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

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

[API](http://docs.google.com/docs/3.9.1/api/)

[Samples](http://docs.google.com/docs/3.9.1/samples/)

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)

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

[API](http://docs.google.com/docs/3.9.1/api/)

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Ecosystem Ecosystem

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* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

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

* API
  + [Exports](http://docs.google.com/docs/3.9.1/api/)
  + Enumerations
  + Classes
  + Interfaces
    - [ActiveDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveDataPoint.html)
    - [ActiveElement](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveElement.html)
    - [AnimationEvent](http://docs.google.com/docs/3.9.1/api/interfaces/AnimationEvent.html)
    - [ArcBorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/ArcBorderRadius.html)
    - [ArcElement](http://docs.google.com/docs/3.9.1/api/interfaces/ArcElement.html)
    - [ArcHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcHoverOptions.html)
    - [ArcOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcOptions.html)
    - [ArcProps](http://docs.google.com/docs/3.9.1/api/interfaces/ArcProps.html)
    - [BarControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerChartOptions.html)
    - [BarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerDatasetOptions.html)
    - [BarElement](http://docs.google.com/docs/3.9.1/api/interfaces/BarElement.html)
    - [BarHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarHoverOptions.html)
    - [BarOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarOptions.html)
    - [BarProps](http://docs.google.com/docs/3.9.1/api/interfaces/BarProps.html)
    - [BorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/BorderRadius.html)
    - [BubbleControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleControllerDatasetOptions.html)
    - [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html)
    - [CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html)
    - [CartesianScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleTypeRegistry.html)
    - [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)
    - [ChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartComponent.html)
    - [ChartConfiguration](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfiguration.html)
    - [ChartConfigurationCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfigurationCustomTypesPerDataset.html)
    - [ChartData](http://docs.google.com/docs/3.9.1/api/interfaces/ChartData.html)
    - [ChartDataCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDataCustomTypesPerDataset.html)
    - [ChartDatasetProperties](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetProperties.html)
    - [ChartDatasetPropertiesCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetPropertiesCustomTypesPerDataset.html)
    - [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)
    - [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)
    - [CommonElementOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonElementOptions.html)
    - [CommonHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonHoverOptions.html)
    - [ComplexFillTarget](http://docs.google.com/docs/3.9.1/api/interfaces/ComplexFillTarget.html)
    - [ControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ControllerDatasetOptions.html)
    - [CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html)
    - [CoreInteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreInteractionOptions.html)
    - [CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)
    - [DatasetControllerChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/DatasetControllerChartComponent.html)
    - [DateAdapter](http://docs.google.com/docs/3.9.1/api/interfaces/DateAdapter.html)
    - [Defaults](http://docs.google.com/docs/3.9.1/api/interfaces/Defaults.html)
    - [DoughnutAnimationOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutAnimationOptions.html)
    - [DoughnutController](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutController.html)
    - [DoughnutControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerChartOptions.html)
    - [DoughnutControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerDatasetOptions.html)
    - [DoughnutMetaExtensions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutMetaExtensions.html)
    - [Element](http://docs.google.com/docs/3.9.1/api/interfaces/Element.html)
    - [ElementOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/ElementOptionsByType.html)
    - [ExtendedPlugin](http://docs.google.com/docs/3.9.1/api/interfaces/ExtendedPlugin.html)
    - [FillerControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerControllerDatasetOptions.html)
    - [FillerOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerOptions.html)
    - [FontSpec](http://docs.google.com/docs/3.9.1/api/interfaces/FontSpec.html)
    - [GridLineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/GridLineOptions.html)
    - [InteractionItem](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionItem.html)
    - [InteractionModeMap](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionModeMap.html)
    - [InteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionOptions.html)
    - [LayoutItem](http://docs.google.com/docs/3.9.1/api/interfaces/LayoutItem.html)
    - [LegendElement](http://docs.google.com/docs/3.9.1/api/interfaces/LegendElement.html)
    - [LegendItem](http://docs.google.com/docs/3.9.1/api/interfaces/LegendItem.html)
    - [LegendOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LegendOptions.html)
    - [LineControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerChartOptions.html)
    - [LineControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerDatasetOptions.html)
    - [LineElement](http://docs.google.com/docs/3.9.1/api/interfaces/LineElement.html)
    - [LineHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineHoverOptions.html)
    - [LineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineOptions.html)
    - [LineProps](http://docs.google.com/docs/3.9.1/api/interfaces/LineProps.html)
    - [ParsingOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ParsingOptions.html)
    - [Plugin](http://docs.google.com/docs/3.9.1/api/interfaces/Plugin.html)
    - [PluginChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html)
    - [PluginOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/PluginOptionsByType.html)
    - [Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)
    - [PointElement](http://docs.google.com/docs/3.9.1/api/interfaces/PointElement.html)
    - [PointHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointHoverOptions.html)
    - [PointOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointOptions.html)
    - [PointPrefixedHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedHoverOptions.html)
    - [PointPrefixedOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedOptions.html)
    - [PointProps](http://docs.google.com/docs/3.9.1/api/interfaces/PointProps.html)
    - [PolarAreaController](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaController.html)
    - [PolarAreaControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerChartOptions.html)
    - [PolarAreaControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerDatasetOptions.html)
    - [RadarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/RadarControllerDatasetOptions.html)
    - [RadialLinearScale](http://docs.google.com/docs/3.9.1/api/interfaces/RadialLinearScale.html)
    - [RadialScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/RadialScaleTypeRegistry.html)
    - [Registry](http://docs.google.com/docs/3.9.1/api/interfaces/Registry.html)
    - [ScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ScaleTypeRegistry.html)
    - [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html)
    - [ScriptableCartesianScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableCartesianScaleContext.html)
    - [ScriptableChartContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableChartContext.html)
    - [ScriptableContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableContext.html)
    - [ScriptableLineSegmentContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableLineSegmentContext.html)
    - [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)
    - [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)
    - [ScriptableTooltipContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableTooltipContext.html)
    - [Segment](http://docs.google.com/docs/3.9.1/api/interfaces/Segment.html)
    - [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)
    - [TickOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TickOptions.html)
    - [TimeScale](http://docs.google.com/docs/3.9.1/api/interfaces/TimeScale.html)
    - [TitleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TitleOptions.html)
    - [Tooltip](http://docs.google.com/docs/3.9.1/api/interfaces/Tooltip.html)
    - [TooltipCallbacks](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipCallbacks.html)
    - [TooltipItem](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipItem.html)
    - [TooltipLabelStyle](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipLabelStyle.html)
    - [TooltipModel](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipModel.html)
    - [TooltipOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipOptions.html)
    - [TooltipPosition](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPosition.html)
    - [TooltipPositionerMap](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPositionerMap.html)
    - [TypedRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/TypedRegistry.html)
    - [VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html)

[**#**](#gjdgxs) Interface: Defaults

## [**#**](#30j0zll) Hierarchy

* [CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html)<[ChartType](http://docs.google.com/docs/3.9.1/api/#charttype)>
* [ElementChartOptions](http://docs.google.com/docs/3.9.1/api/#elementchartoptions)<[ChartType](http://docs.google.com/docs/3.9.1/api/#charttype)>
* [PluginChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html)<[ChartType](http://docs.google.com/docs/3.9.1/api/#charttype)>  
  ↳ **Defaults**

## [**#**](#1fob9te) Properties

### [**#**](#3znysh7) animation

• **animation**: false | [AnimationSpec](http://docs.google.com/docs/3.9.1/api/#animationspec)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> & { onComplete?: (event: [AnimationEvent](http://docs.google.com/docs/3.9.1/api/interfaces/AnimationEvent.html)) => void ; onProgress?: (event: [AnimationEvent](http://docs.google.com/docs/3.9.1/api/interfaces/AnimationEvent.html)) => void }

#### [**#**](#2et92p0) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[animation](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#animation)

#### [**#**](#tyjcwt) Defined in

[index.esm.d.ts:1640 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1640)

### [**#**](#3dy6vkm) animations

• **animations**: [AnimationsSpec](http://docs.google.com/docs/3.9.1/api/#animationsspec)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>

#### [**#**](#1t3h5sf) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[animations](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#animations)

#### [**#**](#4d34og8) Defined in

[index.esm.d.ts:1650 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1650)

### [**#**](#2s8eyo1) aspectRatio

• **aspectRatio**: number

Canvas aspect ratio (i.e. width / height, a value of 1 representing a square canvas). Note that this option is ignored if the height is explicitly defined either as attribute or via the style.

**default** 2

#### [**#**](#17dp8vu) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[aspectRatio](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#aspectratio)

#### [**#**](#3rdcrjn) Defined in

[index.esm.d.ts:1505 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1505)

### [**#**](#26in1rg) backgroundColor

• **backgroundColor**: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<[Color](http://docs.google.com/docs/3.9.1/api/#color), [ScriptableContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableContext.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>>

base background color

**see** Defaults.backgroundColor

#### [**#**](#lnxbz9) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[backgroundColor](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#backgroundcolor)

#### [**#**](#35nkun2) Defined in

[index.esm.d.ts:1474 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1474)

### [**#**](#1ksv4uv) borderColor

• **borderColor**: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<[Color](http://docs.google.com/docs/3.9.1/api/#color), [ScriptableContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableContext.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>>

base border color

**see** Defaults.borderColor

#### [**#**](#44sinio) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[borderColor](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#bordercolor)

#### [**#**](#2jxsxqh) Defined in

[index.esm.d.ts:1479 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1479)

### [**#**](#z337ya) clip

• **clip**: number | false | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)

How to clip relative to chartArea. Positive value allows overflow, negative value clips that many pixels inside chartArea. 0 = clip at chartArea. Clipping can also be configured per side: clip: {left: 5, top: false, right: -2, bottom: 0}

#### [**#**](#3j2qqm3) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[clip](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#clip)

#### [**#**](#1y810tw) Defined in

[index.esm.d.ts:1463 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1463)

### [**#**](#4i7ojhp) color

• **color**: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<[Color](http://docs.google.com/docs/3.9.1/api/#color), [ScriptableContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableContext.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>>

base color

**see** Defaults.color

#### [**#**](#2xcytpi) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[color](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#color)

#### [**#**](#1ci93xb) Defined in

[index.esm.d.ts:1469 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1469)

### [**#**](#3whwml4) datasets

• **datasets**: Object

#### [**#**](#2bn6wsx) Type declaration

| Name | Type |
| --- | --- |
| bar | [BarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerDatasetOptions.html) |
| bubble | [BubbleControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleControllerDatasetOptions.html) |
| doughnut | [DoughnutControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerDatasetOptions.html) |
| line | [LineControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerDatasetOptions.html) & [FillerControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerControllerDatasetOptions.html) |
| pie | [DoughnutControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerDatasetOptions.html) |
| polarArea | [PolarAreaControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerDatasetOptions.html) |
| radar | [RadarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/RadarControllerDatasetOptions.html) & [FillerControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerControllerDatasetOptions.html) |
| scatter | [LineControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerDatasetOptions.html) |

#### [**#**](#qsh70q) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[datasets](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#datasets)

#### [**#**](#3as4poj) Defined in

[index.esm.d.ts:1450 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1450)

### [**#**](#1pxezwc) devicePixelRatio

• **devicePixelRatio**: number

Override the window's default devicePixelRatio.

**default** window.devicePixelRatio

#### [**#**](#49x2ik5) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[devicePixelRatio](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#devicepixelratio)

#### [**#**](#2p2csry) Defined in

[index.esm.d.ts:1522 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1522)

### [**#**](#147n2zr) elements

• **elements**: [ElementOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/ElementOptionsByType.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>

#### [**#**](#3o7alnk) Inherited from

ElementChartOptions.elements

#### [**#**](#23ckvvd) Defined in

[index.esm.d.ts:2047 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2047)

### [**#**](#ihv636) events

• **events**: keyof HTMLElementEventMap[]

The events option defines the browser events that the chart should listen to for tooltips and hovering.

**default** ['mousemove', 'mouseout', 'click', 'touchstart', 'touchmove']

#### [**#**](#32hioqz) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[events](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#events)

#### [**#**](#1hmsyys) Defined in

[index.esm.d.ts:1532 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1532)

### [**#**](#41mghml) font

• **font**: Partial<[FontSpec](http://docs.google.com/docs/3.9.1/api/interfaces/FontSpec.html)>

base font

**see** Defaults.font

#### [**#**](#2grqrue) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[font](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#font)

#### [**#**](#vx1227) Defined in

[index.esm.d.ts:1484 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1484)

### [**#**](#3fwokq0) hover

• **hover**: [CoreInteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreInteractionOptions.html)

#### [**#**](#1v1yuxt) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[hover](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#hover)

#### [**#**](#4f1mdlm) Defined in

[index.esm.d.ts:1526 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1526)

### [**#**](#2u6wntf) indexAxis

• **indexAxis**: "x" | "y"

The base axis of the chart. 'x' for vertical charts and 'y' for horizontal charts.

**default** 'x'

#### [**#**](#19c6y18) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[indexAxis](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#indexaxis)

#### [**#**](#3tbugp1) Defined in

[index.esm.d.ts:1458 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1458)

### [**#**](#28h4qwu) interaction

• **interaction**: [CoreInteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreInteractionOptions.html)

#### [**#**](#nmf14n) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[interaction](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#interaction)

#### [**#**](#37m2jsg) Defined in

[index.esm.d.ts:1524 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1524)

### [**#**](#1mrcu09) layout

• **layout**: Partial<{ autoPadding: boolean ; padding: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<number | Partial<[ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)>, [ScriptableContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableContext.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>> }>

#### [**#**](#46r0co2) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[layout](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#layout)

#### [**#**](#2lwamvv) Defined in

[index.esm.d.ts:1544 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1544)

### [**#**](#111kx3o) locale

• **locale**: string

Locale used for number formatting (using Intl.NumberFormat).

**default** user's browser setting

#### [**#**](#3l18frh) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[locale](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#locale)

#### [**#**](#206ipza) Defined in

[index.esm.d.ts:1511 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1511)

### [**#**](#4k668n3) maintainAspectRatio

• **maintainAspectRatio**: boolean

Maintain the original canvas aspect ratio (width / height) when resizing.

**default** true

#### [**#**](#2zbgiuw) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[maintainAspectRatio](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#maintainaspectratio)

#### [**#**](#1egqt2p) Defined in

[index.esm.d.ts:1494 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1494)

### [**#**](#3ygebqi) normalized

• **normalized**: boolean

Chart.js is fastest if you provide data with indices that are unique, sorted, and consistent across datasets and provide the normalized: true option to let Chart.js know that you have done so.

#### [**#**](#2dlolyb) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[normalized](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#normalized)

#### [**#**](#sqyw64) Defined in

[index.esm.d.ts:58 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L58)

### [**#**](#3cqmetx) parsing

• **parsing**: false | { [key: string]: string; }

How to parse the dataset. The parsing can be disabled by specifying parsing: false at chart options or dataset. If parsing is disabled, data must be sorted and in the formats the associated chart type and scales use internally.

#### [**#**](#1rvwp1q) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[parsing](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#parsing)

#### [**#**](#4bvk7pj) Defined in

[index.esm.d.ts:49 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L49)

### [**#**](#2r0uhxc) plugins

• **plugins**: [PluginOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/PluginOptionsByType.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>

#### [**#**](#1664s55) Inherited from

[PluginChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html).[plugins](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html#plugins)

#### [**#**](#3q5sasy) Defined in

[index.esm.d.ts:2845 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2845)

### [**#**](#25b2l0r) resizeDelay

• **resizeDelay**: number

Delay the resize update by give amount of milliseconds. This can ease the resize process by debouncing update of the elements.

**default** 0

#### [**#**](#kgcv8k) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[resizeDelay](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#resizedelay)

#### [**#**](#34g0dwd) Defined in

[index.esm.d.ts:1499 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1499)

### [**#**](#1jlao46) responsive

• **responsive**: boolean

Resizes the chart canvas when its container does (important note...).

**default** true

#### [**#**](#43ky6rz) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[responsive](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#responsive)

#### [**#**](#2iq8gzs) Defined in

[index.esm.d.ts:1489 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1489)

### [**#**](#xvir7l) scale

• **scale**: [ScaleOptionsByType](http://docs.google.com/docs/3.9.1/api/#scaleoptionsbytype)<keyof [ScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ScaleTypeRegistry.html)>

#### [**#**](#3hv69ve) Defined in

[index.esm.d.ts:659 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L659)

### [**#**](#1x0gk37) scales

• **scales**: Object

#### [**#**](#4h042r0) Type declaration

| Name | Type |
| --- | --- |
| category | { type: "category" } & Omit<[CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html), "min" | "max"> & { labels: string[] | string[][] ; max: string | number ; min: string | number } |
| linear | { type: "linear" } & [CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html) & { beginAtZero: boolean ; grace?: string | number ; suggestedMax?: number ; suggestedMin?: number ; ticks: { count: number ; format: NumberFormatOptions ; precision: number ; stepSize: number } } |
| logarithmic | { type: "logarithmic" } & [CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html) & { suggestedMax?: number ; suggestedMin?: number ; ticks: { format: NumberFormatOptions } } |
| radialLinear | { type: "radialLinear" } & [CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html) & { angleLines: { borderDash: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<number[], [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)> ; borderDashOffset: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<number, [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)> ; color: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<[Color](http://docs.google.com/docs/3.9.1/api/#color), [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)> ; display: boolean ; lineWidth: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<number, [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)> } ; animate: boolean ; beginAtZero: boolean ; grid: [GridLineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/GridLineOptions.html) ; max: number ; min: number ; pointLabels: { backdropColor: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<[Color](http://docs.google.com/docs/3.9.1/api/#color), [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)> ; backdropPadding: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<number | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html), [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)> ; borderRadius: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<number | [BorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/BorderRadius.html), [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)> ; centerPointLabels: boolean ; color: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<[Color](http://docs.google.com/docs/3.9.1/api/#color), [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)> ; display: boolean ; font: [ScriptableAndScriptableOptions](http://docs.google.com/docs/3.9.1/api/#scriptableandscriptableoptions)<Partial<[FontSpec](http://docs.google.com/docs/3.9.1/api/interfaces/FontSpec.html)>, [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)> ; padding: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<number, [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)> ; callback: (label: string, index: number) => string | number | string[] | number[] } ; startAngle: number ; suggestedMax: number ; suggestedMin: number ; ticks: [RadialTickOptions](http://docs.google.com/docs/3.9.1/api/#radialtickoptions) } |
| time | { type: "time" } & Omit<[CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html), "min" | "max"> & { adapters: { date: unknown } ; bounds: "data" | "ticks" ; max: string | number ; min: string | number ; offsetAfterAutoskip: boolean ; suggestedMax: string | number ; suggestedMin: string | number ; ticks: { source: "auto" | "data" | "labels" } ; time: { displayFormats: { [key: string]: string; } ; isoWeekday: number | boolean ; minUnit: [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) ; parser: string | (v: unknown) => number ; round: false | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) ; stepSize: number ; tooltipFormat: string ; unit: false | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) } } |
| timeseries | { type: "timeseries" } & Omit<[CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html), "min" | "max"> & { adapters: { date: unknown } ; bounds: "data" | "ticks" ; max: string | number ; min: string | number ; offsetAfterAutoskip: boolean ; suggestedMax: string | number ; suggestedMin: string | number ; ticks: { source: "auto" | "data" | "labels" } ; time: { displayFormats: { [key: string]: string; } ; isoWeekday: number | boolean ; minUnit: [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) ; parser: string | (v: unknown) => number ; round: false | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) ; stepSize: number ; tooltipFormat: string ; unit: false | [TimeUnit](http://docs.google.com/docs/3.9.1/api/#timeunit) } } |

#### [**#**](#2w5ecyt) Defined in

[index.esm.d.ts:660 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L660)

### [**#**](#1baon6m) transitions

• **transitions**: [TransitionsSpec](http://docs.google.com/docs/3.9.1/api/#transitionsspec)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>

#### [**#**](#3vac5uf) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[transitions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#transitions)

#### [**#**](#2afmg28) Defined in

[index.esm.d.ts:1651 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1651)

## [**#**](#pkwqa1) Methods

### [**#**](#39kk8xu) describe

▸ **describe**(scope, values): AnyObject

#### [**#**](#1opuj5n) Parameters

| Name | Type |
| --- | --- |
| scope | string |
| values | AnyObject |

#### [**#**](#48pi1tg) Returns

AnyObject

#### [**#**](#2nusc19) Defined in

[index.esm.d.ts:668 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L668)

### [**#**](#1302m92) get

▸ **get**(scope): AnyObject

#### [**#**](#3mzq4wv) Parameters

| Name | Type |
| --- | --- |
| scope | string |

#### [**#**](#2250f4o) Returns

AnyObject

#### [**#**](#haapch) Defined in

[index.esm.d.ts:666 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L666)

### [**#**](#319y80a) onClick

▸ **onClick**(event, elements, chart): void

Called if the event is of type 'mouseup' or 'click'. Passed the event, an array of active elements, and the chart.

#### [**#**](#1gf8i83) Parameters

| Name | Type |
| --- | --- |
| event | [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html) |
| elements | [ActiveElement](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveElement.html)[] |
| chart | [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown> |

#### [**#**](#40ew0vw) Returns

void

#### [**#**](#2fk6b3p) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[onClick](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#onclick)

#### [**#**](#upglbi) Defined in

[index.esm.d.ts:1542 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1542)

### [**#**](#3ep43zb) onHover

▸ **onHover**(event, elements, chart): void

Called when any of the events fire. Passed the event, an array of active elements (bars, points, etc), and the chart.

#### [**#**](#1tuee74) Parameters

| Name | Type |
| --- | --- |
| event | [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html) |
| elements | [ActiveElement](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveElement.html)[] |
| chart | [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown> |

#### [**#**](#4du1wux) Returns

void

#### [**#**](#2szc72q) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[onHover](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#onhover)

#### [**#**](#184mhaj) Defined in

[index.esm.d.ts:1537 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1537)

### [**#**](#3s49zyc) onResize

▸ **onResize**(chart, size): void

Called when a resize occurs. Gets passed two arguments: the chart instance and the new size.

#### [**#**](#279ka65) Parameters

| Name | Type |
| --- | --- |
| chart | [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown> |
| size | Object |
| size.height | number |
| size.width | number |

#### [**#**](#meukdy) Returns

void

#### [**#**](#36ei31r) Inherited from

[CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html).[onResize](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html#onresize)

#### [**#**](#1ljsd9k) Defined in

[index.esm.d.ts:1516 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1516)

### [**#**](#45jfvxd) override

▸ **override**(scope, values): AnyObject

#### [**#**](#2koq656) Parameters

| Name | Type |
| --- | --- |
| scope | string |
| values | AnyObject |

#### [**#**](#zu0gcz) Returns

AnyObject

#### [**#**](#3jtnz0s) Defined in

[index.esm.d.ts:669 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L669)

### [**#**](#1yyy98l) route

▸ **route**(scope, name, targetScope, targetName): void

Routes the named defaults to fallback to another scope/name. This routing is useful when those target values, like defaults.color, are changed runtime. If the values would be copied, the runtime change would not take effect. By routing, the fallback is evaluated at each access, so its always up to date.

Example:

defaults.route('elements.arc', 'backgroundColor', '', 'color')

* reads the backgroundColor from defaults.color when undefined locally

#### [**#**](#4iylrwe) Parameters

| Name | Type | Description |
| --- | --- | --- |
| scope | string | Scope this route applies to. |
| name | string | Property name that should be routed to different namespace when not defined here. |
| targetScope | string | The namespace where those properties should be routed to. Empty string ('') is the root of defaults. |
| targetName | string | The target name in the target scope the property should be routed to. |

#### [**#**](#2y3w247) Returns

void

#### [**#**](#1d96cc0) Defined in

[index.esm.d.ts:688 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L688)

### [**#**](#3x8tuzt) set

▸ **set**(values): AnyObject

#### [**#**](#2ce457m) Parameters

| Name | Type |
| --- | --- |
| values | AnyObject |

#### [**#**](#rjefff) Returns

AnyObject

#### [**#**](#3bj1y38) Defined in

[index.esm.d.ts:664 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L664)

▸ **set**(scope, values): AnyObject

#### [**#**](#1qoc8b1) Parameters

| Name | Type |
| --- | --- |
| scope | string |
| values | AnyObject |

#### [**#**](#4anzqyu) Returns

AnyObject

#### [**#**](#2pta16n) Defined in

[index.esm.d.ts:665 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L665)

←  [DateAdapter](http://docs.google.com/docs/3.9.1/api/interfaces/DateAdapter.html)   [DoughnutAnimationOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutAnimationOptions.html)  →