 [Chart.js](http://docs.google.com/docs/3.9.1/)

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Ecosystem Ecosystem

* [Awesome (opens new window)](https://github.com/chartjs/awesome)
* [Slack (opens new window)](https://chartjs-slack.herokuapp.com/)
* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

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* General
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  + [Animations](http://docs.google.com/docs/3.9.1/configuration/animations.html)
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* Chart Types
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[**#**](#gjdgxs) Elements

While chart types provide settings to configure the styling of each dataset, you sometimes want to style **all datasets the same way**. A common example would be to stroke all of the bars in a bar chart with the same colour but change the fill per dataset. Options can be configured for four different types of elements: [**arc**](#30j0zll), [**lines**](#1fob9te), [**points**](#3znysh7), and [**bars**](#2et92p0). When set, these options apply to all objects of that type unless specifically overridden by the configuration attached to a dataset.

## [**#**](#tyjcwt) Global Configuration

The element options can be specified per chart or globally. The global options for elements are defined in Chart.defaults.elements. For example, to set the border width of all bar charts globally you would do:

Chart.defaults.elements.bar.borderWidth = 2;

## [**#**](#3znysh7) Point Configuration

Point elements are used to represent the points in a line, radar or bubble chart.

Namespace: options.elements.point, global point options: Chart.defaults.elements.point.

| Name | Type | Default | Description |
| --- | --- | --- | --- |
| radius | number | 3 | Point radius. |
| [pointStyle](#3dy6vkm) | [pointStyle](#1t3h5sf) | 'circle' | Point style. |
| rotation | number | 0 | Point rotation (in degrees). |
| backgroundColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | Chart.defaults.backgroundColor | Point fill color. |
| borderWidth | number | 1 | Point stroke width. |
| borderColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | 'Chart.defaults.borderColor | Point stroke color. |
| hitRadius | number | 1 | Extra radius added to point radius for hit detection. |
| hoverRadius | number | 4 | Point radius when hovered. |
| hoverBorderWidth | number | 1 | Stroke width when hovered. |

### [**#**](#3dy6vkm) Point Styles

#### [**#**](#1t3h5sf) Types

The pointStyle argument accepts the following type of inputs: string, Image and HTMLCanvasElement

#### [**#**](#4d34og8) Info

When a string is provided, the following values are supported:

* 'circle'
* 'cross'
* 'crossRot'
* 'dash'
* 'line'
* 'rect'
* 'rectRounded'
* 'rectRot'
* 'star'
* 'triangle'

If the value is an image or a canvas element, that image or canvas element is drawn on the canvas using [drawImage (opens new window)](https://developer.mozilla.org/en/docs/Web/API/CanvasRenderingContext2D/drawImage).

## [**#**](#1fob9te) Line Configuration

Line elements are used to represent the line in a line chart.

Namespace: options.elements.line, global line options: Chart.defaults.elements.line.

| Name | Type | Default | Description |
| --- | --- | --- | --- |
| tension | number | 0 | Bézier curve tension (0 for no Bézier curves). |
| backgroundColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | Chart.defaults.backgroundColor | Line fill color. |
| borderWidth | number | 3 | Line stroke width. |
| borderColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | Chart.defaults.borderColor | Line stroke color. |
| borderCapStyle | string | 'butt' | Line cap style. See [MDN (opens new window)](https://developer.mozilla.org/en/docs/Web/API/CanvasRenderingContext2D/lineCap). |
| borderDash | number[] | [] | Line dash. See [MDN (opens new window)](https://developer.mozilla.org/en-US/docs/Web/API/CanvasRenderingContext2D/setLineDash). |
| borderDashOffset | number | 0.0 | Line dash offset. See [MDN (opens new window)](https://developer.mozilla.org/en-US/docs/Web/API/CanvasRenderingContext2D/lineDashOffset). |
| borderJoinStyle | 'round'|'bevel'|'miter' | 'miter' | Line join style. See [MDN (opens new window)](https://developer.mozilla.org/en-US/docs/Web/API/CanvasRenderingContext2D/lineJoin). |
| capBezierPoints | boolean | true | true to keep Bézier control inside the chart, false for no restriction. |
| cubicInterpolationMode | string | 'default' | Interpolation mode to apply. [See more...](http://docs.google.com/docs/3.9.1/charts/line.html#cubicinterpolationmode) |
| fill | boolean|string | false | How to fill the area under the line. See [area charts](http://docs.google.com/docs/3.9.1/charts/area.html#filling-modes). |
| stepped | boolean | false | true to show the line as a stepped line (tension will be ignored). |

## [**#**](#2et92p0) Bar Configuration

Bar elements are used to represent the bars in a bar chart.

Namespace: options.elements.bar, global bar options: Chart.defaults.elements.bar.

| Name | Type | Default | Description |
| --- | --- | --- | --- |
| backgroundColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | Chart.defaults.backgroundColor | Bar fill color. |
| borderWidth | number | 0 | Bar stroke width. |
| borderColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | Chart.defaults.borderColor | Bar stroke color. |
| borderSkipped | string | 'start' | Skipped (excluded) border: 'start', 'end', 'middle', 'bottom', 'left', 'top', 'right' or false. |
| borderRadius | number|object | 0 | The bar border radius (in pixels). |
| inflateAmount | number|'auto' | 'auto' | The amount of pixels to inflate the bar rectangle(s) when drawing. |
| [pointStyle](#3dy6vkm) | string|Image|HTMLCanvasElement | 'circle' | Style of the point for legend. |

## [**#**](#30j0zll) Arc Configuration

Arcs are used in the polar area, doughnut and pie charts.

Namespace: options.elements.arc, global arc options: Chart.defaults.elements.arc.

| Name | Type | Default | Description |
| --- | --- | --- | --- |
| angle - for polar only | number | circumference / (arc count) | Arc angle to cover. |
| backgroundColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | Chart.defaults.backgroundColor | Arc fill color. |
| borderAlign | 'center'|'inner' | 'center' | Arc stroke alignment. |
| borderColor | [Color](http://docs.google.com/docs/3.9.1/general/colors.html) | '#fff' | Arc stroke color. |
| borderJoinStyle | 'round'|'bevel'|'miter' | 'bevel'|'round' | Line join style. See [MDN (opens new window)](https://developer.mozilla.org/en-US/docs/Web/API/CanvasRenderingContext2D/lineJoin). The default is 'round' when borderAlign is 'inner' |
| borderWidth | number | 2 | Arc stroke width. |
| circular | boolean | true | By default the Arc is curved. If circular: false the Arc will be flat |

Last Updated: 8/3/2022, 12:46:38 PM

←  [Device Pixel Ratio](http://docs.google.com/docs/3.9.1/configuration/device-pixel-ratio.html)   [Interactions](http://docs.google.com/docs/3.9.1/configuration/interactions.html)  →