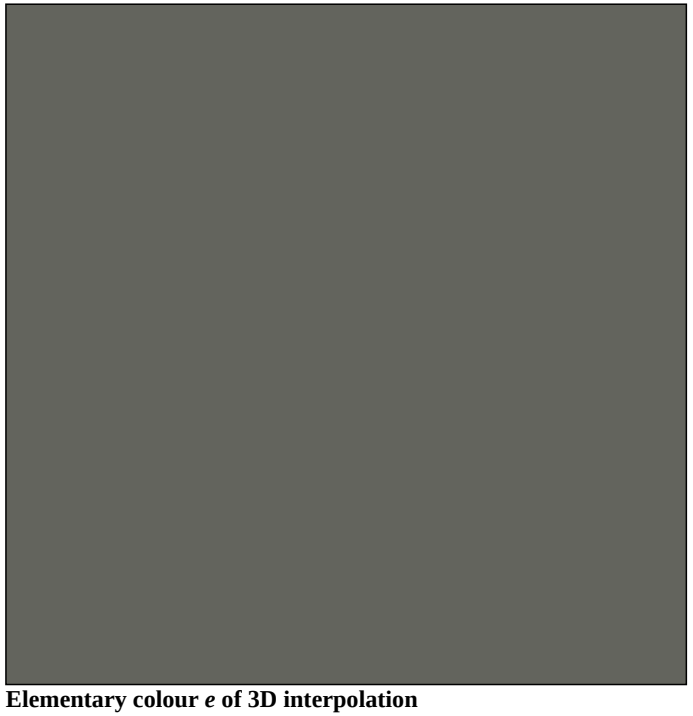
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$rgb^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.3	276.3	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	3.2	3.2	

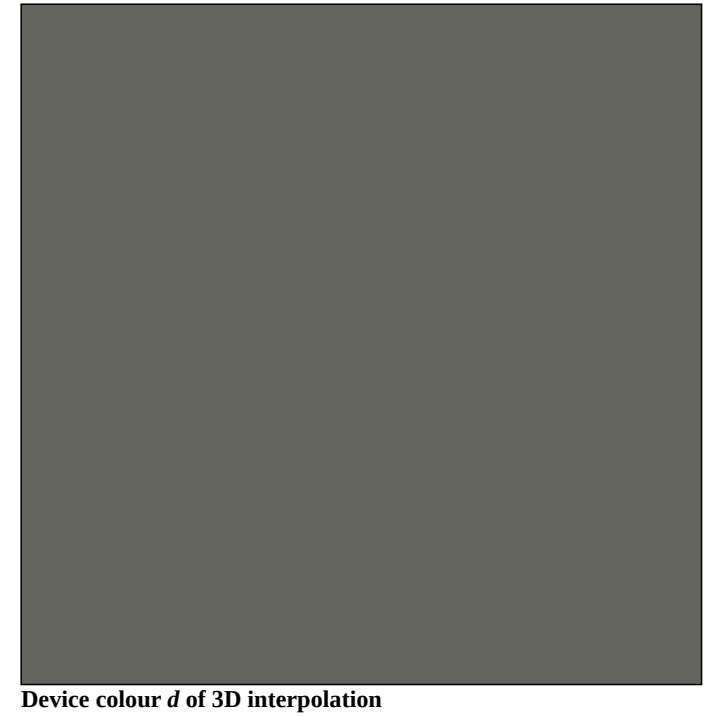
3 Colours no. *j*=1002

output of the device colour *d*:

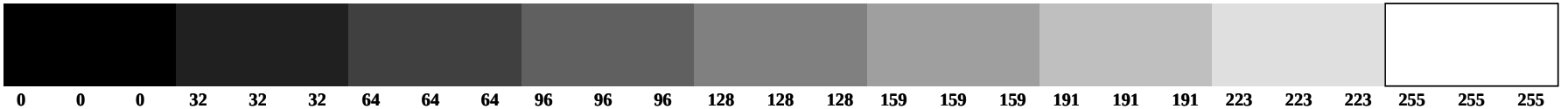
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.375	0.375	0.375	0.375	0.375	0.375	0.39	0.391	0.365
$olv^*_{Fa,\ 8bit}$	96	96	96	96	96	96	99	100	93
L^*, C^*_{ab}, h_{ab}	45.9	3.3	276.3	46.8	0.0	0.0	47.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	6.7	6.7	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1003	0.5	0.5	0.5	0.0	53.9	78.2	357.0	78.1	−3.9	56.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1003	0.5	0.5	0.5	0.0	53.4	76.6	2.4	76.5	3.2	56.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.5	0.0	b75r	m47o		1.0	0.0	0.529	0.5	0.5	0.5
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.5	0.0	b79r	m50o		1.0	0.0	0.406	0.5	0.5	0.5

3 Colours no. *j*=1003

output of the elementary colour *e*:

rgb input (in):									
rgb^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$rgb^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	281.9	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−it:	2.7	2.7	

linear interpolation (it): | 3D interpolation (3D):

3 Colours no. *j*=1003

output of the device colour *d*:

rgb input (in):									
olv^*_{Fa}	0.5	0.5	0.5	0.5	0.5	0.5	0.526	0.526	0.507
$olv^*_{Fa,\ 8bit}$	128	128	128	128	128	128	134	134	129
L^*, C^*_{ab}, h_{ab}	54.9	2.5	281.9	56.5	0.0	0.0	58.2	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−in:	5.6	5.6	

linear interpolation (it): | 3D interpolation (3D):

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1004	0.625	0.625	0.625	0.0	53.9	78.2	357.0	78.1	−3.9	66.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1004	0.625	0.625	0.625	0.0	53.4	76.6	2.4	76.5	3.2	66.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.375	0.0	b75r	m47o		1.0	0.0	0.529	0.625	0.625	0.625
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.375	0.0	b79r	m50o		1.0	0.0	0.406	0.625	0.625	0.625

3 Colours no. *j*=1004

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$rgb^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.4	313.8	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	3.4	3.4	

3 Colours no. *j*=1004

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.625	0.625	0.625	0.625	0.625	0.625	0.656	0.67	0.667
$olv^*_{Fa,\ 8bit}$	159	159	159	159	159	159	167	171	170
L^*, C^*_{ab}, h_{ab}	63.3	1.4	313.8	66.3	0.0	0.0	69.4	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.4	6.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1005	0.75	0.75	0.75	0.0	53.9	78.2	357.0	78.1	−3.9	76.0	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1005	0.75	0.75	0.75	0.0	53.4	76.6	2.4	76.5	3.2	76.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.25	0.0	b75r	m47o		1.0	0.0	0.529	0.75	0.75	0.75
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.25	0.0	b79r	m50o		1.0	0.0	0.406	0.75	0.75	0.75

3 Colours no. j=1005

output of the elementary colour e:

rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
rgb^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$rgb^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.6	48.1	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−it:	4.4	4.4	

3 Colours no. j=1005

output of the device colour d:

rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
olv^*_{Fa}	0.75	0.75	0.75	0.75	0.75	0.75	0.784	0.804	0.824
$olv^*_{Fa,\ 8bit}$	191	191	191	191	191	191	200	205	210
L^*, C^*_{ab}, h_{ab}	72.0	1.6	48.1	76.0	0.0	0.0	80.1	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.2	4.2	3D−in:	8.0	8.0	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1006	0.875	0.875	0.875	0.0	53.9	78.2	357.0	78.1	−3.9	85.7	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1006	0.875	0.875	0.875	0.0	53.4	76.6	2.4	76.5	3.2	85.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.125	0.0	b75r	m47o		1.0	0.0	0.529	0.875	0.875	0.875
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.125	0.0	b79r	m50o		1.0	0.0	0.406	0.875	0.875	0.875

3 Colours no. *j*=1006

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$rgb^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	89.4	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−it:	5.6	5.6	

3 Colours no. *j*=1006

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.875	0.875	0.875	0.875	0.875	0.875	0.898	0.911	0.924
$olv^*_{Fa,\ 8bit}$	223	223	223	223	223	223	229	232	236
L^*, C^*_{ab}, h_{ab}	81.7	3.6	89.4	85.7	0.0	0.0	89.8	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.4	5.4	3D−in:	8.1	8.1	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1007	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1007	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=1007

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.0	0.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−it:	0.3	0.3	

3 Colours no. *j*=1007

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.0	0.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−in:	0.3	0.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb	−> $rgb^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1008	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0	1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n_{rgb}	rgb	−> $olv^*_{3Fa,in}$		h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1008	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0	1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. j=1008

output of the elementary colour e:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.5	0.0	234.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.2	0.2	

3 Colours no. j=1008

output of the device colour d:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.5	0.0	234.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1009	0.066	0.066	0.066	0.0	53.9	78.2	357.0	78.1	−3.9	22.8	0.0	357.0	0.0	0.0	0.934	0.0	b75r	m47o		1.0	0.0	0.529	0.066	0.066	0.066
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1009	0.066	0.066	0.066	0.0	53.4	76.6	2.4	76.5	3.2	22.8	0.0	2.4	0.0	0.0	0.934	0.0	b79r	m50o		1.0	0.0	0.406	0.066	0.066	0.066

3 Colours no. *j*=1009

output of the elementary colour *e*:

rgb input (in):									
	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.0	0.4	333.8	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−it:	2.7	2.7	

	linear interpolation (it):			3D interpolation (3D):		
	0.066	0.066	0.066	0.088	0.092	0.079
$rgb^*_{Fa,\ 8bit}$	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	22.8	0.0	0.0	24.6	2.0	71.2
	it−in:	3.8	3.8	3D−in:	6.0	6.0

3 Colours no. *j*=1009

output of the device colour *d*:

rgb input (in):									
	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.0	0.4	333.8	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	6.0	6.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1010	0.133	0.133	0.133	0.0	53.9	78.2	357.0	78.1	−3.9	28.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1010	0.133	0.133	0.133	0.0	53.4	76.6	2.4	76.5	3.2	28.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.867	0.0	b75r	m47o		1.0	0.0	0.529	0.133	0.133	0.133
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.867	0.0	b79r	m50o		1.0	0.0	0.406	0.133	0.133	0.133

3 Colours no. *j*=1010

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$rgb^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.2	2.6	291.5	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−it:	4.0	4.0	

3 Colours no. *j*=1010

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$olv^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.2	2.6	291.5	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1011	0.2	0.2	0.2	0.0	53.9	78.2	357.0	78.1	−3.9	33.2	0.0	357.0	0.0	0.0	0.8	0.0	b75r	m47o		1.0	0.0	0.529	0.2	0.2	0.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1011	0.2	0.2	0.2	0.0	53.4	76.6	2.4	76.5	3.2	33.2	0.0	2.4	0.0	0.0	0.8	0.0	b79r	m50o		1.0	0.0	0.406	0.2	0.2	0.2

3 Colours no. *j*=1011

output of the elementary colour *e*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
rgb^*_{Fa}	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
$rgb^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	4.0	280.2	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.1	4.1	3D−it:	4.6	4.6	

3 Colours no. *j*=1011

output of the device colour *d*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
olv^*_{Fa}	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
$olv^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	4.0	280.2	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.1	4.1	3D−in:	8.4	8.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1012	0.266	0.266	0.266	0.0	53.9	78.2	357.0	78.1	−3.9	38.3	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1012	0.266	0.266	0.266	0.0	53.4	76.6	2.4	76.5	3.2	38.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.734	0.0	b75r	m47o		1.0	0.0	0.529	0.266	0.266	0.266
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.734	0.0	b79r	m50o		1.0	0.0	0.406	0.266	0.266	0.266

3 Colours no. *j*=1012

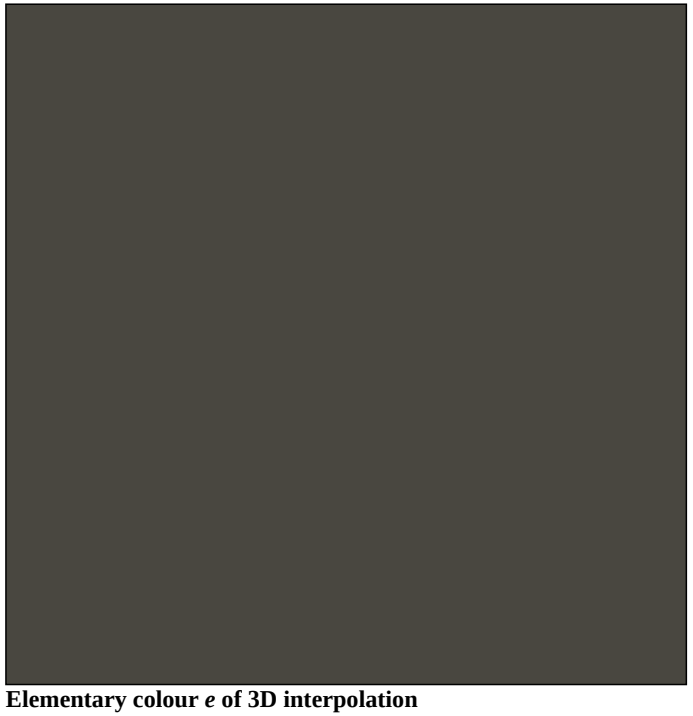
output of the elementary colour *e*:

***rgb* input (in):**				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$rgb^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.2	283.7	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	4.2	4.2	

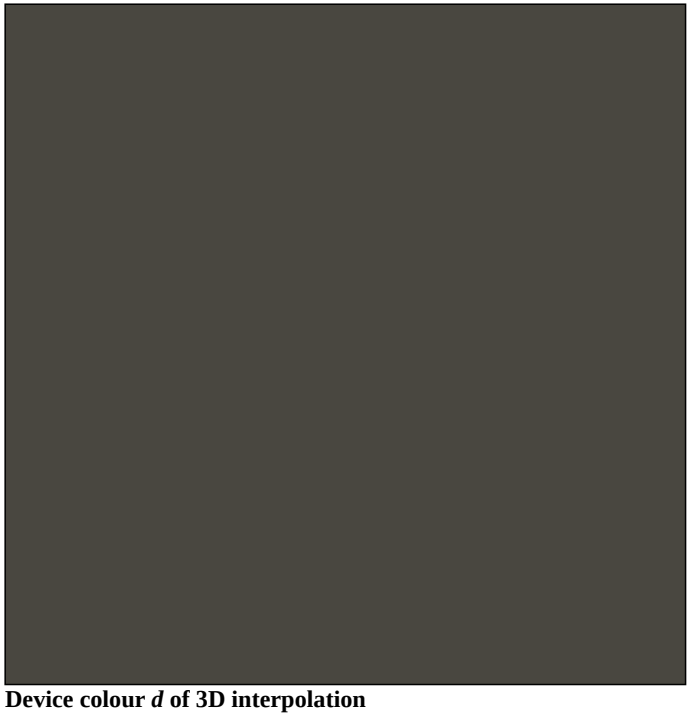
3 Colours no. *j*=1012

output of the device colour *d*:

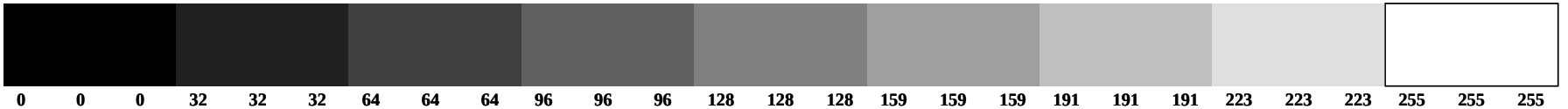
***rgb* input (in):**			**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$olv^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.2	283.7	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	7.4	7.4	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1013	0.333	0.333	0.333	0.0	53.9	78.2	357.0	78.1	−3.9	43.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1013	0.333	0.333	0.333	0.0	53.4	76.6	2.4	76.5	3.2	43.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.667	0.0	b75r	m47o		1.0	0.0	0.529	0.333	0.333	0.333
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.667	0.0	b79r	m50o		1.0	0.0	0.406	0.333	0.333	0.333

3 Colours no. *j*=1013

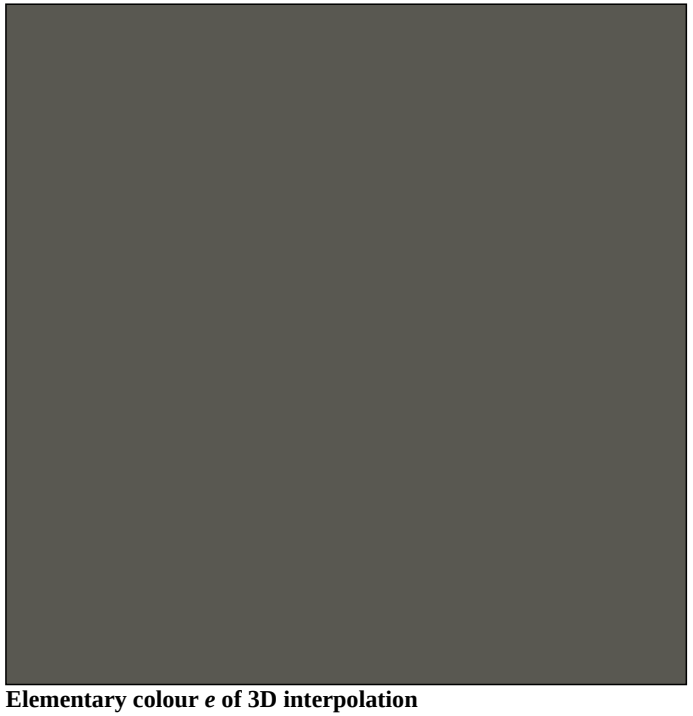
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$rgb^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.7	286.6	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−it:	3.8	3.8	

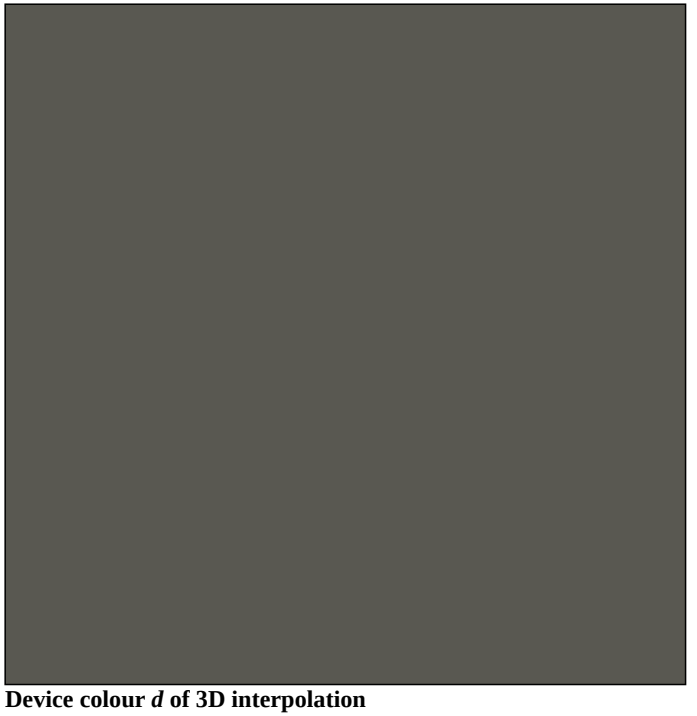
3 Colours no. *j*=1013

output of the device colour *d*:

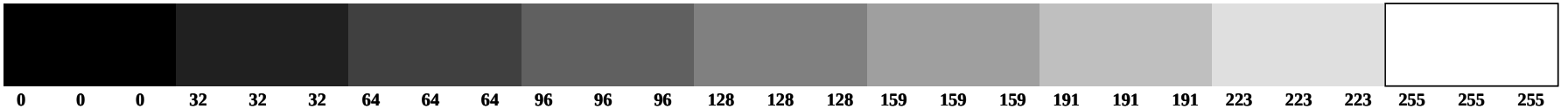
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$olv^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.7	286.6	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	7.5	7.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1014	0.4	0.4	0.4	0.0	53.9	78.2	357.0	78.1	−3.9	48.8	0.0	357.0	0.0	0.0	0.6	0.0	b75r	m47o		1.0	0.0	0.529	0.4	0.4	0.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1014	0.4	0.4	0.4	0.0	53.4	76.6	2.4	76.5	3.2	48.8	0.0	2.4	0.0	0.0	0.6	0.0	b79r	m50o		1.0	0.0	0.406	0.4	0.4	0.4

3 Colours no. *j*=1014

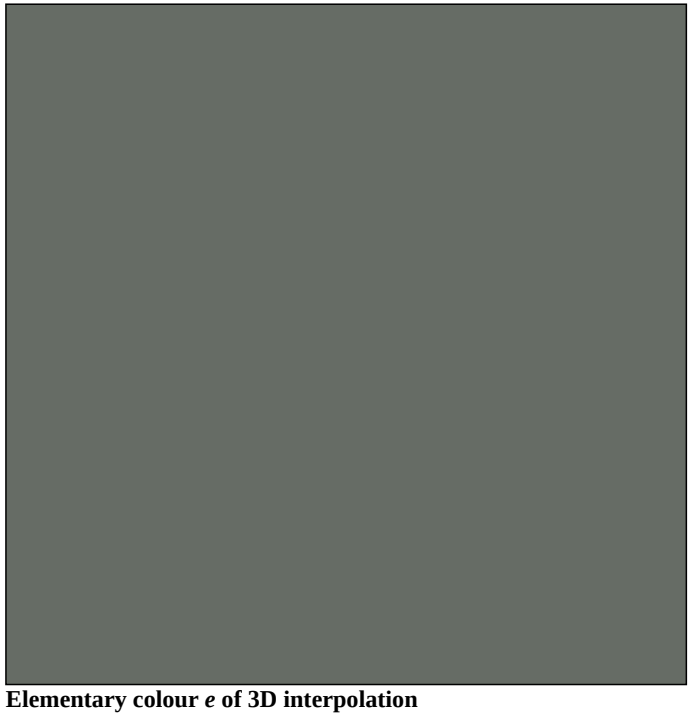
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
$rgb^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.2	280.8	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	3.5	3.5	**3D−it:**	4.2	4.2	

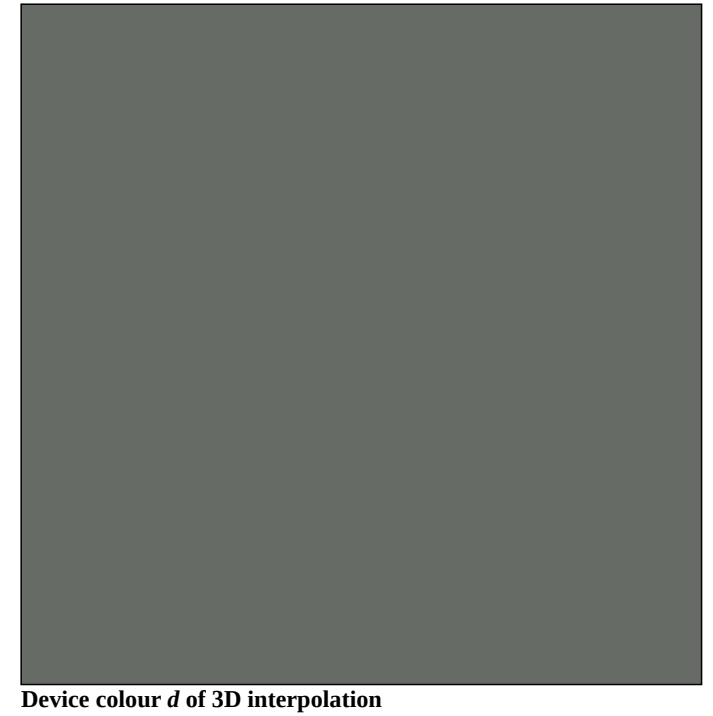
3 Colours no. *j*=1014

output of the device colour *d*:

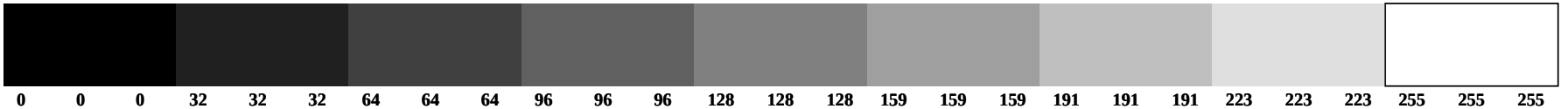
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
$olv^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.2	280.8	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	3.5	3.5	**3D−in:**	7.5	7.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1015	0.466	0.466	0.466	0.0	53.9	78.2	357.0	78.1	−3.9	53.9	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1015	0.466	0.466	0.466	0.0	53.4	76.6	2.4	76.5	3.2	53.9	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.534	0.0	b75r	m47o		1.0	0.0	0.529	0.466	0.466	0.466
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.534	0.0	b79r	m50o		1.0	0.0	0.406	0.466	0.466	0.466

3 Colours no. *j*=1015

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$rgb^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.5	2.7	279.3	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−it:	2.4	2.4	

3 Colours no. *j*=1015

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$olv^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.5	2.7	279.3	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−in:	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik
TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1016	0.533	0.533	0.533	0.0	53.9	78.2	357.0	78.1	−3.9	59.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1016	0.533	0.533	0.533	0.0	53.4	76.6	2.4	76.5	3.2	59.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.467	0.0	b75r	m47o		1.0	0.0	0.529	0.533	0.533	0.533
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.467	0.0	b79r	m50o		1.0	0.0	0.406	0.533	0.533	0.533

3 Colours no. *j*=1016

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$rgb^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.0	2.7	290.0	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	4.2	4.2	

3 Colours no. *j*=1016

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$olv^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.0	2.7	290.0	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	7.0	7.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1017	0.6	0.6	0.6	0.0	53.9	78.2	357.0	78.1	−3.9	64.3	0.0	357.0	0.0	0.0	0.4	0.0	b75r	m47o		1.0	0.0	0.529	0.6	0.6	0.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1017	0.6	0.6	0.6	0.0	53.4	76.6	2.4	76.5	3.2	64.3	0.0	2.4	0.0	0.0	0.4	0.0	b79r	m50o		1.0	0.0	0.406	0.6	0.6	0.6

3 Colours no. *j*=1017

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
$rgb^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.6	2.0	303.8	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	1.7	1.7	

3 Colours no. *j*=1017

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
$olv^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.6	2.0	303.8	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	4.6	4.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1018	0.666	0.666	0.666	0.0	53.9	78.2	357.0	78.1	−3.9	69.4	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1018	0.666	0.666	0.666	0.0	53.4	76.6	2.4	76.5	3.2	69.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.334	0.0	b75r	m47o		1.0	0.0	0.529	0.666	0.666	0.666
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.334	0.0	b79r	m50o		1.0	0.0	0.406	0.666	0.666	0.666

3 Colours no. j=1018

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$rgb^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.3	1.2	326.1	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	2.9	2.9	

3 Colours no. j=1018

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$olv^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.3	1.2	326.1	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	5.9	5.9	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1019	0.734	0.734	0.734	0.0	53.9	78.2	357.0	78.1	−3.9	74.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1019	0.734	0.734	0.734	0.0	53.4	76.6	2.4	76.5	3.2	74.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.266	0.0	b75r	m47o		1.0	0.0	0.529	0.734	0.734	0.734
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.266	0.0	b79r	m50o		1.0	0.0	0.406	0.734	0.734	0.734

3 Colours no. *j*=1019

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$rgb^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.2	30.7	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.3	3.3	

3 Colours no. *j*=1019

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$olv^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.2	30.7	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	6.6	6.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1020	0.8	0.8	0.8	0.0	53.9	78.2	357.0	78.1	−3.9	79.9	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1020	0.8	0.8	0.8	0.0	53.4	76.6	2.4	76.5	3.2	79.9	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.2	0.0	b75r	m47o		1.0	0.0	0.529	0.8	0.8	0.8
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.2	0.0	b79r	m50o		1.0	0.0	0.406	0.8	0.8	0.8

3 Colours no. *j*=1020

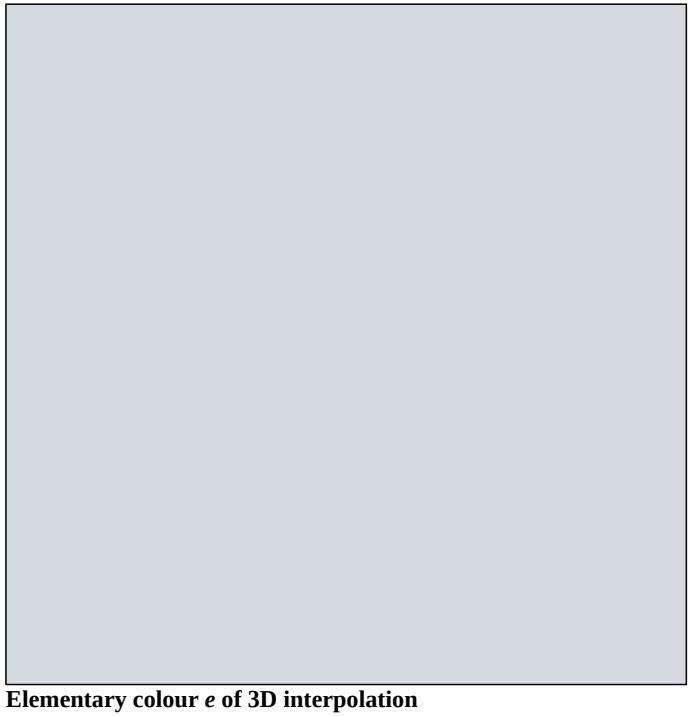
output of the elementary colour *e*:

rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	68.9	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−it:	4.1	4.1	

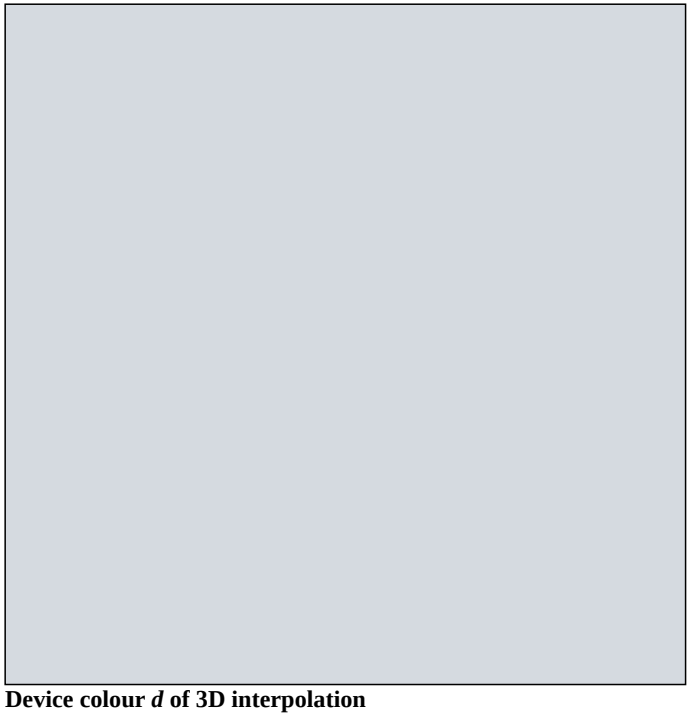
3 Colours no. *j*=1020

output of the device colour *d*:

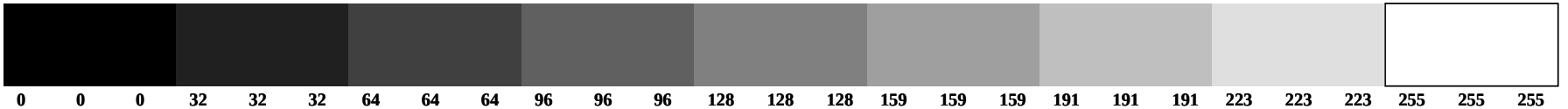
rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	68.9	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−in:	5.9	5.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1021	0.866	0.866	0.866	0.0	53.9	78.2	357.0	78.1	−3.9	85.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1021	0.866	0.866	0.866	0.0	53.4	76.6	2.4	76.5	3.2	85.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.134	0.0	b75r	m47o		1.0	0.0	0.529	0.866	0.866	0.866
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.134	0.0	b79r	m50o		1.0	0.0	0.406	0.866	0.866	0.866

3 Colours no. *j*=1021

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$rgb^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.1	3.5	83.4	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.2	5.2	3D−it:	5.1	5.1

3 Colours no. *j*=1021

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$olv^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.1	3.5	83.4	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.2	5.2	3D−in:	7.3	7.3

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1022	0.933	0.933	0.933	0.0	53.9	78.2	357.0	78.1	−3.9	90.2	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1022	0.933	0.933	0.933	0.0	53.4	76.6	2.4	76.5	3.2	90.2	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.067	0.0	b75r	m47o		1.0	0.0	0.529	0.933	0.933	0.933
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.067	0.0	b79r	m50o		1.0	0.0	0.406	0.933	0.933	0.933

3 Colours no. *j*=1022

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$rgb^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.4	92.7	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−it:	5.3	5.3	

3 Colours no. *j*=1022

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$olv^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.4	92.7	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.2	6.2	3D−in:	9.9	9.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1023	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1023	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=1023

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	0.1	0.1	**3D−it:**	0.3	0.3	

3 Colours no. *j*=1023

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.1	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	0.1	0.1	**3D−in:**	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1024	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1024	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=1024

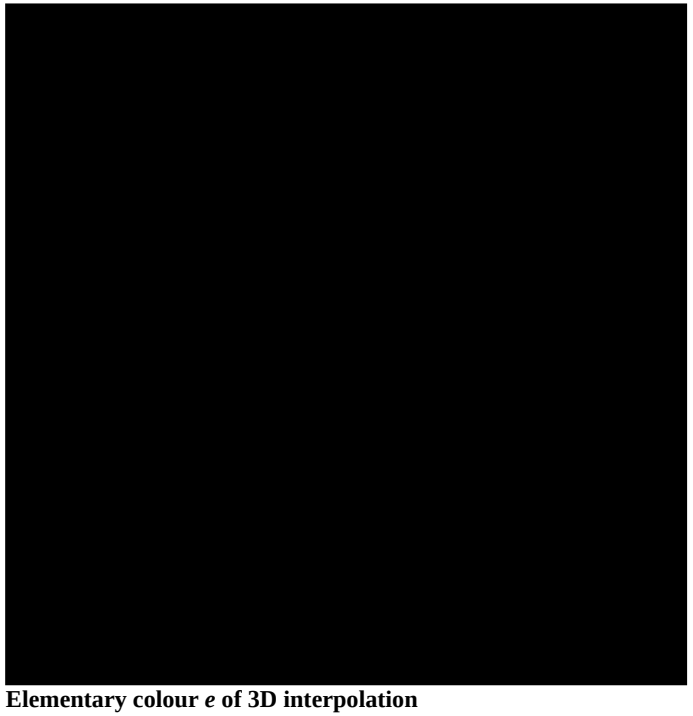
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	0.0	0.0	**3D−it:**	0.2	0.2	

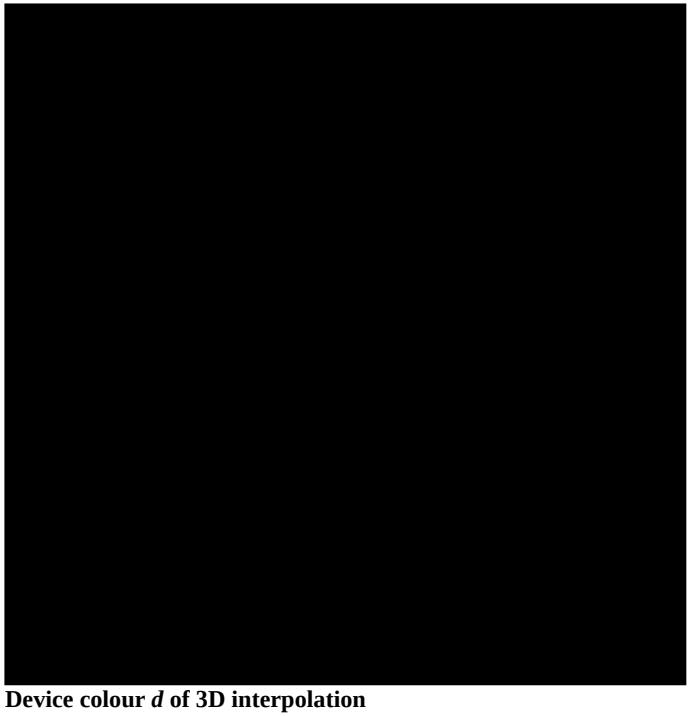
3 Colours no. *j*=1024

output of the device colour *d*:

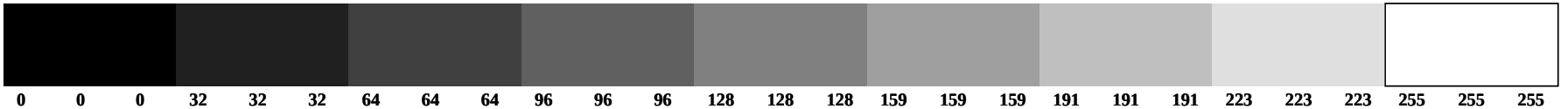
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	0.0	0.0	**3D−in:**	0.2	0.2	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1025	0.066	0.066	0.066	0.0	53.9	78.2	357.0	78.1	−3.9	22.8	0.0	357.0	0.0	0.0	0.934	0.0	b75r	m47o		1.0	0.0	0.529	0.066	0.066	0.066
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1025	0.066	0.066	0.066	0.0	53.4	76.6	2.4	76.5	3.2	22.8	0.0	2.4	0.0	0.0	0.934	0.0	b79r	m50o		1.0	0.0	0.406	0.066	0.066	0.066

3 Colours no. *j*=1025

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
$rgb^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.2	0.5	336.0	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	2.7	2.7	

3 Colours no. *j*=1025

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
$olv^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.2	0.5	336.0	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	5.8	5.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1026	0.133	0.133	0.133	0.0	53.9	78.2	357.0	78.1	−3.9	28.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1026	0.133	0.133	0.133	0.0	53.4	76.6	2.4	76.5	3.2	28.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.867	0.0	b75r	m47o		1.0	0.0	0.529	0.133	0.133	0.133
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.867	0.0	b79r	m50o		1.0	0.0	0.406	0.133	0.133	0.133

3 Colours no. *j*=1026

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$rgb^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.3	2.6	294.0	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	4.0	4.0	

3 Colours no. *j*=1026

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$olv^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.3	2.6	294.0	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	7.4	7.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1027	0.2	0.2	0.2	0.0	53.9	78.2	357.0	78.1	−3.9	33.2	0.0	357.0	0.0	0.0	0.8	0.0	b75r	m47o		1.0	0.0	0.529	0.2	0.2	0.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1027	0.2	0.2	0.2	0.0	53.4	76.6	2.4	76.5	3.2	33.2	0.0	2.4	0.0	0.0	0.8	0.0	b79r	m50o		1.0	0.0	0.406	0.2	0.2	0.2

3 Colours no. *j*=1027

output of the elementary colour *e*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	3.8	278.1	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	4.6	4.6	

3 Colours no. *j*=1027

output of the device colour *d*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	3.8	278.1	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	8.2	8.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

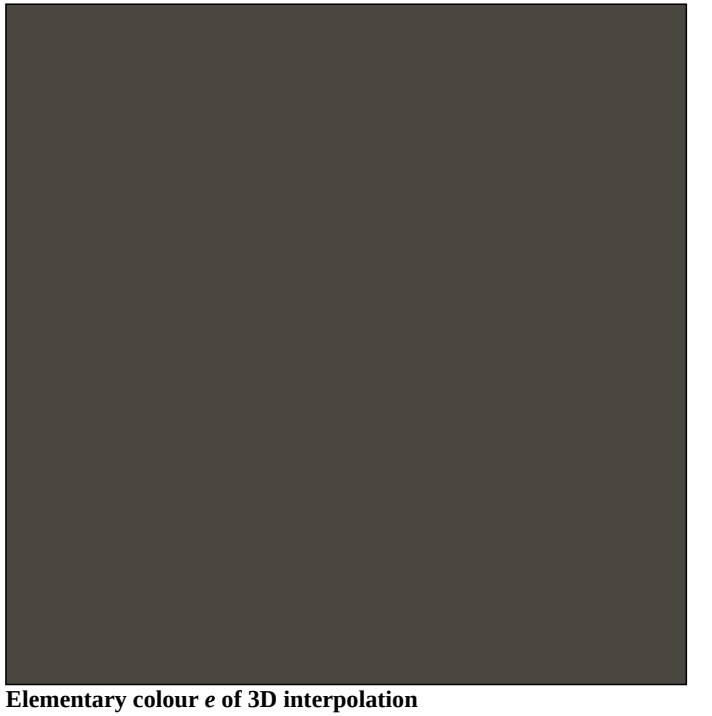
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1028	0.266	0.266	0.266	0.0	53.9	78.2	357.0	78.1	−3.9	38.3	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1028	0.266	0.266	0.266	0.0	53.4	76.6	2.4	76.5	3.2	38.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.734	0.0	b75r	m47o		1.0	0.0	0.529	0.266	0.266	0.266
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.734	0.0	b79r	m50o		1.0	0.0	0.406	0.266	0.266	0.266

3 Colours no. *j*=1028

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$rgb^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.4	285.0	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	4.2	4.2	

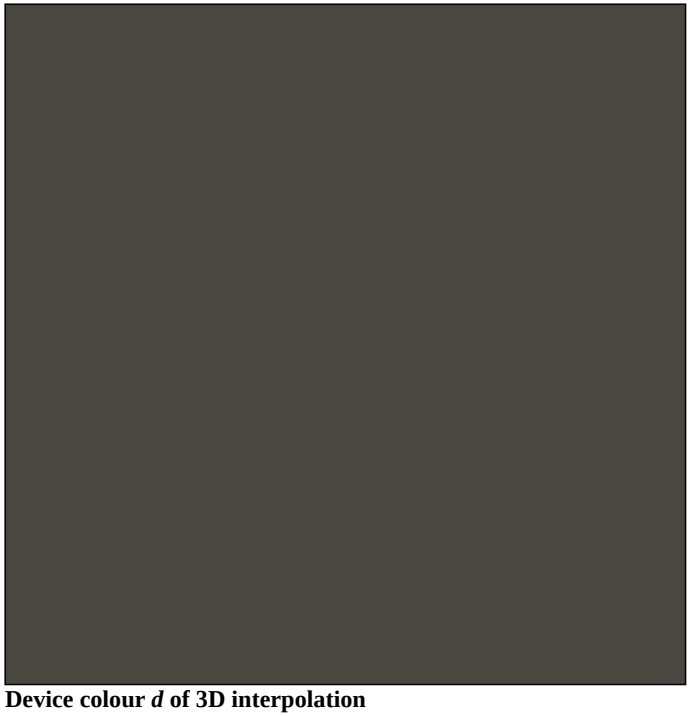


Elementary colour *e* of 3D interpolation

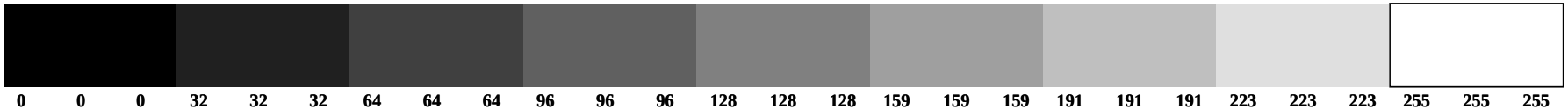
3 Colours no. *j*=1028

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$olv^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.4	285.0	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	7.5	7.5	



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1029	0.333	0.333	0.333	0.0	53.9	78.2	357.0	78.1	−3.9	43.5	0.0	357.0	0.0	0.0	0.667	0.0	b75r	m47o		1.0	0.0	0.529	0.333	0.333	0.333
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1029	0.333	0.333	0.333	0.0	53.4	76.6	2.4	76.5	3.2	43.5	0.0	2.4	0.0	0.0	0.667	0.0	b79r	m50o		1.0	0.0	0.406	0.333	0.333	0.333

3 Colours no. *j*=1029

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$rgb^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.6	282.7	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−it:	3.8	3.8	

3 Colours no. *j*=1029

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$olv^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.6	282.7	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	7.4	7.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1030	0.4	0.4	0.4	0.0	53.9	78.2	357.0	78.1	−3.9	48.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1030	0.4	0.4	0.4	0.0	53.4	76.6	2.4	76.5	3.2	48.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.6	0.0	b75r	m47o		1.0	0.0	0.529	0.4	0.4	0.4
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.6	0.0	b79r	m50o		1.0	0.0	0.406	0.4	0.4	0.4

3 Colours no. *j*=1030

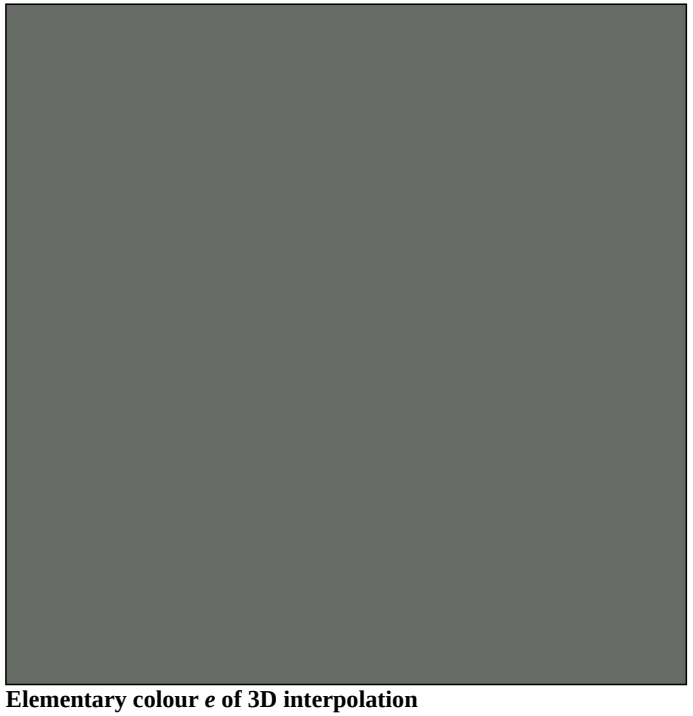
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
$rgb^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.3	281.1	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	4.2	4.2	

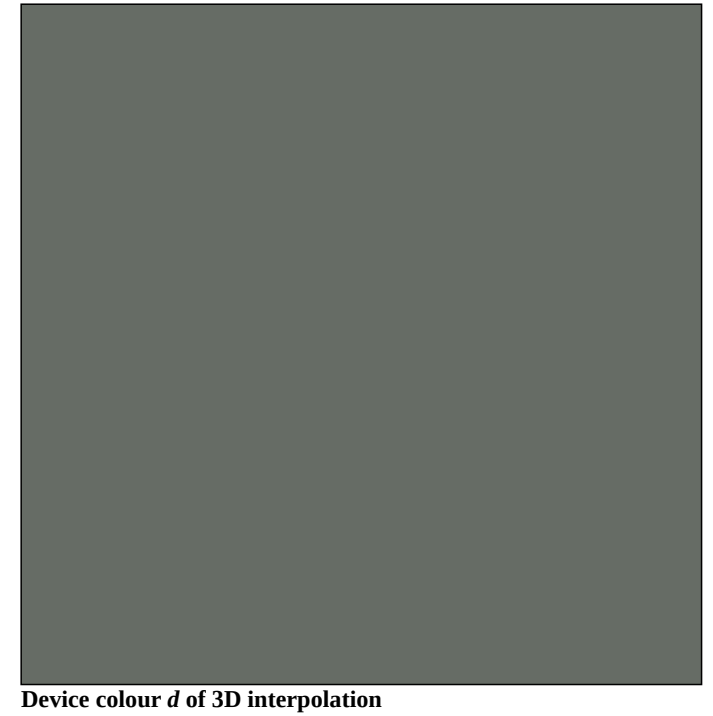
3 Colours no. *j*=1030

output of the device colour *d*:

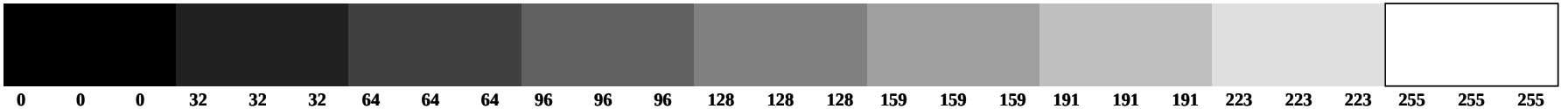
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
$olv^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.3	281.1	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	7.5	7.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1031	0.466	0.466	0.466	0.0	53.9	78.2	357.0	78.1	−3.9	53.9	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1031	0.466	0.466	0.466	0.0	53.4	76.6	2.4	76.5	3.2	53.9	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.534	0.0	b75r	m47o		1.0	0.0	0.529	0.466	0.466	0.466
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.534	0.0	b79r	m50o		1.0	0.0	0.406	0.466	0.466	0.466

3 Colours no. *j*=1031

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$rgb^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.6	2.6	281.0	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−it:	2.4	2.4	

3 Colours no. *j*=1031

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$olv^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.6	2.6	281.0	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	2.9	2.9	3D−in:	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

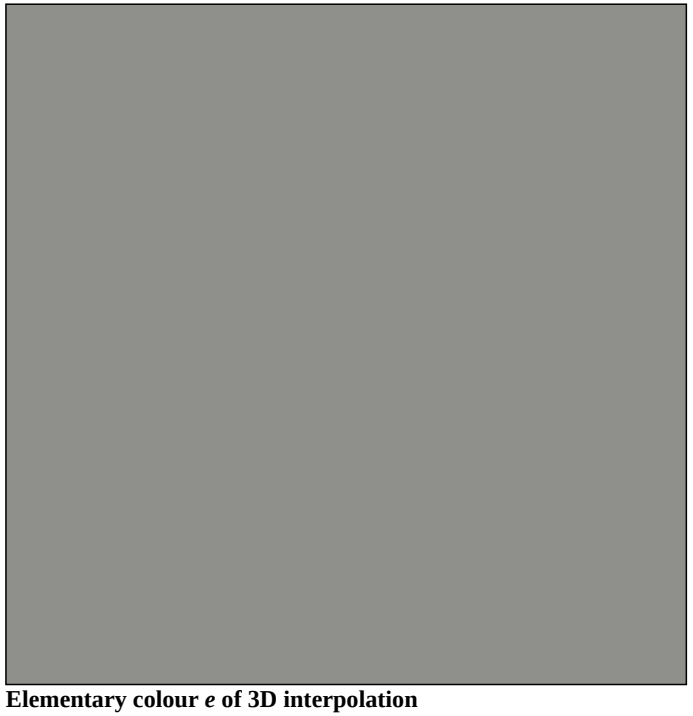
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1032	0.533	0.533	0.533	0.0	53.9	78.2	357.0	78.1	−3.9	59.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1032	0.533	0.533	0.533	0.0	53.4	76.6	2.4	76.5	3.2	59.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.467	0.0	b75r	m47o		1.0	0.0	0.529	0.533	0.533	0.533
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.467	0.0	b79r	m50o		1.0	0.0	0.406	0.533	0.533	0.533

3 Colours no. *j*=1032

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$rgb^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.1	2.7	290.6	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	4.2	4.2	

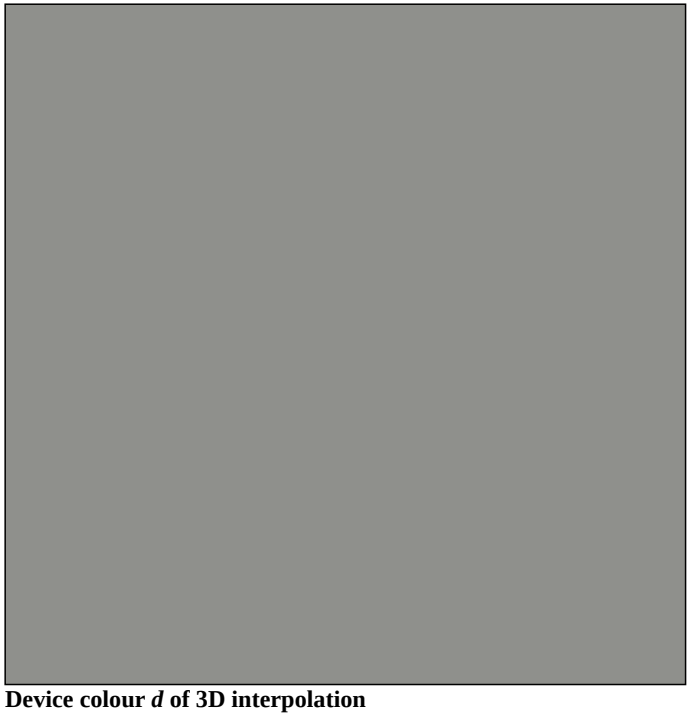


Elementary colour *e* of 3D interpolation

3 Colours no. *j*=1032

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$olv^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.1	2.7	290.6	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	6.9	6.9	



Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1033	0.6	0.6	0.6	0.0	53.9	78.2	357.0	78.1	−3.9	64.3	0.0	357.0	0.0	0.0	0.4	0.0	b75r	m47o		1.0	0.0	0.529	0.6	0.6	0.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1033	0.6	0.6	0.6	0.0	53.4	76.6	2.4	76.5	3.2	64.3	0.0	2.4	0.0	0.0	0.4	0.0	b79r	m50o		1.0	0.0	0.406	0.6	0.6	0.6

3 Colours no. *j*=1033

output of the elementary colour *e*:

rgb input (in):									
	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.7	1.9	301.9	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.2	3.2	3D−it:	1.7	1.7	

3 Colours no. *j*=1033

output of the device colour *d*:

rgb input (in):									
	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.7	1.9	301.9	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.2	3.2	3D−in:	4.5	4.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1034	0.666	0.666	0.666	0.0	53.9	78.2	357.0	78.1	−3.9	69.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1034	0.666	0.666	0.666	0.0	53.4	76.6	2.4	76.5	3.2	69.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.334	0.0	b75r	m47o		1.0	0.0	0.529	0.666	0.666	0.666
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.334	0.0	b79r	m50o		1.0	0.0	0.406	0.666	0.666	0.666

3 Colours no. *j*=1034

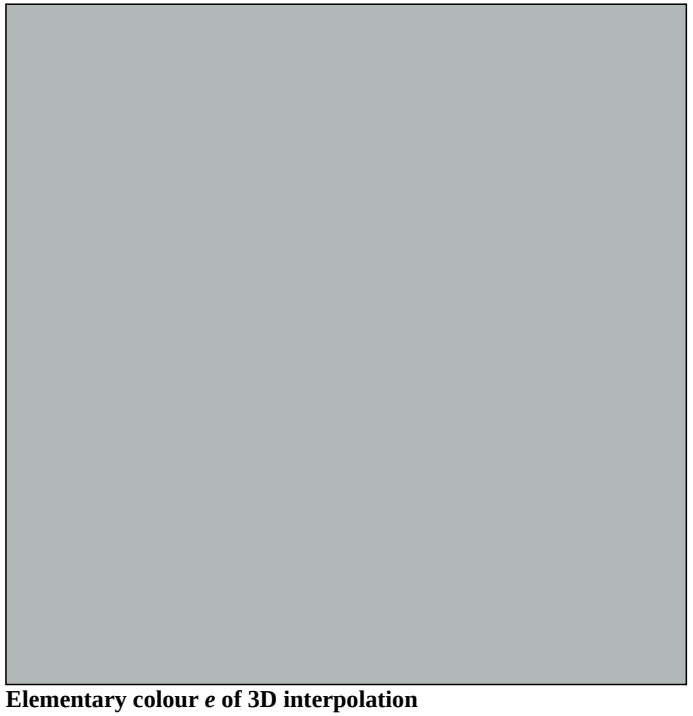
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$rgb^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.4	1.1	326.3	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	2.9	2.9	

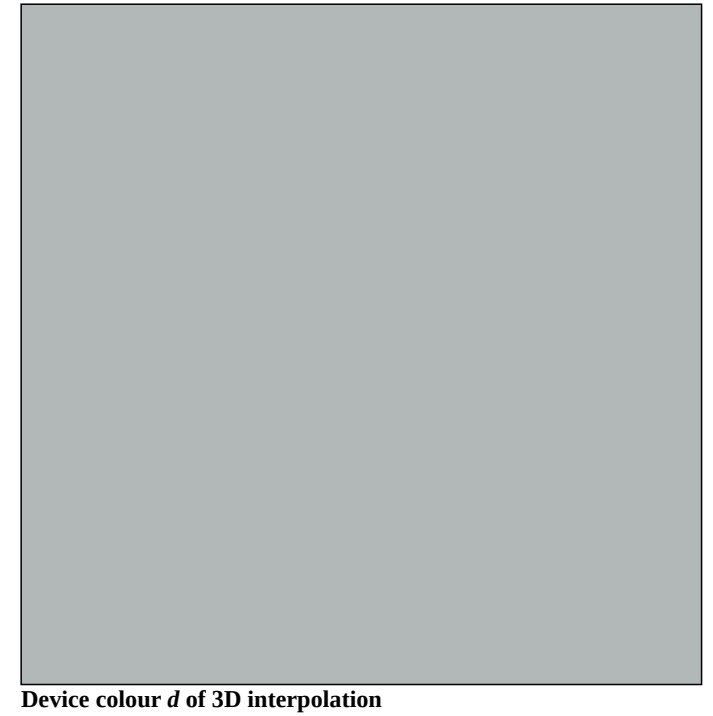
3 Colours no. *j*=1034

output of the device colour *d*:

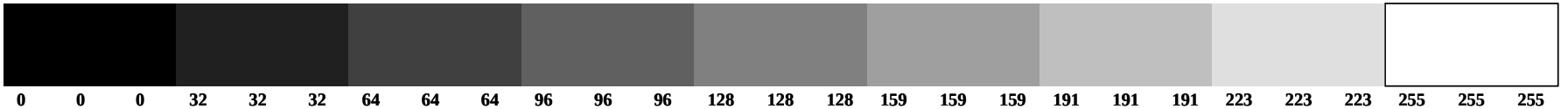
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$olv^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.4	1.1	326.3	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	5.9	5.9	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems

TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1035	0.734	0.734	0.734	0.0	53.9	78.2	357.0	78.1	−3.9	74.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1035	0.734	0.734	0.734	0.0	53.4	76.6	2.4	76.5	3.2	74.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.266	0.0	b75r	m47o		1.0	0.0	0.529	0.734	0.734	0.734
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.266	0.0	b79r	m50o		1.0	0.0	0.406	0.734	0.734	0.734

3 Colours no. *j*=1035

output of the elementary colour *e*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$rgb^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.2	28.4	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.3	3.3	

3 Colours no. *j*=1035

output of the device colour *d*:

rgb input (in):									
				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$olv^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.2	28.4	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	6.6	6.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1036	0.8	0.8	0.8	0.0	53.9	78.2	357.0	78.1	−3.9	79.9	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1036	0.8	0.8	0.8	0.0	53.4	76.6	2.4	76.5	3.2	79.9	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.2	0.0	b75r	m47o		1.0	0.0	0.529	0.8	0.8	0.8
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.2	0.0	b79r	m50o		1.0	0.0	0.406	0.8	0.8	0.8

3 Colours no. *j*=1036

output of the elementary colour *e*:

rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	68.9	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−it:	4.1	4.1	

3 Colours no. *j*=1036

output of the device colour *d*:

rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	68.9	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−in:	5.8	5.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1037	0.866	0.866	0.866	0.0	53.9	78.2	357.0	78.1	−3.9	85.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1037	0.866	0.866	0.866	0.0	53.4	76.6	2.4	76.5	3.2	85.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.134	0.0	b75r	m47o		1.0	0.0	0.529	0.866	0.866	0.866
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.134	0.0	b79r	m50o		1.0	0.0	0.406	0.866	0.866	0.866

3 Colours no. *j*=1037

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$rgb^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.2	3.5	84.1	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	5.1	5.1	

3 Colours no. *j*=1037

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$olv^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.2	3.5	84.1	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−in:	7.3	7.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1038	0.933	0.933	0.933	0.0	53.9	78.2	357.0	78.1	−3.9	90.2	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1038	0.933	0.933	0.933	0.0	53.4	76.6	2.4	76.5	3.2	90.2	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.067	0.0	b75r	m47o		1.0	0.0	0.529	0.933	0.933	0.933
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.067	0.0	b79r	m50o		1.0	0.0	0.406	0.933	0.933	0.933

3 Colours no. *j*=1038

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$rgb^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.5	92.6	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	5.3	5.3	

3 Colours no. *j*=1038

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$olv^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.5	92.6	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−in:	9.9	9.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1039	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1039	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=1039

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	53.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.3	0.3	

3 Colours no. *j*=1039

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	53.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1040	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1040	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=1040

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−it:	0.2	0.2	

3 Colours no. *j*=1040

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	0.0	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1041	0.066	0.066	0.066	0.0	53.9	78.2	357.0	78.1	−3.9	22.8	0.0	357.0	0.0	0.0	0.934	0.0	b75r	m47o		1.0	0.0	0.529	0.066	0.066	0.066
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1041	0.066	0.066	0.066	0.0	53.4	76.6	2.4	76.5	3.2	22.8	0.0	2.4	0.0	0.0	0.934	0.0	b79r	m50o		1.0	0.0	0.406	0.066	0.066	0.066

3 Colours no. *j*=1041

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
$rgb^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.0	0.5	336.0	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−it:	2.7	2.7	

3 Colours no. *j*=1041

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
$olv^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.0	0.5	336.0	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	6.0	6.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

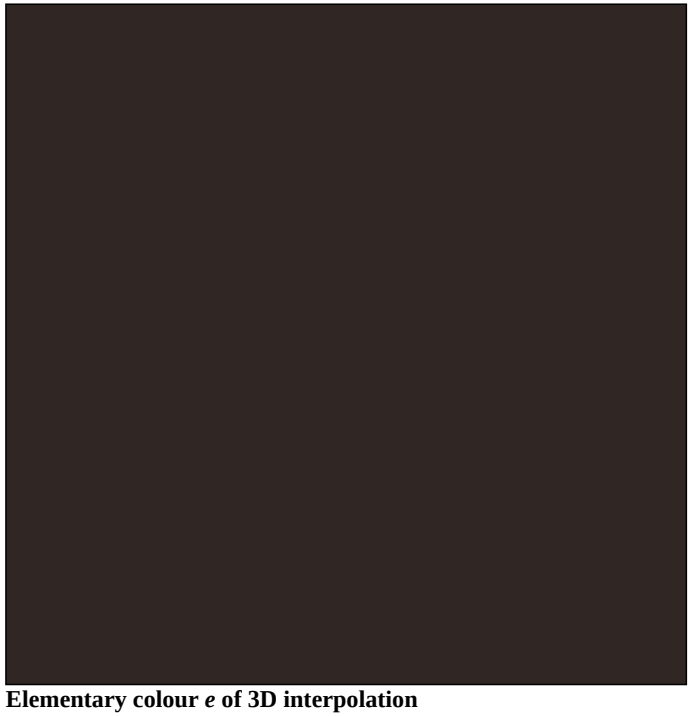
n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1042	0.133	0.133	0.133	0.0	53.9	78.2	357.0	78.1	−3.9	28.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1042	0.133	0.133	0.133	0.0	53.4	76.6	2.4	76.5	3.2	28.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.867	0.0	b75r	m47o		1.0	0.0	0.529	0.133	0.133	0.133
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.867	0.0	b79r	m50o		1.0	0.0	0.406	0.133	0.133	0.133

3 Colours no. *j*=1042

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$rgb^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.3	2.6	291.5	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	4.0	4.0	

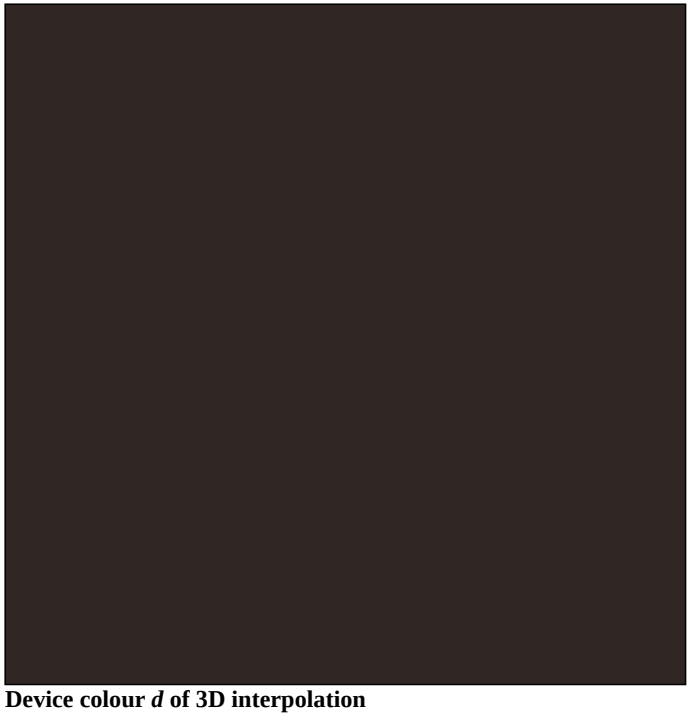


Elementary colour *e* of 3D interpolation

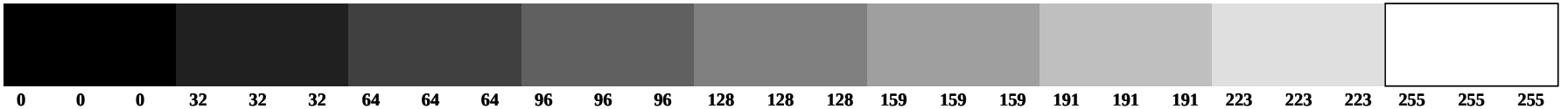
3 Colours no. *j*=1042

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$olv^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.3	2.6	291.5	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	7.5	7.5	



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1043	0.2	0.2	0.2	0.0	53.9	78.2	357.0	78.1	−3.9	33.2	0.0	357.0	0.0	0.0	0.8	0.0	b75r	m47o		1.0	0.0	0.529	0.2	0.2	0.2
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1043	0.2	0.2	0.2	0.0	53.4	76.6	2.4	76.5	3.2	33.2	0.0	2.4	0.0	0.0	0.8	0.0	b79r	m50o		1.0	0.0	0.406	0.2	0.2	0.2

3 Colours no. *j*=1043

output of the elementary colour *e*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
rgb^*_{Fa}	0.2	0.2	0.2	linear interpolation (it): 0.2	0.2	0.2	3D interpolation (3D): 0.233	0.214	0.196
$rgb^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	3.9	277.5	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−it:	4.6	4.6	

3 Colours no. *j*=1043

output of the device colour *d*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
olv^*_{Fa}	0.2	0.2	0.2	linear interpolation (it): 0.2	0.2	0.2	3D interpolation (3D): 0.233	0.214	0.196
$olv^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	3.9	277.5	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.0	4.0	3D−in:	8.3	8.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1044	0.266	0.266	0.266	0.0	53.9	78.2	357.0	78.1	−3.9	38.3	0.0	357.0	0.0	0.0	0.734	0.0	b75r	m47o		1.0	0.0	0.529	0.266	0.266	0.266
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1044	0.266	0.266	0.266	0.0	53.4	76.6	2.4	76.5	3.2	38.3	0.0	2.4	0.0	0.0	0.734	0.0	b79r	m50o		1.0	0.0	0.406	0.266	0.266	0.266

3 Colours no. *j*=1044

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$rgb^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.2	281.4	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	4.2	4.2	

3 Colours no. *j*=1044

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$olv^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.2	281.4	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	7.4	7.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1045	0.333	0.333	0.333	0.0	53.9	78.2	357.0	78.1	−3.9	43.5	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1045	0.333	0.333	0.333	0.0	53.4	76.6	2.4	76.5	3.2	43.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.667	0.0	b75r	m47o		1.0	0.0	0.529	0.333	0.333	0.333
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.667	0.0	b79r	m50o		1.0	0.0	0.406	0.333	0.333	0.333

3 Colours no. j=1045

output of the elementary colour e:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$rgb^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.6	283.0	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−it:	3.8	3.8	

3 Colours no. j=1045

output of the device colour d:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$olv^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.6	283.0	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.8	3.8	3D−in:	7.4	7.4	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1046	0.4	0.4	0.4	0.0	53.9	78.2	357.0	78.1	−3.9	48.8	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1046	0.4	0.4	0.4	0.0	53.4	76.6	2.4	76.5	3.2	48.8	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.6	0.0	b75r	m47o		1.0	0.0	0.529	0.4	0.4	0.4
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.6	0.0	b79r	m50o		1.0	0.0	0.406	0.4	0.4	0.4

3 Colours no. *j*=1046

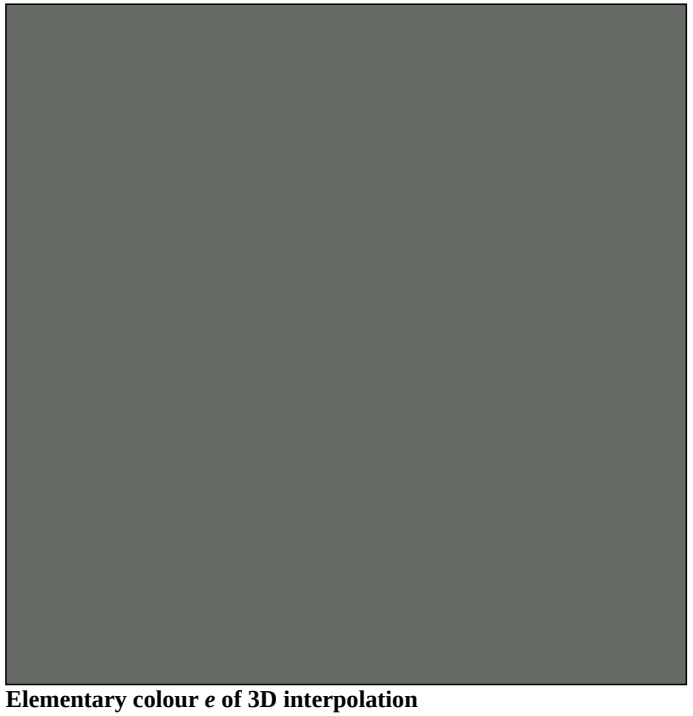
output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
rgb^*_{Fa}	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
$rgb^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.3	280.6	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	4.2	4.2	

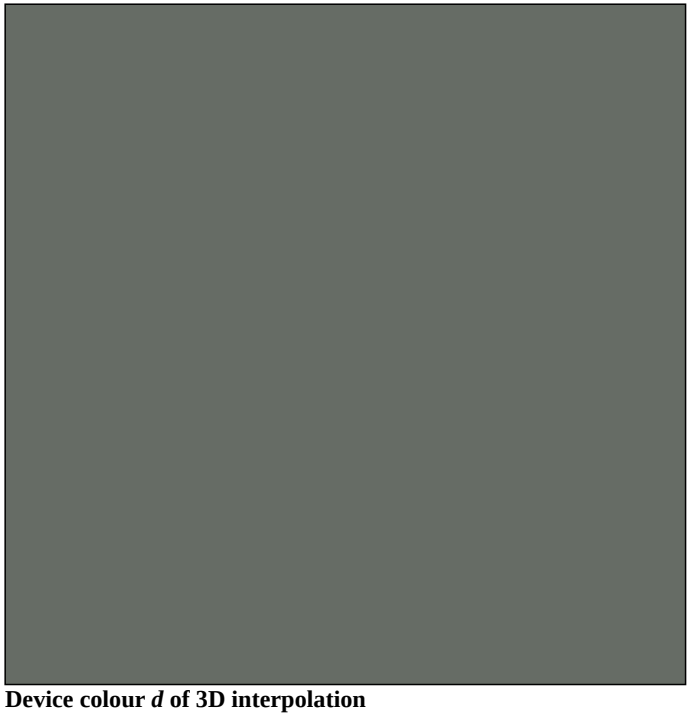
3 Colours no. *j*=1046

output of the device colour *d*:

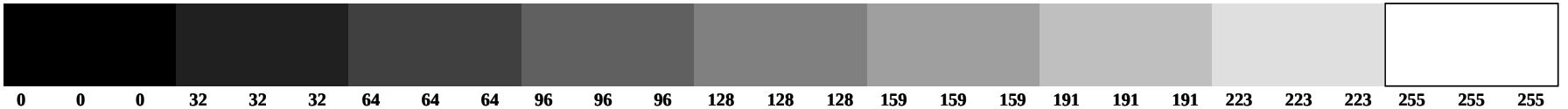
rgb input (in):									
	linear interpolation (it):			3D interpolation (3D):					
olv^*_{Fa}	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
$olv^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.3	280.6	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	7.6	7.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1047	0.466	0.466	0.466	0.0	53.9	78.2	357.0	78.1	−3.9	53.9	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1047	0.466	0.466	0.466	0.0	53.4	76.6	2.4	76.5	3.2	53.9	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.534	0.0	b75r	m47o		1.0	0.0	0.529	0.466	0.466	0.466
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.534	0.0	b79r	m50o		1.0	0.0	0.406	0.466	0.466	0.466

3 Colours no. *j*=1047

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$rgb^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.6	2.7	282.0	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−it:	2.4	2.4	

3 Colours no. *j*=1047

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$olv^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.6	2.7	282.0	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−in:	5.3	5.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1048	0.533	0.533	0.533	0.0	53.9	78.2	357.0	78.1	−3.9	59.1	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1048	0.533	0.533	0.533	0.0	53.4	76.6	2.4	76.5	3.2	59.1	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.467	0.0	b75r	m47o		1.0	0.0	0.529	0.533	0.533	0.533
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.467	0.0	b79r	m50o		1.0	0.0	0.406	0.533	0.533	0.533

3 Colours no. *j*=1048

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$rgb^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.0	2.8	291.9	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−it:	4.2	4.2	

3 Colours no. *j*=1048

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$olv^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.0	2.8	291.9	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.4	3.4	3D−in:	7.0	7.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1049	0.6	0.6	0.6	0.0	53.9	78.2	357.0	78.1	−3.9	64.3	0.0	357.0	0.0	0.0	0.4	0.0	b75r	m47o		1.0	0.0	0.529	0.6	0.6	0.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1049	0.6	0.6	0.6	0.0	53.4	76.6	2.4	76.5	3.2	64.3	0.0	2.4	0.0	0.0	0.4	0.0	b79r	m50o		1.0	0.0	0.406	0.6	0.6	0.6

3 Colours no. *j*=1049

output of the elementary colour *e*:

rgb input (in):									
	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.6	1.9	302.3	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	1.7	1.7	

3 Colours no. *j*=1049

output of the device colour *d*:

rgb input (in):									
	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.6	1.9	302.3	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	4.6	4.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1050	0.666	0.666	0.666	0.0	53.9	78.2	357.0	78.1	−3.9	69.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1050	0.666	0.666	0.666	0.0	53.4	76.6	2.4	76.5	3.2	69.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.334	0.0	b75r	m47o		1.0	0.0	0.529	0.666	0.666	0.666
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.334	0.0	b79r	m50o		1.0	0.0	0.406	0.666	0.666	0.666

3 Colours no. *j*=1050

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$rgb^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.3	1.1	324.8	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	2.9	2.9	

3 Colours no. *j*=1050

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$olv^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.3	1.1	324.8	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	5.9	5.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1051	0.734	0.734	0.734	0.0	53.9	78.2	357.0	78.1	−3.9	74.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1051	0.734	0.734	0.734	0.0	53.4	76.6	2.4	76.5	3.2	74.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.266	0.0	b75r	m47o		1.0	0.0	0.529	0.734	0.734	0.734
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.266	0.0	b79r	m50o		1.0	0.0	0.406	0.734	0.734	0.734

3 Colours no. *j*=1051

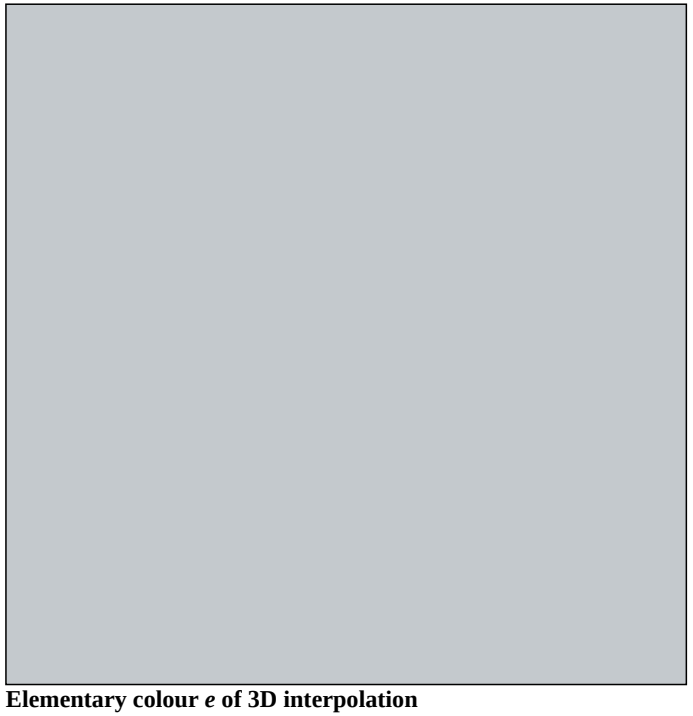
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$rgb^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.1	31.1	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	3.9	3.9	**3D−it:**	3.3	3.3	

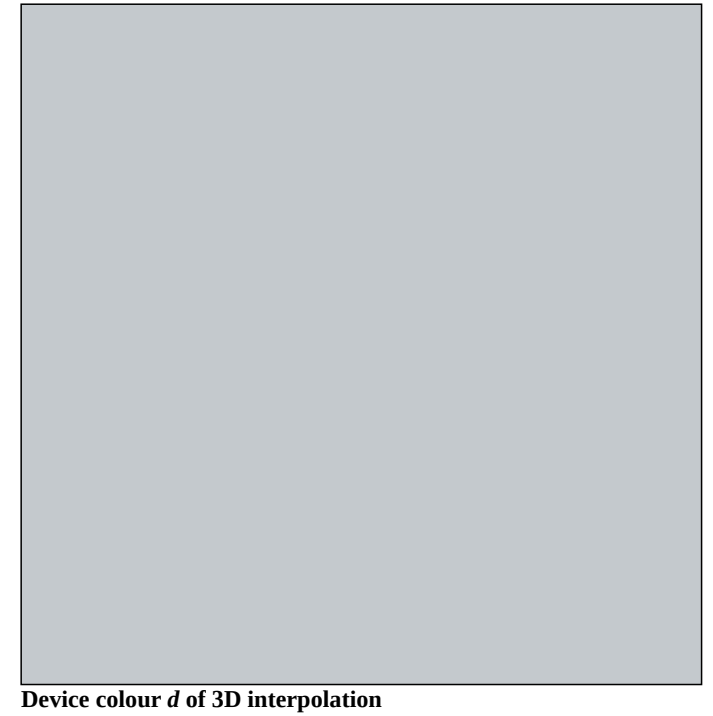
3 Colours no. *j*=1051

output of the device colour *d*:

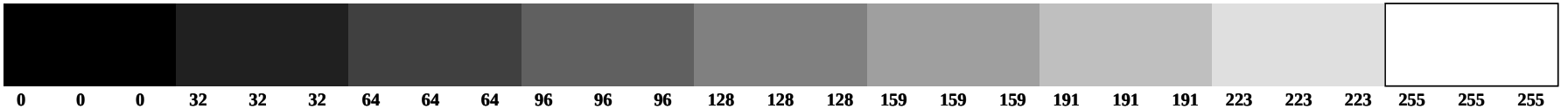
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$olv^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.1	31.1	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	3.9	3.9	**3D−in:**	6.6	6.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1052	0.8	0.8	0.8	0.0	53.9	78.2	357.0	78.1	−3.9	79.9	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1052	0.8	0.8	0.8	0.0	53.4	76.6	2.4	76.5	3.2	79.9	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.2	0.0	b75r	m47o		1.0	0.0	0.529	0.8	0.8	0.8
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.2	0.0	b79r	m50o		1.0	0.0	0.406	0.8	0.8	0.8

3 Colours no. *j*=1052

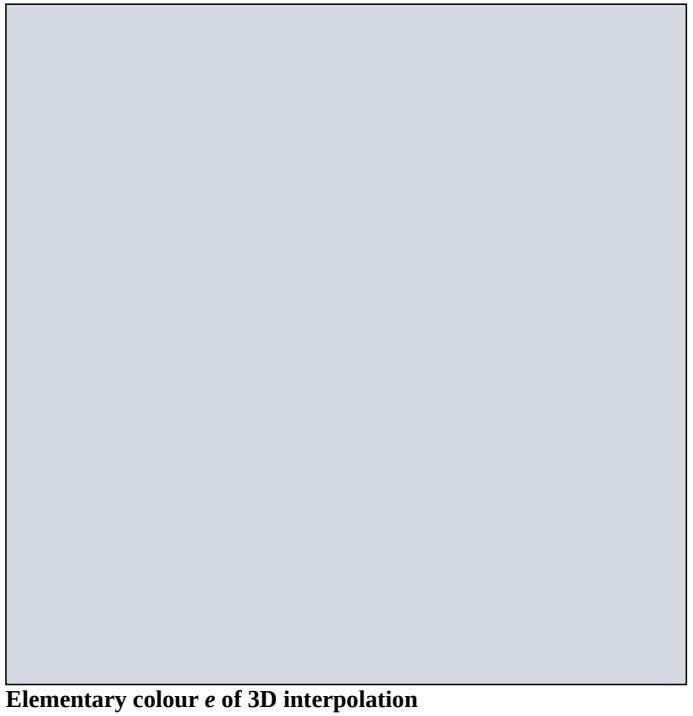
output of the elementary colour *e*:

rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	67.8	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−it:	4.1	4.1	

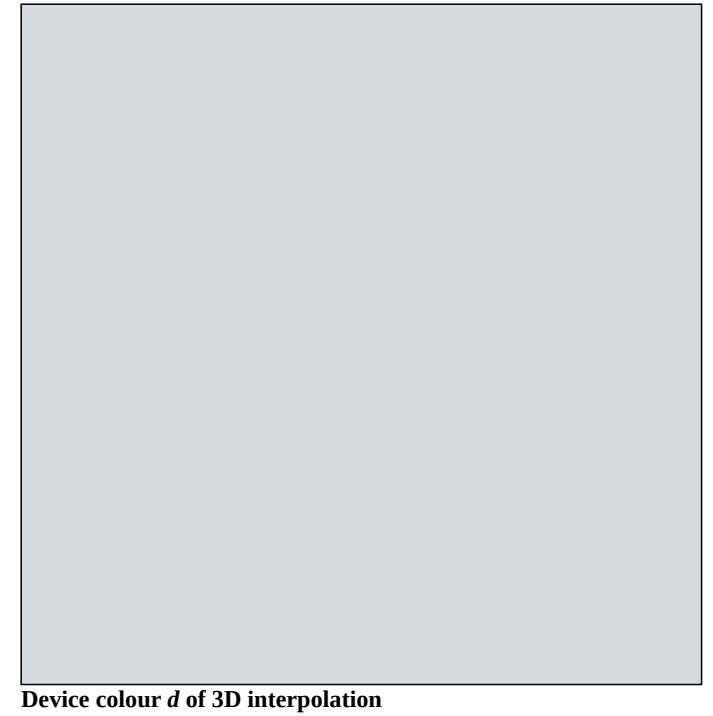
3 Colours no. *j*=1052

output of the device colour *d*:

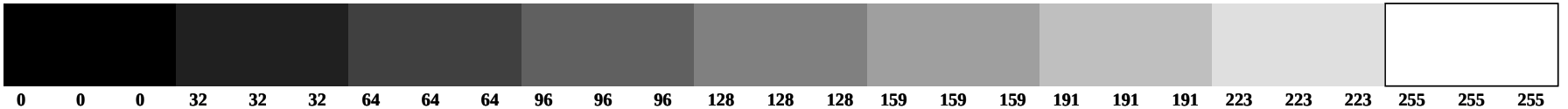
rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	67.8	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−in:	5.8	5.8	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1053	0.866	0.866	0.866	0.0	53.9	78.2	357.0	78.1	−3.9	85.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1053	0.866	0.866	0.866	0.0	53.4	76.6	2.4	76.5	3.2	85.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.134	0.0	b75r	m47o		1.0	0.0	0.529	0.866	0.866	0.866
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.134	0.0	b79r	m50o		1.0	0.0	0.406	0.866	0.866	0.866

3 Colours no. *j*=1053

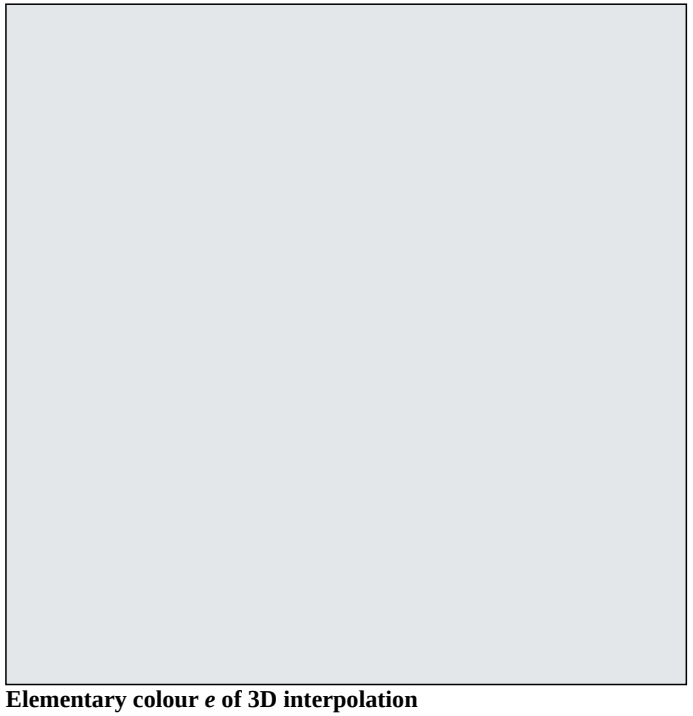
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$rgb^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.2	3.5	83.4	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	5.1	5.1	

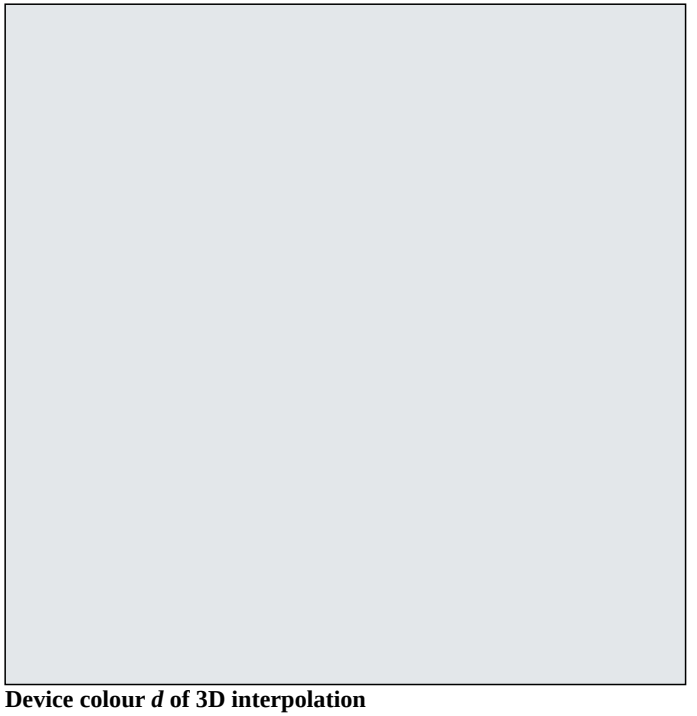
3 Colours no. *j*=1053

output of the device colour *d*:

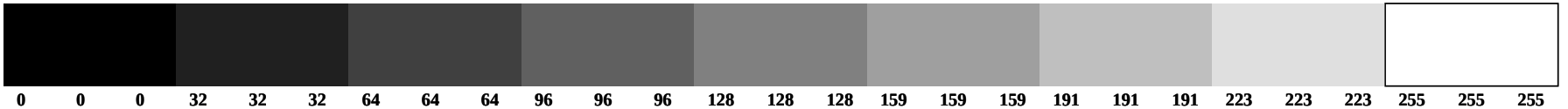
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$olv^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.2	3.5	83.4	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−in:	7.3	7.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1054	0.933	0.933	0.933	0.0	53.9	78.2	357.0	78.1	−3.9	90.2	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1054	0.933	0.933	0.933	0.0	53.4	76.6	2.4	76.5	3.2	90.2	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.067	0.0	b75r	m47o		1.0	0.0	0.529	0.933	0.933	0.933
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.067	0.0	b79r	m50o		1.0	0.0	0.406	0.933	0.933	0.933

3 Colours no. *j*=1054

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$rgb^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.5	92.6	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−it:	5.3	5.3	

3 Colours no. *j*=1054

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$olv^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.5	92.6	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	6.3	6.3	3D−in:	9.9	9.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1055	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1055	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=1055

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.2	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.3	0.3	

3 Colours no. *j*=1055

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	19.2	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1056	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0	1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1056	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0	1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=1056

output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.1	19.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.2	0.2	

3 Colours no. *j*=1056

output of the device colour *d*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.1	19.5	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.0	0.0	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1057	0.066	0.066	0.066	0.0	53.9	78.2	357.0	78.1	−3.9	22.8	0.0	357.0	0.0	0.0	0.934	0.0	b75r	m47o		1.0	0.0	0.529	0.066	0.066	0.066
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1057	0.066	0.066	0.066	0.0	53.4	76.6	2.4	76.5	3.2	22.8	0.0	2.4	0.0	0.0	0.934	0.0	b79r	m50o		1.0	0.0	0.406	0.066	0.066	0.066

3 Colours no. *j*=1057

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
$rgb^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.2	0.6	330.9	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	2.7	2.7	

3 Colours no. *j*=1057

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.066	0.066	0.066	0.066	0.066	0.066	0.088	0.092	0.079
$olv^*_{Fa,\ 8bit}$	17	17	17	17	17	17	22	24	20
L^*, C^*_{ab}, h_{ab}	19.2	0.6	330.9	22.8	0.0	0.0	24.6	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	5.9	5.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1058	0.133	0.133	0.133	0.0	53.9	78.2	357.0	78.1	−3.9	28.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1058	0.133	0.133	0.133	0.0	53.4	76.6	2.4	76.5	3.2	28.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.867	0.0	b75r	m47o		1.0	0.0	0.529	0.133	0.133	0.133
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.867	0.0	b79r	m50o		1.0	0.0	0.406	0.133	0.133	0.133

3 Colours no. *j*=1058

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$rgb^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.3	2.6	288.3	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−it:	4.0	4.0	

3 Colours no. *j*=1058

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.133	0.133	0.133	0.133	0.133	0.133	0.189	0.152	0.142
$olv^*_{Fa,\ 8bit}$	34	34	34	34	34	34	48	39	36
L^*, C^*_{ab}, h_{ab}	25.3	2.6	288.3	28.0	0.0	0.0	31.4	2.0	71.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.7	3.7	3D−in:	7.5	7.5	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1059	0.2	0.2	0.2	0.0	53.9	78.2	357.0	78.1	−3.9	33.2	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1059	0.2	0.2	0.2	0.0	53.4	76.6	2.4	76.5	3.2	33.2	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
0.8	0.0	b75r	m47o		1.0	0.0	0.529	0.2	0.2	0.2
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
0.8	0.0	b79r	m50o		1.0	0.0	0.406	0.2	0.2	0.2

3 Colours no. *j*=1059

output of the elementary colour *e*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	3.8	276.6	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	4.6	4.6	

3 Colours no. *j*=1059

output of the device colour *d*:

rgb input (in):									
	0.2	0.2	0.2	0.2	0.2	0.2	0.233	0.214	0.196
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	51	51	51	51	51	51	59	54	50
L^*, C^*_{ab}, h_{ab}	32.3	3.8	276.6	33.2	0.0	0.0	36.1	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	8.3	8.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

KE990−7X, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;, Page 2/1080

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1060	0.266	0.266	0.266	0.0	53.9	78.2	357.0	78.1	−3.9	38.3	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1060	0.266	0.266	0.266	0.0	53.4	76.6	2.4	76.5	3.2	38.3	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.734	0.0	b75r	m47o		1.0	0.0	0.529	0.266	0.266	0.266
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.734	0.0	b79r	m50o		1.0	0.0	0.406	0.266	0.266	0.266

3 Colours no. *j*=1060

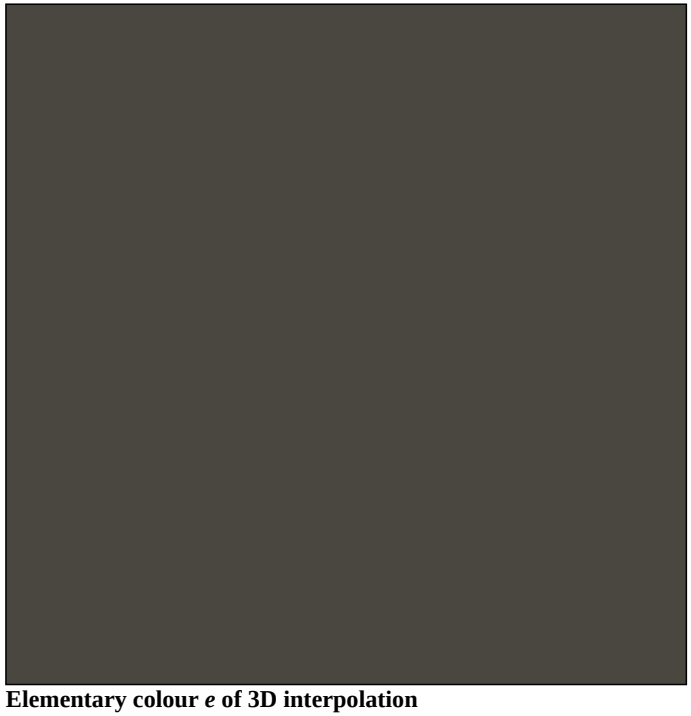
output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$rgb^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.4	286.0	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	4.2	4.2	

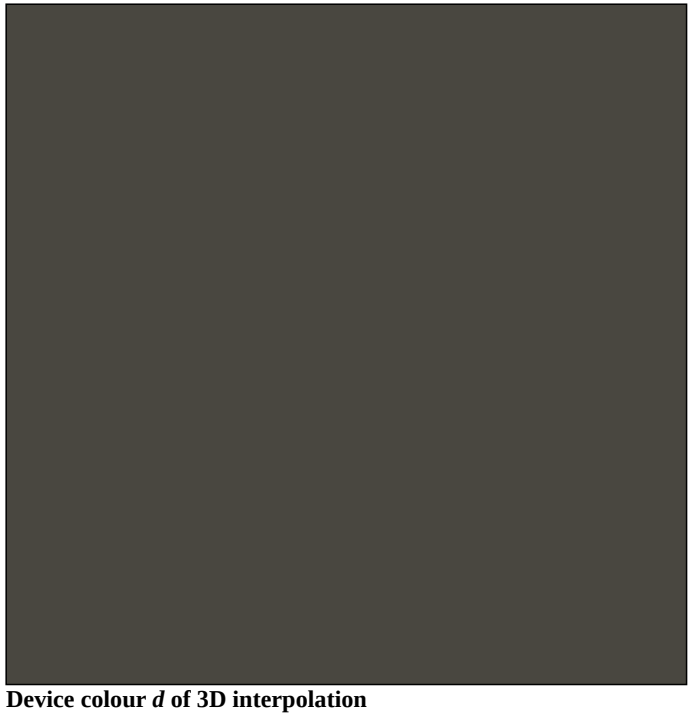
3 Colours no. *j*=1060

output of the device colour *d*:

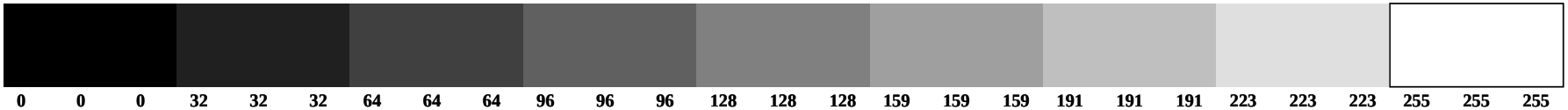
rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.266	0.266	0.266	0.266	0.266	0.266	0.285	0.278	0.25
$olv^*_{Fa,\ 8bit}$	68	68	68	68	68	68	73	71	64
L^*, C^*_{ab}, h_{ab}	37.4	3.4	286.0	38.3	0.0	0.0	40.5	3.6	80.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	7.5	7.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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TUB material: code=rha4ta

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1061	0.333	0.333	0.333	0.0	53.9	78.2	357.0	78.1	−3.9	43.5	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1061	0.333	0.333	0.333	0.0	53.4	76.6	2.4	76.5	3.2	43.5	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.667	0.0	b75r	m47o		1.0	0.0	0.529	0.333	0.333	0.333
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.667	0.0	b79r	m50o		1.0	0.0	0.406	0.333	0.333	0.333

3 Colours no. *j*=1061

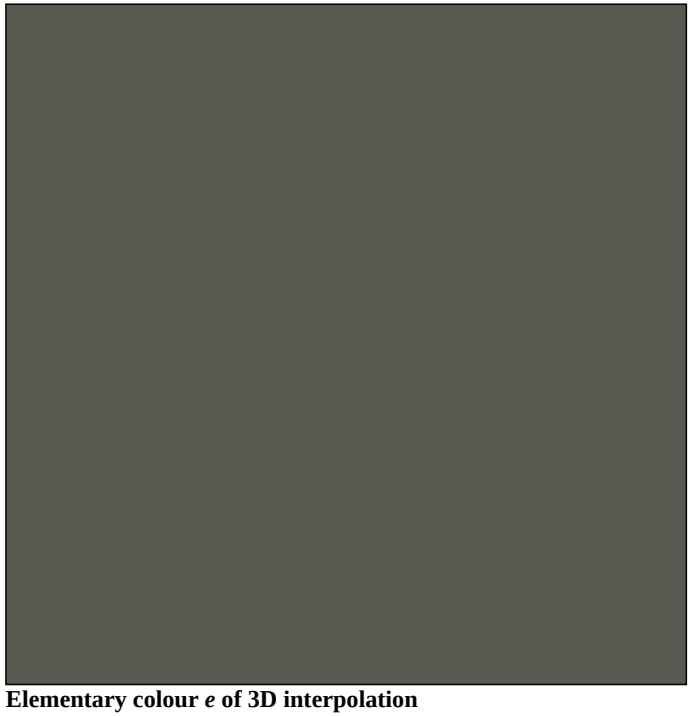
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$rgb^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.7	284.6	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−it:	3.8	3.8	

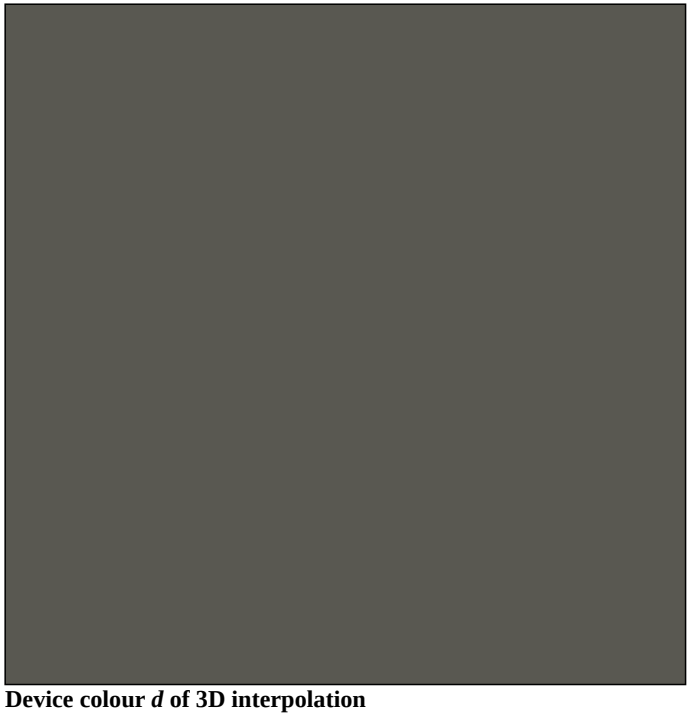
3 Colours no. *j*=1061

output of the device colour *d*:

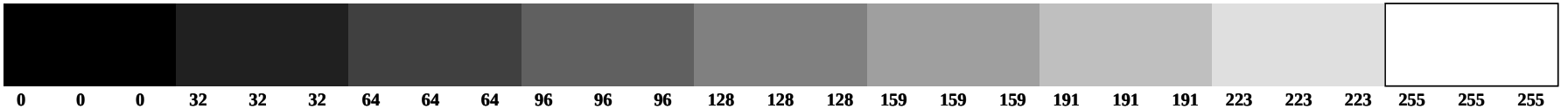
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.333	0.333	0.333	0.333	0.333	0.333	0.35	0.345	0.319
$olv^*_{Fa,\ 8bit}$	85	85	85	85	85	85	89	88	81
L^*, C^*_{ab}, h_{ab}	42.5	3.7	284.6	43.5	0.0	0.0	45.8	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.9	3.9	3D−in:	7.5	7.5	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1062	0.4	0.4	0.4	0.0	53.9	78.2	357.0	78.1	−3.9	48.8	0.0	357.0	0.0	0.0	0.6	0.0	b75r	m47o		1.0	0.0	0.529	0.4	0.4	0.4
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1062	0.4	0.4	0.4	0.0	53.4	76.6	2.4	76.5	3.2	48.8	0.0	2.4	0.0	0.0	0.6	0.0	b79r	m50o		1.0	0.0	0.406	0.4	0.4	0.4

3 Colours no. j=1062

output of the elementary colour e:

rgb input (in):									
	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.3	282.5	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−it:	4.2	4.2	

3 Colours no. j=1062

output of the device colour d:

rgb input (in):									
	0.4	0.4	0.4	0.4	0.4	0.4	0.399	0.422	0.397
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	102	102	102	102	102	102	102	108	101
L^*, C^*_{ab}, h_{ab}	47.5	3.3	282.5	48.8	0.0	0.0	51.7	3.1	86.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.5	3.5	3D−in:	7.6	7.6	

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1063	0.466	0.466	0.466	0.0	53.9	78.2	357.0	78.1	−3.9	53.9	0.0	357.0	0.0	0.0
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1063	0.466	0.466	0.466	0.0	53.4	76.6	2.4	76.5	3.2	53.9	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.534	0.0	b75r	m47o		1.0	0.0	0.529	0.466	0.466	0.466
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.534	0.0	b79r	m50o		1.0	0.0	0.406	0.466	0.466	0.466

3 Colours no. *j*=1063

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$rgb^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.5	2.7	281.1	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−it:	2.4	2.4	

3 Colours no. *j*=1063

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.466	0.466	0.466	0.466	0.466	0.466	0.487	0.488	0.467
$olv^*_{Fa,\ 8bit}$	119	119	119	119	119	119	124	125	119
L^*, C^*_{ab}, h_{ab}	52.5	2.7	281.1	53.9	0.0	0.0	54.9	2.2	75.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.0	3.0	3D−in:	5.4	5.4	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
1064	0.533	0.533	0.533	0.0	53.9	78.2	357.0	78.1	−3.9	59.1	0.0	357.0	0.0	0.0	0.467	0.0	b75r	m47o		1.0	0.0	0.529	0.533	0.533	0.533
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
1064	0.533	0.533	0.533	0.0	53.4	76.6	2.4	76.5	3.2	59.1	0.0	2.4	0.0	0.0	0.467	0.0	b79r	m50o		1.0	0.0	0.406	0.533	0.533	0.533

3 Colours no. *j*=1064

output of the elementary colour *e*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
rgb^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$rgb^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.0	2.4	284.6	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.1	3.1	3D−it:	4.2	4.2	

3 Colours no. *j*=1064

output of the device colour *d*:

rgb input (in):									
	linear interpolation (it):						3D interpolation (3D):		
olv^*_{Fa}	0.533	0.533	0.533	0.533	0.533	0.533	0.559	0.564	0.548
$olv^*_{Fa,\ 8bit}$	136	136	136	136	136	136	143	144	140
L^*, C^*_{ab}, h_{ab}	57.0	2.4	284.6	59.1	0.0	0.0	63.1	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.1	3.1	3D−in:	6.9	6.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1065	0.6	0.6	0.6	0.0	53.9	78.2	357.0	78.1	−3.9	64.3	0.0	357.0	0.0	0.0	0.4	0.0	b75r	m47o		1.0	0.0	0.529	0.6	0.6	0.6
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1065	0.6	0.6	0.6	0.0	53.4	76.6	2.4	76.5	3.2	64.3	0.0	2.4	0.0	0.0	0.4	0.0	b79r	m50o		1.0	0.0	0.406	0.6	0.6	0.6

3 Colours no. *j*=1065

output of the elementary colour *e*:

rgb input (in):									
	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.6	1.9	302.3	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	1.7	1.7	

3 Colours no. *j*=1065

output of the device colour *d*:

rgb input (in):									
	0.6	0.6	0.6	0.6	0.6	0.6	0.632	0.643	0.634
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	153	153	153	153	153	153	161	164	162
L^*, C^*_{ab}, h_{ab}	61.6	1.9	302.3	64.3	0.0	0.0	65.5	1.3	41.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	4.6	4.6	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1066	0.666	0.666	0.666	0.0	53.9	78.2	357.0	78.1	−3.9	69.4	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1066	0.666	0.666	0.666	0.0	53.4	76.6	2.4	76.5	3.2	69.4	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.334	0.0	b75r	m47o		1.0	0.0	0.529	0.666	0.666	0.666
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.334	0.0	b79r	m50o		1.0	0.0	0.406	0.666	0.666	0.666

3 Colours no. *j*=1066

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$rgb^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.3	1.1	326.2	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−it:	2.9	2.9	

3 Colours no. *j*=1066

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.666	0.666	0.666	0.666	0.666	0.666	0.699	0.716	0.721
$olv^*_{Fa,\ 8bit}$	170	170	170	170	170	170	178	183	184
L^*, C^*_{ab}, h_{ab}	66.3	1.1	326.2	69.4	0.0	0.0	71.9	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	3.3	3.3	3D−in:	5.9	5.9	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1067	0.734	0.734	0.734	0.0	53.9	78.2	357.0	78.1	−3.9	74.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1067	0.734	0.734	0.734	0.0	53.4	76.6	2.4	76.5	3.2	74.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.266	0.0	b75r	m47o		1.0	0.0	0.529	0.734	0.734	0.734
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.266	0.0	b79r	m50o		1.0	0.0	0.406	0.734	0.734	0.734

3 Colours no. *j*=1067

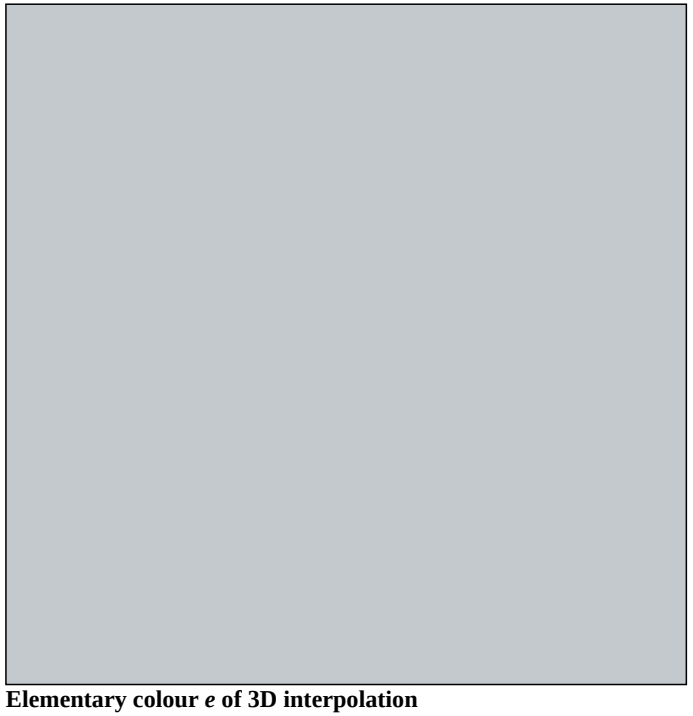
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$rgb^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.2	28.7	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	3.9	3.9	**3D−it:**	3.3	3.3	

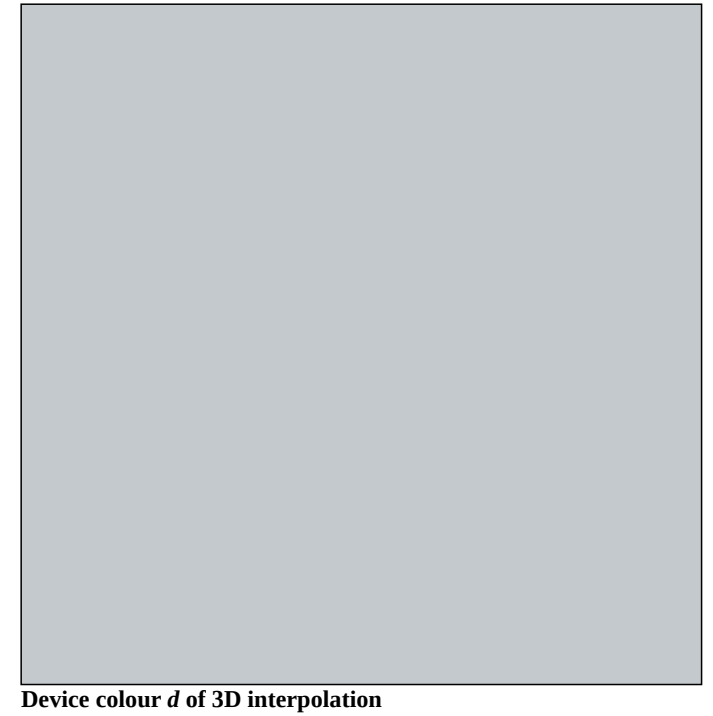
3 Colours no. *j*=1067

output of the device colour *d*:

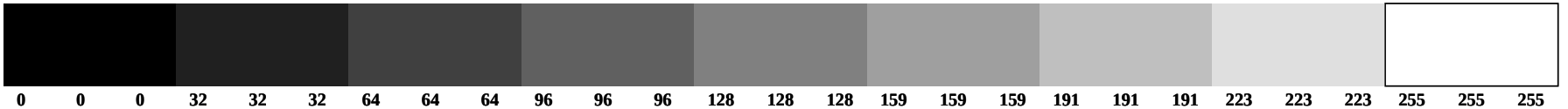
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.734	0.734	0.734	0.734	0.734	0.734	0.768	0.788	0.805
$olv^*_{Fa,\ 8bit}$	187	187	187	187	187	187	196	201	205
L^*, C^*_{ab}, h_{ab}	71.0	1.2	28.7	74.7	0.0	0.0	77.6	1.6	55.0
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			**it−in:**	3.9	3.9	**3D−in:**	6.6	6.6	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	rgb −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1068	0.8	0.8	0.8	0.0	53.9	78.2	357.0	78.1	−3.9	79.9	0.0	357.0	0.0	0.0	0.2	0.0	b75r	m47o		1.0	0.0	0.529	0.8	0.8	0.8
n_{rgb}	rgb −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1068	0.8	0.8	0.8	0.0	53.4	76.6	2.4	76.5	3.2	79.9	0.0	2.4	0.0	0.0	0.2	0.0	b79r	m50o		1.0	0.0	0.406	0.8	0.8	0.8

3 Colours no. j=1068

output of the elementary colour e:

rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
rgb^*_{Fa}									
$rgb^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	67.8	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−it:	4.1	4.1	

	linear interpolation (it):			3D interpolation (3D):		

3 Colours no. j=1068

output of the device colour d:

rgb input (in):									
	0.8	0.8	0.8	0.8	0.8	0.8	0.835	0.854	0.879
olv^*_{Fa}									
$olv^*_{Fa,\ 8bit}$	204	204	204	204	204	204	213	218	224
L^*, C^*_{ab}, h_{ab}	76.0	2.3	67.8	79.9	0.0	0.0	81.6	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	4.5	4.5	3D−in:	5.9	5.9	

	linear interpolation (it):			3D interpolation (3D):		

Elementary colour e of 3D interpolation

Device colour d of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1069	0.866	0.866	0.866	0.0	53.9	78.2	357.0	78.1	−3.9	85.0	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1069	0.866	0.866	0.866	0.0	53.4	76.6	2.4	76.5	3.2	85.0	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.134	0.0	b75r	m47o		1.0	0.0	0.529	0.866	0.866	0.866
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.134	0.0	b79r	m50o		1.0	0.0	0.406	0.866	0.866	0.866

3 Colours no. *j*=1069

output of the elementary colour *e*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$rgb^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.1	3.4	82.6	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−it:	5.1	5.1	

3 Colours no. *j*=1069

output of the device colour *d*:

rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.866	0.866	0.866	0.866	0.866	0.866	0.892	0.905	0.919
$olv^*_{Fa,\ 8bit}$	221	221	221	221	221	221	228	231	234
L^*, C^*_{ab}, h_{ab}	81.1	3.4	82.6	85.0	0.0	0.0	88.4	3.7	89.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.2	5.2	3D−in:	7.3	7.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1070	0.933	0.933	0.933	0.0	53.9	78.2	357.0	78.1	−3.9	90.2	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1070	0.933	0.933	0.933	0.0	53.4	76.6	2.4	76.5	3.2	90.2	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$			
0.067	0.0	b75r	m47o		1.0	0.0	0.529	0.933	0.933	0.933
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$			
0.067	0.0	b79r	m50o		1.0	0.0	0.406	0.933	0.933	0.933

3 Colours no. *j*=1070

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$rgb^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.4	92.7	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.2	6.2	3D−it:	5.3	5.3

3 Colours no. *j*=1070

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.933	0.933	0.933	0.933	0.933	0.933	0.942	0.952	0.959
$olv^*_{Fa,\ 8bit}$	238	238	238	238	238	238	240	243	245
L^*, C^*_{ab}, h_{ab}	87.1	5.4	92.7	90.2	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	6.2	6.2	3D−in:	9.9	9.9

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1071	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1071	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=1071

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.0	12.6	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−it:	0.3	0.3	

3 Colours no. *j*=1071

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.0	12.6	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.0	0.0	3D−in:	0.3	0.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1072	0.0	0.0	0.0	0.0	53.9	78.2	357.0	78.1	−3.9	17.7	0.0	357.0	0.0	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1072	0.0	0.0	0.0	0.0	53.4	76.6	2.4	76.5	3.2	17.7	0.0	2.4	0.0	0.0

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1.0	0.0	b75r	m47o		1.0	0.0	0.529	0.0	0.0	0.0
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1.0	0.0	b79r	m50o		1.0	0.0	0.406	0.0	0.0	0.0

3 Colours no. *j*=1072

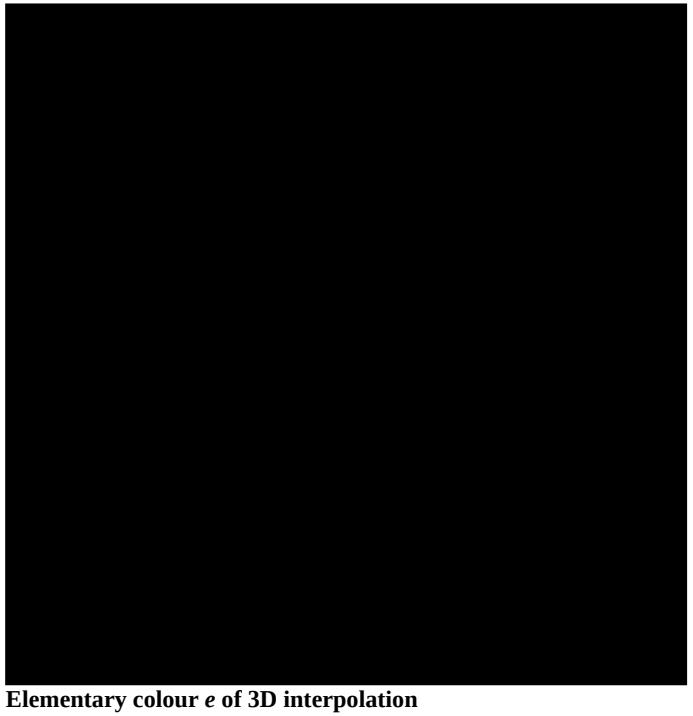
output of the elementary colour *e*:

rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
rgb^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$rgb^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	323.2	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				**it−in:**	0.0	0.0	**3D−it:**	0.2	0.2

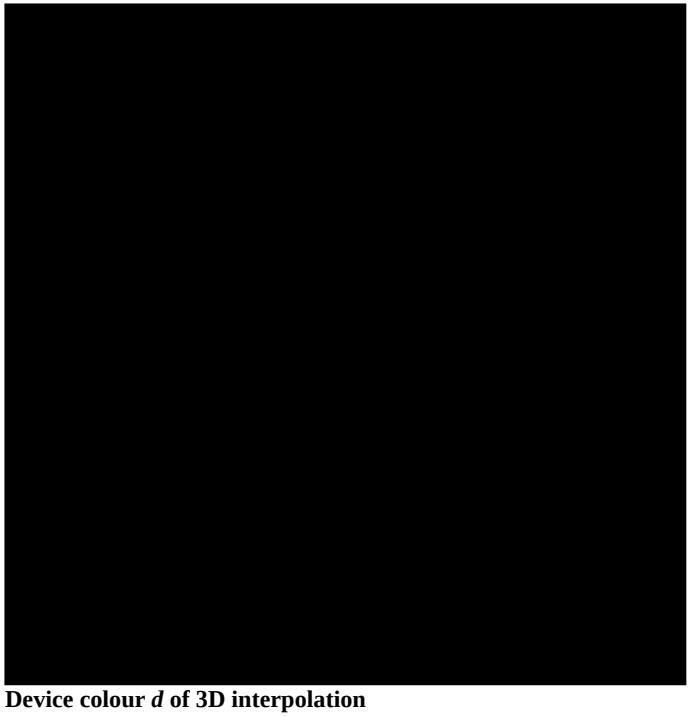
3 Colours no. *j*=1072

output of the device colour *d*:

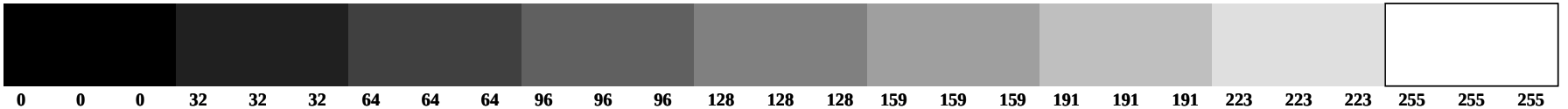
rgb input (in):				**linear interpolation (it):**			**3D interpolation (3D):**		
olv^*_{Fa}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.001	0.0
$olv^*_{Fa,\ 8bit}$	0	0	0	0	0	0	0	0	0
L^*, C^*_{ab}, h_{ab}	17.7	0.0	323.2	17.7	0.0	0.0	17.7	0.2	19.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				**it−in:**	0.0	0.0	**3D−in:**	0.1	0.1



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$		$olv^*_{3Fae,it}$		
1073	1.0	1.0	1.0	0.0	53.9	78.2	357.0	78.1	−3.9	95.4	0.0	357.0	0.0	0.0	0.0	0.0	b75r	m47o		1.0	0.0	0.529	1.0	1.0	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$		$rgb^*_{3Fad,it}$		
1073	1.0	1.0	1.0	0.0	53.4	76.6	2.4	76.5	3.2	95.4	0.0	2.4	0.0	0.0	0.0	0.0	b79r	m50o		1.0	0.0	0.406	1.0	1.0	1.0

3 Colours no. *j*=1073

output of the elementary colour *e*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$rgb^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	349.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−it:	0.3	0.3	

3 Colours no. *j*=1073

output of the device colour *d*:

	rgb input (in):			linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	1.0	1.0	1.0	1.0	0.998	0.999	1.0
$olv^*_{Fa,\ 8bit}$	255	255	255	255	255	255	254	255	255
L^*, C^*_{ab}, h_{ab}	95.4	0.1	349.0	95.4	0.0	0.0	95.5	0.2	74.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	0.1	0.1	3D−in:	0.3	0.3	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
1074	1.0	0.0	0.0	30.0	52.7	81.3	25.5	73.4	35.0	52.7	81.3	25.5	73.4	35.0	0.0	1.0	b99r	m81o		1.0	0.0	0.189	1.0	0.0	0.189
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
1074	1.0	0.0	0.0	30.0	55.6	86.2	38.2	67.7	53.3	55.6	86.2	38.2	67.7	53.3	0.0	1.0	r19j	m100o		1.0	0.19	0.0	1.0	0.19	0.0

3 Colours no. *j*=1074

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	0.0	1.0	0.0	0.189	1.0	0.0	0.191
$rgb^*_{Fa,\ 8bit}$	255	0	0	255	0	48	255	0	49
L^*, C^*_{ab}, h_{ab}	52.5	90.8	38.1	52.7	81.3	25.5	54.3	88.0	28.6
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	21.2	21.2	3D−it:	8.3	8.3

3 Colours no. *j*=1074

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	0.0	1.0	0.19	0.0	1.0	0.149	0.078
$olv^*_{Fa,\ 8bit}$	255	0	0	255	49	0	255	38	20
L^*, C^*_{ab}, h_{ab}	52.5	90.8	38.1	55.6	86.2	38.2	57.4	89.3	40.2
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	5.6	5.6	3D−in:	6.1	6.1

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
1075	0.0	1.0	1.0	210.0	80.3	43.6	217.0	−34.7	−26.1	80.3	43.6	217.0	−34.7	−26.1	0.0	1.0	g50b	c08v		0.0	0.925	1.0	0.0	0.925	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
1075	0.0	1.0	1.0	210.0	85.3	72.8	196.7	−69.6	−20.8	85.3	72.8	196.7	−69.6	−20.8	0.0	1.0	g31b	c00v		0.0	1.0	0.63	0.0	1.0	0.63

3 Colours no. *j*=1075

output of the elementary colour *e*:

rgb input (in):									
	0.0	1.0	1.0	0.0	0.925	1.0	0.0	0.927	1.0
rgb^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$rgb^*_{Fa,\ 8bit}$	0	255	255	0	236	255	0	236	255
L^*, C^*_{ab}, h_{ab}	87.2	46.1	197.3	80.3	43.6	217.0	84.7	32.6	219.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	17.0	17.0	3D−it:	11.9	11.9	

3 Colours no. *j*=1075

output of the device colour *d*:

rgb input (in):									
	0.0	1.0	1.0	0.0	1.0	0.63	0.0	1.0	1.0
olv^*_{Fa}				linear interpolation (it):			3D interpolation (3D):		
$olv^*_{Fa,\ 8bit}$	0	255	255	0	255	161	0	255	255
L^*, C^*_{ab}, h_{ab}	87.2	46.1	197.3	85.3	72.8	196.7	96.8	44.8	175.3
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	26.7	26.7	3D−in:	19.8	19.8	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
1076	1.0	1.0	0.0	90.0	83.7	89.8	92.3	−3.5	89.7	83.7	89.8	92.3	−3.5	89.7	0.0	1.0	r99j	o88y		1.0	0.884	0.0	1.0	0.884	0.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
1076	1.0	1.0	0.0	90.0	90.1	102.2	101.8	−20.8	100.0	90.1	102.2	101.8	−20.8	100.0	0.0	1.0	j13g	o100y		0.864	1.0	0.0	0.864	1.0	0.0

3 Colours no. *j*=1076

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	1.0	0.0	1.0	0.884	0.0	1.0	0.884	0.0
$rgb^*_{Fa,\ 8bit}$	255	255	0	255	225	0	255	225	0
L^*, C^*_{ab}, h_{ab}	92.9	102.0	101.8	83.7	89.8	92.3	84.5	90.7	91.5
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	22.0	22.0	3D−it:	1.7	1.7

3 Colours no. *j*=1076

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	1.0	0.0	0.864	1.0	0.0	1.0	1.0	0.0
$olv^*_{Fa,\ 8bit}$	255	255	0	220	255	0	255	255	0
L^*, C^*_{ab}, h_{ab}	92.9	102.0	101.8	90.1	102.2	101.8	93.0	102.4	101.8
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$				it−in:	2.8	2.8	3D−in:	0.4	0.4

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
1077	0.0	0.0	1.0	270.0	60.5	57.3	271.7	1.7	−57.2	60.5	57.3	271.7	1.7	−57.2	0.0	1.0	b00r	c39v		0.0	0.613	1.0	0.0	0.613	1.0
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
1077	0.0	0.0	1.0	270.0	44.2	113.3	304.1	63.5	−93.8	44.2	113.3	304.1	63.5	−93.8	0.0	1.0	b28r	v00m		0.568	0.0	1.0	0.568	0.0	1.0

3 Colours no. *j*=1077

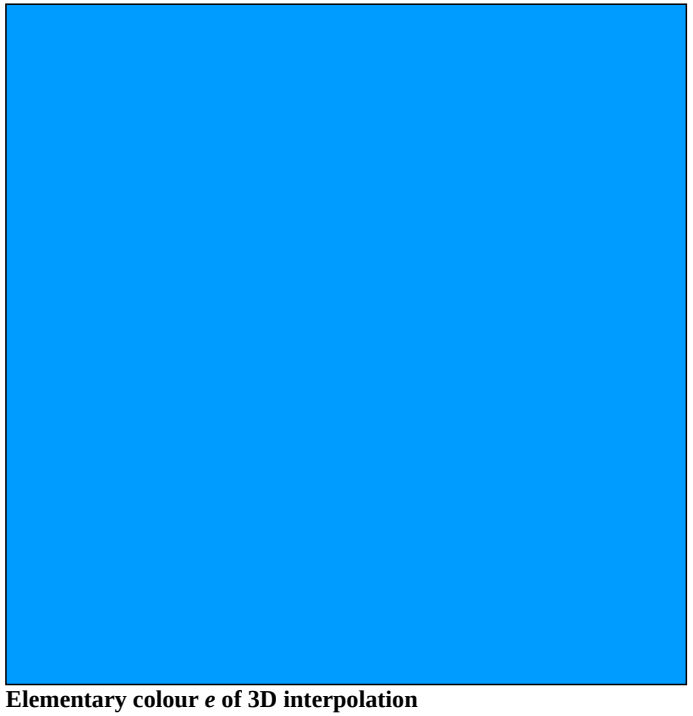
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	0.0	1.0	0.0	0.613	1.0	0.0	0.613	1.0
$rgb^*_{Fa,\ 8bit}$	0	0	255	0	156	255	0	156	255
L^*, C^*_{ab}, h_{ab}	34.7	121.4	304.2	60.5	57.3	271.7	61.0	56.3	272.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	83.3	83.3	3D−it:	1.6	1.6	

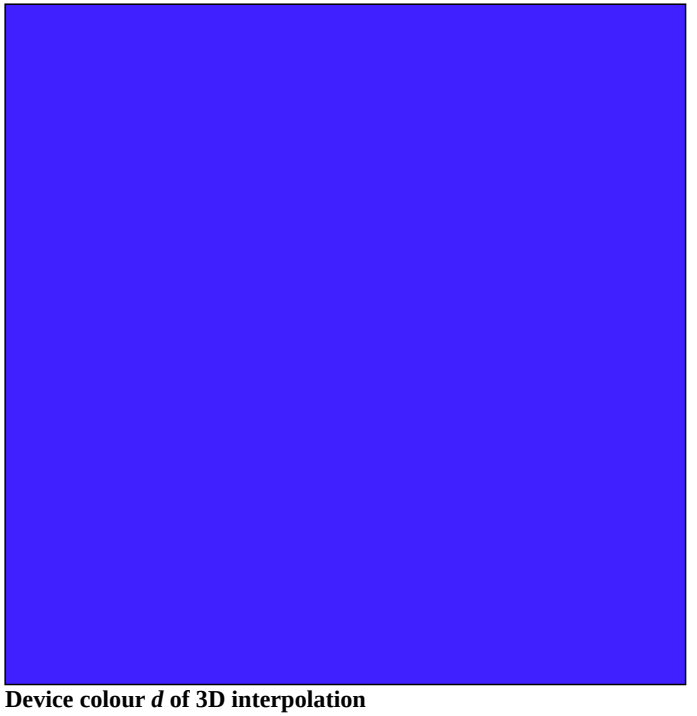
3 Colours no. *j*=1077

output of the device colour *d*:

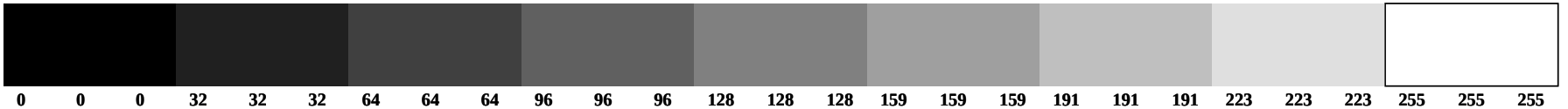
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	0.0	1.0	0.568	0.0	1.0	0.25	0.125	1.0
$olv^*_{Fa,\ 8bit}$	0	0	255	145	0	255	64	32	255
L^*, C^*_{ab}, h_{ab}	34.7	121.4	304.2	44.2	113.3	304.1	48.6	111.6	304.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	12.5	12.5	3D−in:	17.1	17.1	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$				
1078	0.0	1.0	0.0	150.0	85.7	63.5	162.2	−60.4	19.4	85.7	63.5	162.2	−60.4	19.4
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$				
1078	0.0	1.0	0.0	150.0	86.0	110.8	132.5	−74.7	81.7	86.0	110.8	132.5	−74.7	81.7

n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
0.0	1.0	j99g	l77c		0.0	1.0	0.774	0.0	1.0	0.774
n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
0.0	1.0	j57g	y100l		0.425	1.0	0.0	0.425	1.0	0.0

3 Colours no. *j*=1078

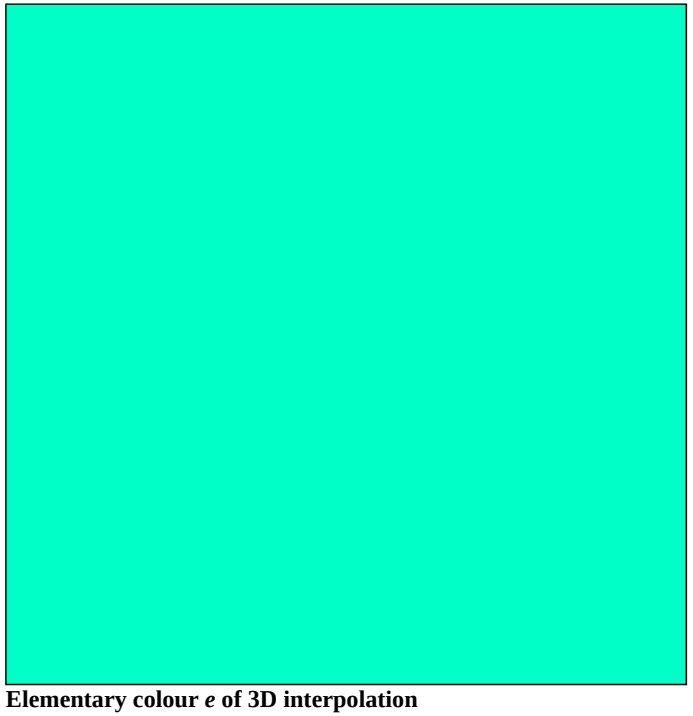
output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	0.0	1.0	0.0	0.0	1.0	0.774	0.0	1.0	0.775
$rgb^*_{Fa,\ 8bit}$	0	255	0	0	255	197	0	255	198
L^*, C^*_{ab}, h_{ab}	84.4	118.0	132.6	85.7	63.5	162.2	85.8	63.5	159.9
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	70.2	70.2	3D−it:	2.6	2.6	

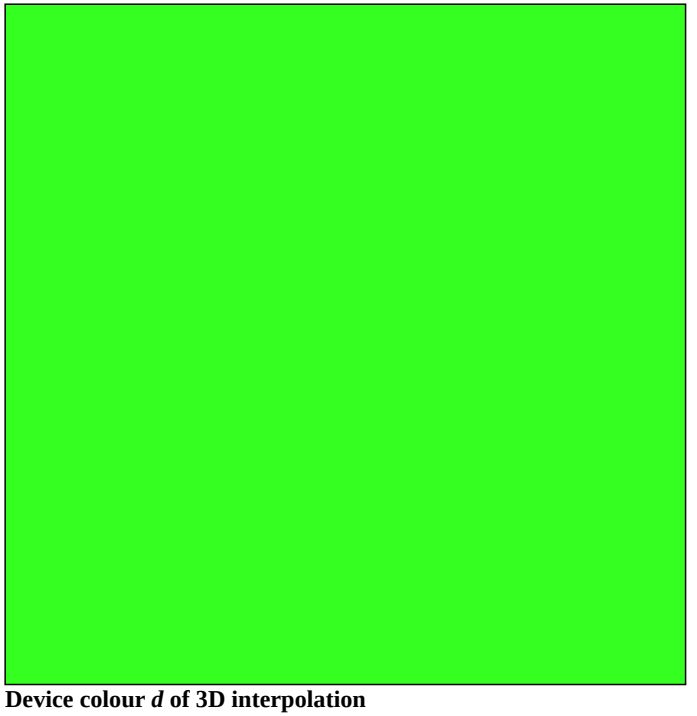
3 Colours no. *j*=1078

output of the device colour *d*:

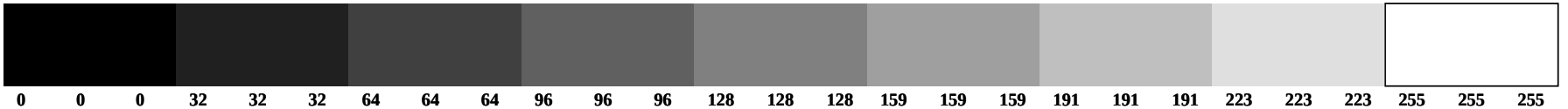
rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	0.0	1.0	0.0	0.425	1.0	0.0	0.206	1.0	0.125
$olv^*_{Fa,\ 8bit}$	0	255	0	108	255	0	53	255	32
L^*, C^*_{ab}, h_{ab}	84.4	118.0	132.6	86.0	110.8	132.5	86.9	109.4	131.4
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	7.4	7.4	3D−in:	9.3	9.3	



Elementary colour *e* of 3D interpolation



Device colour *d* of 3D interpolation



rgb	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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See original or copy: http://web.me.com/klaus.richter/KE99/KE99L0NP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20100801-KE99/KE99L0NP.PDF /.PS
application for measurement of printer or monitor systems
TUB material: code=rha4ta

n_{rgb}	*rgb* −> $rgb^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mae}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fae}$					n^*_{Fae}	c^*_{Fae}	u^*_{Fae}	d_{Fae}	d^*_{Fae}	$olv^*_{3Mae,it}$			$olv^*_{3Fae,it}$		
1079	1.0	0.0	1.0	330.0	57.9	105.3	328.6	89.9	−54.7	57.9	105.3	328.6	89.9	−54.7	0.0	1.0	b50r	m02o		1.0	0.0	0.976	1.0	0.0	0.976
n_{rgb}	*rgb* −> $olv^*_{3Fa,in}$			h_{rgb}	$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Mad}$					$[L^*, C^*_{ab}, h_{ab}, a^*, b^*]_{Fad}$					n^*_{Fad}	c^*_{Fad}	u^*_{Fad}	d_{Fad}	d^*_{Fad}	$rgb^*_{3Mad,it}$			$rgb^*_{3Fad,it}$		
1079	1.0	0.0	1.0	330.0	56.9	108.7	326.6	90.7	−59.7	56.9	108.7	326.6	90.7	−59.7	0.0	1.0	b47r	m00o		0.965	0.0	1.0	0.965	0.0	1.0

3 Colours no. *j*=1079

output of the elementary colour *e*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
rgb^*_{Fa}	1.0	0.0	1.0	1.0	0.0	0.976	1.0	0.0	0.974
$rgb^*_{Fa,\ 8bit}$	255	0	255	255	0	249	255	0	248
L^*, C^*_{ab}, h_{ab}	58.5	108.8	326.6	57.9	105.3	328.6	59.6	106.2	330.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	5.1	5.1	3D−it:	4.3	4.3	

3 Colours no. *j*=1079

output of the device colour *d*:

rgb input (in):				linear interpolation (it):			3D interpolation (3D):		
olv^*_{Fa}	1.0	0.0	1.0	0.965	0.0	1.0	1.0	0.0	1.0
$olv^*_{Fa,\ 8bit}$	255	0	255	246	0	255	255	0	255
L^*, C^*_{ab}, h_{ab}	58.5	108.8	326.6	56.9	108.7	326.6	58.4	108.7	326.7
$\Delta E^*_{ab}, \overline{\Delta E^*_m}$			it−in:	1.6	1.6	3D−in:	0.2	0.2	

Elementary colour *e* of 3D interpolation

Device colour *d* of 3D interpolation

rgb																									
	0	0	0	32	32	32	64	64	64	96	96	96	128	128	128	159	159	159	191	191	191	223	223	223	255	255	255

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input: *rgb−>rgb*/olv* setrgbcolor*
output: no change compared to input