

Introdução ao SVG

Imagens bitmap e vetoriais

Vetor



3KB

Bitmap



26KB

Imagem SVG

```
<?xml version="1.0" standalone="no"?>
<svg width="12cm" height="4cm" viewBox="0 0 1200 400"
  xmlns="http://www.w3.org/2000/svg" version="1.1">
  <desc>Example rect01 - rectangle with sharp corners</desc>

  <!-- Show outline of viewport using 'rect' element -->
  <rect x="1" y="1" width="1198" height="398"
    fill="none" stroke="blue" stroke-width="2"/>

  <rect x="400" y="100" width="400" height="200"
    fill="yellow" stroke="navy" stroke-width="10" />
</svg>
```

- rect
- circle
- ellipse
- line
- polyline
- polygon
- mesh

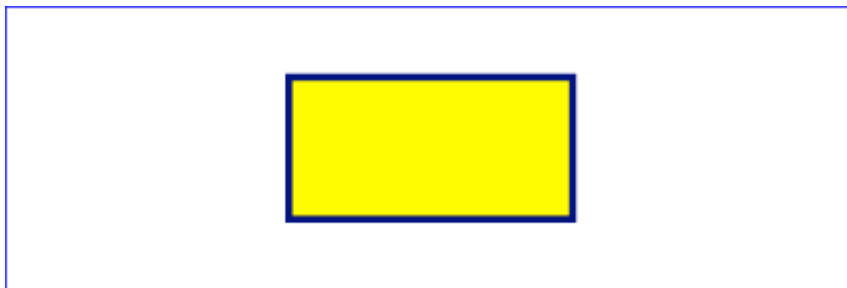


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<?xml version="1.0" standalone="no"?>  
<svg width="12cm" height="4cm" viewBox="0 0 1200 400"  
  xmlns="http://www.w3.org/2000/svg" version="1.1">  
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  <rect x="400" y="100" width="400" height="200"  
    fill="yellow" stroke="navy" stroke-width="10" />
```

```
</svg>
```

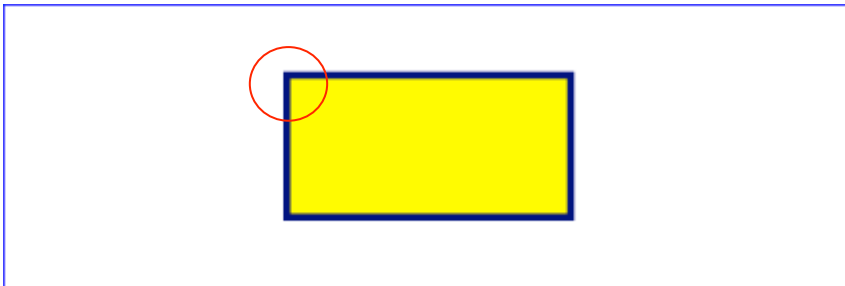


Imagem SVG

```
<?xml version="1.0" standalone="no"?>
<svg width="12cm" height="4cm" viewBox="0 0 1200 400"
  xmlns="http://www.w3.org/2000/svg" version="1.1">
  <desc>Example rect02 - rounded rectangles</desc>

  <!-- Show outline of viewport using 'rect' element -->
  <rect x="1" y="1" width="1198" height="398"
    fill="none" stroke="blue" stroke-width="2"/>

  <rect x="100" y="100" width="400" height="200" rx="50"
    fill="green" />

  <g transform="translate(700 210) rotate(-30)">
    <rect x="0" y="0" width="400" height="200" rx="50"
      fill="none" stroke="purple" stroke-width="30" />
  </g>
</svg>
```

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```
<?xml version="1.0" standalone="no"?>
<svg width="12cm" height="4cm" viewBox="0 0 1200 400"
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  <desc>Example rect02 - rounded rectangles</desc>

  <!-- Show outline of viewport using 'rect' element -->
  <rect x="1" y="1" width="1198" height="398"
    fill="none" stroke="blue" stroke-width="2"/>

  <rect x="100" y="100" width="400" height="200" rx="50"
  style="transform: skew(20deg);"
  fill="green" />

  <g transform="translate(700 210) rotate(-30)">
    <rect x="0" y="0" width="400" height="200" rx="50"
      fill="none" stroke="purple" stroke-width="30" />
  </g>
</svg>
```



Imagem SVG

```
<svg xmlns="http://www.w3.org/2000/svg" id="svg2" width="200" height="200">
<g transform="translate(0,-852.36218)">
<path
style="fill:#ff0000;stroke:#9b0000;stroke-width:10;"
d="m 144.10177,103.8611 a 51.799896,51.799896 0 1 1 -103.599794,0 51.799896,51.799896 0 1 1
103.599794,0 z"
transform="translate(5.6978374,845.45332)" />
<path
style="fill:#006a92;stroke:navy;stroke-width:10;"
d="M 106.58415,98.958225 69.586242,79.647381 32.703751,99.177762 39.636472,58.023282
9.6646592,28.981168 50.947225,22.857144 69.306117,-14.622251 87.887424,22.747375
129.20566,28.625949 99.40697,57.845672 z"
transform="translate(28.564552,907.03667)" />
<text
style="fill:#ffffff;">
<tspan
id="tspan2989"
x="62.024254"
y="948.65192">This is a star</tspan>
</text>
</g>
</svg>
```



Descrivendo a imagem SVG

```
<svg xmlns="http://www.w3.org/2000/svg" id="svg2" width="200" height="200">
<title id="title-star">Estrela azul no elemento TITLE</title>
<desc id="desc-star">Imagem de uma estrela azul sobre um círculo vermelho no elemento DESC</desc>
<g transform="translate(0,-852.36218)">
<path
style="fill:#ff0000;stroke:#9b0000;stroke-width:10;"
d="m 144.10177,103.8611 a 51.799896,51.799896 0 1 1 -103.599794,0 51.799896,51.799896 0 1 1
103.599794,0 z"
transform="translate(5.6978374,845.45332)" />
<path
style="fill:#006a92;stroke:navy;stroke-width:10;"
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9.6646592,28.981168 50.947225,22.857144 69.306117,-14.622251 87.887424,22.747375
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style="fill:#ffffff;">
<tspan
id="tspan2989"
x="62.024254"
y="948.65192">This is a star</tspan>
</text>
</g>
</svg>
```



Editores de SVG

Software	AI	CDR	ODG	PS/EPS	PDF	SVG	SWF	DXF	WMF/EMF	XAML	VSDX
Vectr	Yes	No	No	No	No	Yes	No	No	No	No	
Gravit Designer	No	No	No	Yes	No	Yes	No	No	No	No	
Aviary	No	No	No	No	No	Yes	No	No	No		
Artboard	No	No	No	No	Yes	Yes ^[13]	No	No	No	No	
CorelDRAW	Yes	Native	No	Yes	Yes	Partial ^[14]	No	Yes	Yes	No	
Dia	No	No	No	No	No	Yes	No	Yes	Yes	No	
ConceptDraw PRO	No	No	No	No	No	No	No	No	Yes	No	
LibreOffice Draw	Partial ^{[15][16]}	Yes	Native	Yes	Yes	Yes	No	Yes	Yes		Yes
Apache OpenOffice Draw	No	No	Native	Yes	Partial ^[17]	Partial ^[17]	No	Yes	Yes		
Serif DrawPlus	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes	No	
Embroidermodder	No	No	No	No	No	Partial	No	Partial	No		
Microsoft Expression Design 4	Partial	No	No	No	No	No	No	No	Yes	No	
Fatpaint	No	No	No	No	No	No	No	No	No	No	
Macromedia Freehand ^[18]	Yes	Partial ^[18]	No	Yes	Yes	No	Yes	Yes	No	No	
Adobe Illustrator	Native	Partial ^[19]	No	Yes	Yes	Yes	No	Yes	Yes		
Inkscape	Yes	Partial ^[20]	No	Yes ^[21]	Yes	Native	No	Yes ^[22]	Yes ^[23]	Partial	
Karbon14 ^[24]	No	No	Yes	Yes	No	Yes	No	No	Yes		
OmniGraffle	No	No	No	No	Yes	No ^[25]	No	No	No		Yes
Ortelius	No	No	No	No	Yes	Yes	No	No	No	No	
PhotoLine	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes		
sK1	Yes ^[26]	Yes	No	Yes	No	Yes	No	Yes	Yes		
SketchUp	No	No	No	No	Yes	No	No	Yes ^[27]	No		
Sodipodi	No	No	No	No	No	Yes	No	No	No		
SVG-edit	No	No	No	No	No	Yes	No	No	No	No	
Synfig	No	No	No	No	No	Partial ^[28]	No	No	No		
Microsoft Visio 2002	Yes	Partial ^[29]	No	Yes	No	No	No	Yes	Yes		
Microsoft Visio 2003	No	No ^[30]	No	No	No	Yes	No	Yes	Yes		
Microsoft Visio 2013	No	No ^[31]	No	No	No	Yes	No	Yes	Yes		Native
Xara Photo & Graphic Designer	Yes ^[32]	No	Yes	Yes	Yes	No	No	Yes			
Xara Xtreme for Linux ^[33]	Partial	No	No	Yes	Yes	Partial	No	No	No		