 [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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[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)
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    - [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)
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    - [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)
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    - [DatasetControllerChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/DatasetControllerChartComponent.html)
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    - [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)
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    - [Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)
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    - [PointPrefixedHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedHoverOptions.html)
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    - [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)
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    - [RadarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/RadarControllerDatasetOptions.html)
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    - [ScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ScaleTypeRegistry.html)
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    - [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)
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    - [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)
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    - [TooltipItem](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipItem.html)
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    - [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: TickOptions

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

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

• **backdropColor**: [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)>

Color of label backdrops.

**default** 'rgba(255, 255, 255, 0.75)'

#### [**#**](#3znysh7) Defined in

[index.esm.d.ts:2923 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2923)

### [**#**](#2et92p0) backdropPadding

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

Padding of tick backdrop.

**default** 2

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

[index.esm.d.ts:2928 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2928)

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

• **color**: [ScriptableAndArray](http://docs.google.com/docs/3.9.1/api/#scriptableandarray)<[Color](http://docs.google.com/docs/3.9.1/api/#color), [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)>

Color of tick

**see** Defaults.color

#### [**#**](#1t3h5sf) Defined in

[index.esm.d.ts:2943 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2943)

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

• **display**: boolean

If true, show tick labels.

**default** true

#### [**#**](#2s8eyo1) Defined in

[index.esm.d.ts:2938 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2938)

### [**#**](#17dp8vu) font

• **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)>, [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)>

see Fonts

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

[index.esm.d.ts:2947 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2947)

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

• **major**: Object

#### [**#**](#lnxbz9) Type declaration

| Name | Type | Description |
| --- | --- | --- |
| enabled | boolean | If true, major ticks are generated. A major tick will affect autoskipping and major will be defined on ticks in the scriptable options context. **default** false |

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

[index.esm.d.ts:2973 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2973)

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

• **padding**: number

Sets the offset of the tick labels from the axis

#### [**#**](#44sinio) Defined in

[index.esm.d.ts:2951 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2951)

### [**#**](#2jxsxqh) showLabelBackdrop

• **showLabelBackdrop**: [Scriptable](http://docs.google.com/docs/3.9.1/api/#scriptable)<boolean, [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)>

If true, draw a background behind the tick labels.

**default** false

#### [**#**](#z337ya) Defined in

[index.esm.d.ts:2956 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2956)

### [**#**](#3j2qqm3) textStrokeColor

• **textStrokeColor**: [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)>

The color of the stroke around the text.

**default** undefined

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

[index.esm.d.ts:2961 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2961)

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

• **textStrokeWidth**: [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)>

Stroke width around the text.

**default** 0

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

[index.esm.d.ts:2966 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2966)

### [**#**](#1ci93xb) z

• **z**: number

z-index of tick layer. Useful when ticks are drawn on chart area. Values <= 0 are drawn under datasets, > 0 on top.

**default** 0

#### [**#**](#3whwml4) Defined in

[index.esm.d.ts:2971 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2971)

## [**#**](#2bn6wsx) Methods

### [**#**](#qsh70q) callback

▸ **callback**(tickValue, index, ticks): string | number | string[] | number[]

Returns the string representation of the tick value as it should be displayed on the chart. See callback.

#### [**#**](#3as4poj) Parameters

| Name | Type |
| --- | --- |
| tickValue | string | number |
| index | number |
| ticks | [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)[] |

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

string | number | string[] | number[]

#### [**#**](#49x2ik5) Defined in

[index.esm.d.ts:2933 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L2933)

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