

jQuery HighchartTable

Ever wanted to convert your HTML data tables into fancy [Highcharts](#) graphs?

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About

Intro

We wanted to use [Highcharts](#) graph library but with a way to convert automatically our HTML tables containing data into graphs.

So we decided to code a jQuery plugin to make this conversion peacefully. And voila, here we are :)

[Wanna see a demo ?](#)

How it works

We use HTML5 data-* attributes to specify how the tables are rendered.

Many attributes are available to provide you a way to customize the graph.

[Full documentation](#)

Compatibility



Browsers compatibility is tied to [Highcharts browsers compatibility](#).

jQuery >= 1.4.3 is required

Licence

We provide our plugin with an MIT licence.

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Get the code

The plugin is hosted on Github.

[See us on Github](#)

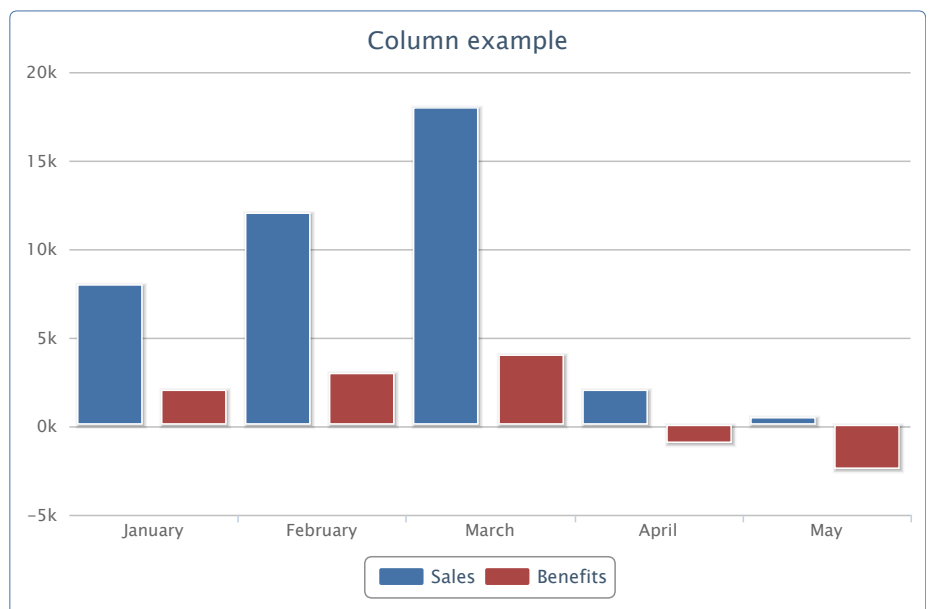
Demo

Here are some examples of HTML tables converted into graphs

First example: columns

Column example

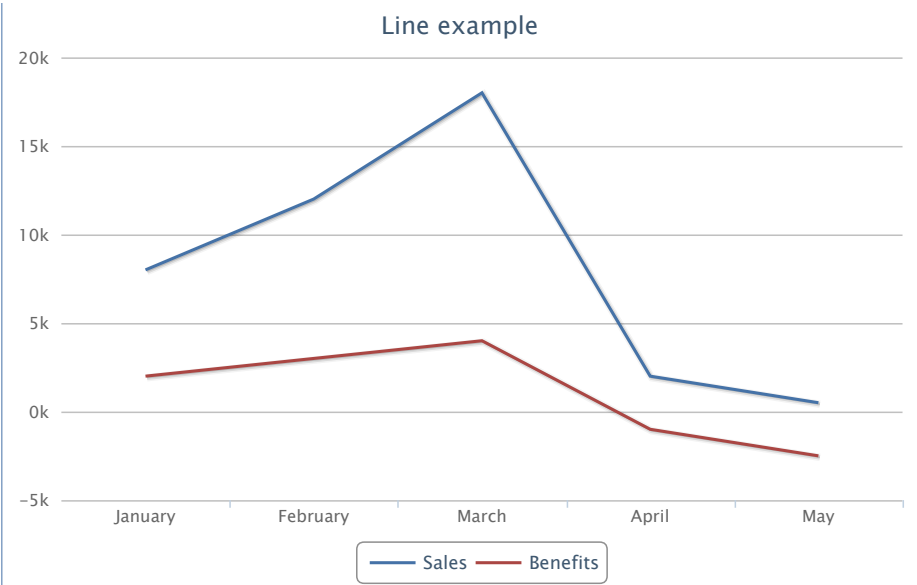
Month	Sales	Benefits
January	8000	2000
February	12000	3000
March	18000	4000
April	2000	-1000
May	500	-2500

[See the code](#)

Line example

Month	Sales	Benefits
January	8000	2000
February	12000	3000
March	18000	4000
April	2000	-1000
May	500	-2500

See the code

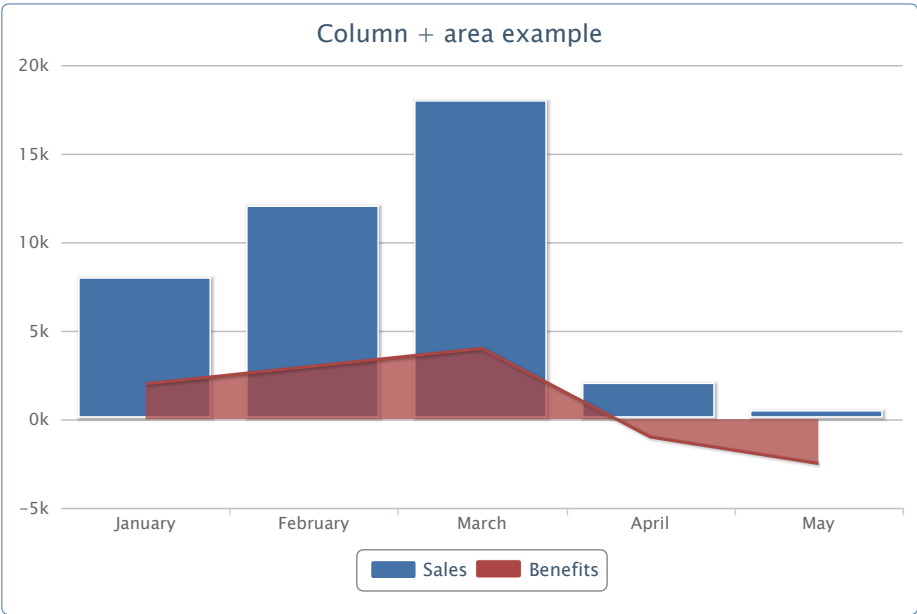


Next example: mixing render modes

Column + area example

Month	Sales	Benefits
January	8000	2000
February	12000	3000
March	18000	4000
April	2000	-1000
May	500	-2500

See the code



Download

- Latest version (2.0.0)
- Latest version (2.0.0) - minified

Documentation

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The HighchartTable plugin takes data and attributes from a table and parses them to simply create an Hightcharts chart.

The plugin does not contains [Highcharts](#) or [jQuery](#), so first of all, you must include them your page.

```
<script src="jquery.min.js" type="text/javascript"></script>
<script src="highcharts.js" type="text/javascript"></script>
<script src="jquery.highchartTable.js" type="text/javascript"></script>
```

Then you have to set some attributes to the table, like the graph type or where to render the graph.

The series names are defined in the `<thead>`, their values are defined in the `<tbody>`.

The first `<td>` of a `<tr>` contains the Xaxis value. The other ones contain the values for each series in that x value.

```
<table class="highchart" data-graph-container-before="1" data-graph-type="column">
  <thead>
    <tr>
      <th>Month</th>
      <th>Sales</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>January</td>
      <td>8000</td>
    </tr>
    <tr>
      <td>February</td>
      <td>12000</td>
    </tr>
  </tbody>
</table>
```

Then, simply call `highchartTable` on a selector that selects the prepared table. Like this :

```
$(document).ready(function() {
  $('table.highchart').highchartTable();
});
```

This will display a column graph before the table of class `highchart` according to the values defined in its `tbody`.

2. Graph

Attribute	Scope	Informations	Allowed values	Examples
	caption	The chart's main title is defined via the table caption. <pre><table><caption>this is a title</caption> </table></pre>	Any string	Example
data-graph-area-fillOpacity	table	Works only on area graphs.	Decimal from 0 to 1	Example
data-graph-container-before data-graph-container	table	There are two ways to define where the graph must be rendered. If you want a graph before the table you can use "data-graph-container-before" otherwise use "data-graph-container" and use a CSS selector to choose where to display the graph.	For data-graph-container-before : 1 For data-graph-container : a CSS selector	Example with data-graph-container-before Example with data-graph-container
data-graph-datalabels-formatter	table	Callback to format the datalabels displayed on the chart.	Name of the function to call	Example
data-graph-height	table	Graph height.	Height in px	Example
data-graph-inverted	table	Inverts the graph axes.	1	Example
data-graph-margin-bottom	table	Graph bottom margin.	Margin in px	Example
data-graph-margin-left	table	Graph left margin.	Margin in px	Example

data-graph-margin-right	table	Graph right margin.	Margin in px	Example
data-graph-margin-top	table	Graph top margin.	Margin in px	Example
data-graph-subtitle-text	table	Graph subtitle.	Any string	Example
data-graph-type	table	The data-graph-type attribute is required.	<ul style="list-style-type: none">columnlineareasplinepie	<ul style="list-style-type: none">Example columnExample lineExample areaExample splineExample pie

3. Legend

Attribute	▲	Scope	Informations	Allowed values	Examples
data-graph-legend-disabled		table	Disable the legend.	1	Example
data-graph-legend-layout		table		vertical/horizontal (default : horizontal)	Horizontal example Vertical example
data-graph-legend-width		table		width in px	Example
data-graph-legend-x		table	Legend x offset	offset in px	Example
data-graph-legend-y		table	Legend y offset	offset in px	Example

4. Series

Attribute	▲	Scope	Informations	Allowed values	Examples
data-graph-color-1		table	From data-graph-color-1 to data-graph-color-9. Where the number is the serie index (starting from 1).	hexadecimal color	Example
data-graph-dash-style		th		<ul style="list-style-type: none">dashdotlongdashshortdashshortdotshortdashdotshortdashdotdot	Example
data-graph-hidden		th	Hide the serie by default. It could be displayed by clicking on the legend.	1	Example
data-graph-skip		th	Ignores the serie.	1	Example
graph-stack-group		th	Allows to display series on the same column by setting the same data-graph-stack-group value for those series.	Any string	Example

5. Lines

Attribute	▲	Scope	Informations	Allowed values	Examples
data-graph-line-shadow		table	Area graphs has a shadow under the line. To disable it set the value of the data-graph-line-shadow attribute to 0.	0	Example
data-graph-line-width		table		width in px	Example

Attribute	Scope	Informations	Allowed values	Examples
data-graph-xaxis-end-on-tick	table	Remove margin between the line and the graph end.	1	Example
data-graph-xaxis-labels-enabled	table	Allows to specify if the labels on the X-axis must be enabled and displayed (default) or disabled.	0 / 1	Example
data-graph-xaxis-labels-font-size	table	Allows to specify the font size that should be used for labels on the X-Axis.	Valid CSS size	65% 1.5em
data-graph-xaxis-max	table	Highcharts detects the maximum values of the X axis, but sometimes it is usefull to force this value.	Decimal	Example
data-graph-xaxis-min	table	Highcharts detects the minimum values of the X axis, but sometimes it is usefull to force this value.	Decimal	Example
data-graph-xaxis-rotation	table	Default : 0	Degres	Example
data-graph-xaxis-start-on-tick	table	Remove margin between the line and Y axis.	1	Example
data-graph-xaxis-title-text	table		Any string	Example
data-graph-xaxis-type	table	Supports only one type : datetime, which displays irregular time data	datetime	Example
data-graph-yaxis-2-opposite	table	Move the second Yaxis to the right. You must use data-graph-yaxis to define which serie is on the second axis.	1	Example
data-graph-yaxis-X-formatter-callback	table	Callback to format the YAxis values. Where x is the number of the axis (generaly data-graph-yaxis-1-formatter-callback)	Name of the function to call	Example
data-graph-yaxis-X-reversed	table	Higher values are closer to the xAxis.	1	Example
data-graph-yaxis-X-stacklabels-enabled	table	Displays total on columns when they are stacked with the data-graph-stack-group attribute.	1	Example

7. Points

Attribute	Scope	Informations	Allowed values	Examples
data-graph-datalabels-align	table	Defines where to put the label according to the point position.	<ul style="list-style-type: none"> right center left 	Example
data-graph-datalabels-color	table th	Informations Change the datalabel color. Could be defined for all the chart on the table tag or just for one serie on the th tag. The th tag value overrides the table tag value.	Allowed values Any string	Examples Example
data-graph-datalabels-enabled	table th	Displays values on each point of the graph. Could be defined for all the chart on the table tag or just for one serie on the th tag. The th tag value overrides the table tag value.	1 or 0	Example
data-graph-point-callback	table		Name of the function to call, the first parameter is an Highcharts Point object	Example

8. Vertical Lines

Attribute	Scope	Informations	Allowed values	Examples
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data-graph-vline-name	th	Value displayed on the vertical line tooltip.	decimal	Example
data-graph-vline-x	th	Arbitrary draws a vertical line in the graph. Must be used with the data-graph-vline-height attribute.	decimal	Example

9. Pie charts specific options

Attribute	Scope	Informations	Allowed values	Examples
data-graph-item-color	td		hexadecimal color	Example
data-graph-item-highlight	td	Moves the serie outside the chart to be more visible.	1	Example
data-graph-name	th	Sector's name in a pie chart	Any string	Example

10. Dynamic options in javascript

Just before the graph is rendered, an event is triggered, which allows you to change the Highchart chart options.

For example, let's say that you want to define the colors of your data series according to the graph container. Instead of doing this on server-side on every chart you have, you will do this on the client side using the **highchartTable.beforeRender** jQuery custom event.

The second parameter contains the objet that will be passed to the Highcharts.Chart function. That's the one you must modify in order to change the colors of the graph.

The documentation about this object is available in the [Highcharts doc](#).

```
$('#table.highchart')
    .bind('highchartTable.beforeRender', function(event, highChartConfig) {
        highChartConfig.colors = ['#104C4C', '#88CCCC', '#228E8E', '#CCFFFF', '#00CCCC', '#3399CC'];
    })
    .highchartTable();
```

11. Changes

In issue [8](#) we removed the default value for the graph-yaxis-X-title-text attribute. If you were using it, here is an example of how you can get the default value back :

```
$('#table.highchart')
    .bind('highchartTable.beforeRender', function(event, highChartTable) {
        $.each(highChartTable.yAxis, function(index, value) {
            value.title.text = value.title.text || 'Valeur';
        });
    });
```

License

HighchartsTable

The highchartsTable plugin is under [MIT license](#).

Highcharts

In order to use HighchartsTable, you need to include the Highcharts Javascript library in your page which have a different license than highchartsTable.

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