GRAPHML CHEAT-SHEET

ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
		MAIN ELEMENTS	
GRAPML	<pre><graphml engine="" version=""> <!-- content--> </graphml></pre>	<pre>[ROOT ELEMENT] Contains all graphml elements of the current document. Each graphml document should only contain one graphml element. version [optional] The graphml version: latest [default] (the latest supported graphml version)</pre>	<pre><graphml engine="cairo" version="latest"> <!-- content--> </graphml></pre>
IMG	<pre> <!-- content--> </pre>	[CHILD OF <graphml>] Contains all instructions the render an image. Various img elements may be used to create various images. id [optional] The image id: Any non empty string can be used. W The image width: A relative value. h The image height: A relative value.</graphml>	<pre><graphml> </graphml></pre>
		GRADIENT ELEMENTS (Elements used during gradients creat	ion)

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ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
GRADIENT	<pre> <gradient begin="" end="" id="" type=""></gradient></pre>	[CHILD OF <graphml>] Generates a stored gradient that can be used in any image in the current graphml document. id The gradient id: Any string can be used. type The gradient type: linear radial</graphml>	<pre> <gradient begin="0%, 0%" end="100%,100%" id="grad1" type="linear"></gradient></pre>
		<pre>begin [depends on type] Gradient begin point-data: [if type is linear]: Xi,Yi [else if type is radial]: Xi,Yi,Ri Where >> Xi -> the initial X coordinate, Yi -> the initial Padius, << Are relative values.</pre>	<pre><gradient begin="50%, 50%,10%" end="50%,50% 50%" id="grad1" type="radial"></gradient></pre>
		<pre>end [depends on type] Gradient end point-data:</pre>	

ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
COLORSTOP		[CHILD OF <gradient>]</gradient>	
		Gradient color stop.	
		step	
		The position to place a color:	
		► A relative value.	
		color	
		The color to be placed:	
		► A color in the format	
		r,g,b or r,g,b,a	
		Where >>	
		r -> red channel,	
		g -> green channel,	
		b -> blue channel,	
		a -> alpha channel	
		<< Are all relative values.	
		Or in the format	
		rgb(r,g,b)or rgba(r,g,b,a)	
		Where >> r,g,b,a << Are values between	
		(including) 0 and 255.	
		I/O ELEMENTS	
		(Elements used to import or export ima	iges)
IMPORT	<pre><import filename="" id=""></import></pre>	[CHILD OF <graphml>]</graphml>	<pre><import filename="image.png" id="image1"></import></pre>
		Imports an image, allowing graphml to use it	
		for drawing (with paint, fill or stroke).	
		id	
		The image id:	
		► Any non empty string can be used.	
		<pre>filename [PNG file]</pre>	
		The image id:	
		▶ The path of the image to import.	

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ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
EXPORT	<export filename=""></export>	<pre>[CHILD OF] Exports an image.</pre>	<export filename="image.png"></export>
		filename [PNG file] The image id: ▶ The path of the image to export.	
		PATH ELEMENTS (Elements used to specify the draw page)	ath)
PATH	<pre><path id=""> <move x="" y=""></move> line x="" y="" mode =""/> <curve begin="" end="" middle="" mode=""></curve></path></pre>	<pre>[CHILD OF <graphml>] Creates a path, tha can be use by graphml:apply to draw (with fill or stroke). id The path id: ▶ Any non empty string can be used.</graphml></pre>	<pre><path id="path1"></path></pre>
MOVE	<pre><arc begin="" center="" end="" radius=""></arc> <rect h="" w="" x="" y=""></rect> <close></close> </pre>	[CHILD OF <path>] Moves the graphml "pencil" to a new position. X The new position X coordinate: ▶ A relative value. y The new position Y coordinate: ▶ A relative value.</path>	end="90%,50%"/>

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ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
LINE	SYNTAX	[CHILD OF <path>] Creates a line to a specified position. X The new position X coordinate: A relative value. y The new position Y coordinate: A relative value.</path>	EXAMPLE
		<pre>mode The line mode:</pre>	

ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
CURVE		[CHILD OF <path>]</path>	
		Creates a curve to a specified position.	
		begin The start point of the curve.	
		The start point of the curve: ▶ Xb, Yb	
		Where >>	
		Xb -> the initial X coordinate,	
		Yb -> the initial Y coordinate,	
		<< Are relative values.	
		middle	
		The middle point of the curve:	
		► Xm, Ym	
		Where >>	
		Xm -> the middle X coordinate,	
		Ym -> the middle Y coordinate,	
		<< Are relative values.	
		end	
		The end point of the curve:	
		► Xe, Ye	
		Where >>	
		Xe -> the end X coordinate,	
		Ye -> the end Y coordinate,	
		<< Are relative values.	
		mode	
		The curve mode:	
		► normal [default] (similar to line normal mode)	
		[Described in PAINT] > relative (similar to line relative mode)	
		[Described in PAINT]	
		[CHILD OF <path>]</path>	
CLOSE		Caucas graphml to along the noth	
		Causes graphml to close the path.	

ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
RECT	<pre><rect h="" w="" x="" y=""> <!-- graphml drawing instructions --> </rect></pre>	Causes graphml to draw content inside of a rectangle shape. The rect element can also be used inside of paths, as shown before. X The rectangle X coordinate:	<pre><rect h="80%" w="80%" x="10%" y="10%"> <!-- graphml drawing instructions--> </rect></pre>
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ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
ARC	<pre><arc begin="" center="" end="" radius=""> <!-- graphml drawing instructions --> </arc></pre>	Causes graphml to draw content inside of an arc shape. The arc element can also be used inside of paths, as shown before. center The arc center: > X, Y Where >> X -> the arc center X coordinate, Y -> the arc center Y coordinate, < Are relative values. radius The arc radius: > A relative value. begin The arc begin angle: > A radian value. end The arc end angle: > A radian value.	<pre><arc begin="0" center="50%,50%" end="rad(360)" radius="50%"></arc></pre>
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ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
APPLY	<pre><apply path=""> <!-- graphml drawing instructions--> </apply></pre>	[CHILD OF] Allows graphml to draw content inside of a path. path The path to draw: ▶Id of a valid path.	<pre><apply path="path3"> <!-- graphml drawing instructions--> </apply></pre>
PAINT	<pre><paint image=""></paint></pre>	[CHILD OF] Causes graphml to draw content to the whole	<pre><paint image="img1"></paint></pre>
	<pre><paint gradient=""></paint></pre>	<pre>image. image [unique to gradient and color arg] The id of the image to paint:</pre>	<pre><paint gradient="grad1"></paint></pre>
	<pre><paint color=""></paint></pre>	<pre>▶ Image id (string). gradient [unique to image and color arg] The id of the gradient to paint: ▶ Gradient id (string). color [unique to gradient and image arg] The color to paint: ▶ [Described in COLORSTOP]</pre>	<pre><paint color="rgb(0,0,0)"></paint></pre>
FILL	<fill image=""></fill>	<pre>[CHILD OF] Causes graphml to draw content to the current rect, arc or path. image [Described in PAINT]</pre>	<fill image="img1"></fill>
	<fill gradient=""></fill>		<fill gradient="grad1"></fill>
	<fill color=""></fill>	<pre>gradient [Described in PAINT] color [Described in PAINT]</pre>	<fill color="rgb(0,0,0)"></fill>
STROKE	<pre><stroke cap="" imagem="" join="" width=""></stroke></pre>	<pre>[CHILD OF] Causes graphml to stroke content to the current rect, arc or path.</pre>	<pre></pre>

ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
	<pre><stroke cap="" gradient="" join="" width=""></stroke></pre>	<pre>image [Described in PAINT] gradient [Described in PAINT] color [Described in PAINT] cap Line cap mode (line bounds): butt , round or square join Line join mode (line connections): bevel , round or miter</pre>	
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ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
	<pre><stroke cap="" color="" join="" width=""></stroke></pre>		
TRANSLATE	<translate x="" y=""> <!-- graphml instructions--> </translate>	Causes graphml to move the position where a draw event is about to happen. The translate element moves the current draw point allowing image changing the original x and y coordinates of its children. X X coordinate translation: A relative value. Y Y coordinate translation: A relative value.	<pre><translate x="0.3" y="0.3"></translate></pre>

ELEMENT	SYNTAX	DESCRIPTION & PARAMETERS	EXAMPLE
SCALE	<pre><scale x="" y=""> <!-- graphml instructions--> </scale></pre>	[CHILD OF] The scale element causes graphml to change the scale of its children, making them bigger ou smaller than the expected. X The scale to be applied in the X orientation: ▶ A relative non-zero value. y The scale to be applied in the Y orientation: ▶ A relative non-zero value.	<pre><scale x="50%" y="30%"></scale></pre>
ROTATE	<pre><rotate rad=""> <!-- graphml instructions--> </rotate></pre>	Causes graphml to rotate the its children before drawing, using the point 0,0 has reference. rad The number of radians to rotate: ▶A radian value.	<pre><translate x="50%" y="-(20%)"></translate></pre>