 [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/)

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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: CartesianScaleOptions

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

* [CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)  
  ↳ **CartesianScaleOptions**

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

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

• **alignToPixels**: boolean

Align pixel values to device pixels

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

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[alignToPixels](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#aligntopixels)

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

[index.esm.d.ts:1156 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1156)

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

• **axis**: "x" | "y"

Which type of axis this is. Possible values are: 'x', 'y'. If not set, this is inferred from the first character of the ID which should be 'x' or 'y'.

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

[index.esm.d.ts:3089 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3089)

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

• **bounds**: "data" | "ticks"

Scale boundary strategy (bypassed by min/max time options)

* data: make sure data are fully visible, ticks outside are removed
* ticks: make sure ticks are fully visible, data outside are truncated

**since** 2.7.0

**default** 'ticks'

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

[index.esm.d.ts:3068 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3068)

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

• **display**: boolean | "auto"

Controls the axis global visibility (visible when true, hidden when false). When display: 'auto', the axis is visible only if at least one associated dataset is visible.

**default** true

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

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

#### [**#**](#26in1rg) Defined in

[index.esm.d.ts:1152 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1152)

### [**#**](#lnxbz9) grid

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

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

[index.esm.d.ts:3107 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3107)

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

• **max**: number

User defined maximum value for the scale, overrides maximum value from data.

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

[index.esm.d.ts:3099 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3099)

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

• **min**: number

User defined minimum value for the scale, overrides minimum value from data.

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

[index.esm.d.ts:3094 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3094)

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

• **offset**: boolean

If true, extra space is added to the both edges and the axis is scaled to fit into the chart area. This is set to true for a bar chart by default.

**default** false

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

[index.esm.d.ts:3105 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3105)

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

• **position**: "left" | "right" | "bottom" | "top" | "center" | { [scale: string]: number; }

Position of the axis.

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

[index.esm.d.ts:3073 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3073)

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

• **reverse**: boolean

Reverse the scale.

**default** false

#### [**#**](#3whwml4) Inherited from

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

#### [**#**](#2bn6wsx) Defined in

[index.esm.d.ts:1161 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1161)

### [**#**](#qsh70q) stack

• Optional **stack**: string

Stack group. Axes at the same position with same stack are stacked.

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

[index.esm.d.ts:3078 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3078)

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

• Optional **stackWeight**: number

Weight of the scale in stack group. Used to determine the amount of allocated space for the scale within the group.

**default** 1

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

[index.esm.d.ts:3084 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3084)

### [**#**](#2p2csry) stacked

• Optional **stacked**: boolean | "single"

If true, data will be comprised between datasets of data

**default** false

#### [**#**](#147n2zr) Defined in

[index.esm.d.ts:3136 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3136)

### [**#**](#3o7alnk) ticks

• **ticks**: [CartesianTickOptions](http://docs.google.com/docs/3.9.1/api/#cartesiantickoptions)

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

[index.esm.d.ts:3138 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3138)

### [**#**](#ihv636) title

• **title**: Object

Options for the scale title.

#### [**#**](#32hioqz) Type declaration

| Name | Type | Description |
| --- | --- | --- |
| align | [Align](http://docs.google.com/docs/3.9.1/api/#align) | Alignment of the axis title. |
| color | [Color](http://docs.google.com/docs/3.9.1/api/#color) | Color of the axis label. |
| display | boolean | If true, displays the axis title. |
| 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)>, [ScriptableCartesianScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableCartesianScaleContext.html)> | Information about the axis title font. |
| padding | number | { bottom: number ; top: number ; y: number } | Padding to apply around scale labels. |
| text | string | string[] | The text for the title, e.g. "# of People" or "Response Choices". |

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

[index.esm.d.ts:3110 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3110)

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

• **weight**: number

The weight used to sort the axis. Higher weights are further away from the chart area.

**default** true

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

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

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

[index.esm.d.ts:1166 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1166)

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

### [**#**](#1v1yuxt) afterBuildTicks

▸ **afterBuildTicks**(axis): void

Callback that runs after ticks are created. Useful for filtering ticks.

#### [**#**](#4f1mdlm) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

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

void

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

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[afterBuildTicks](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#afterbuildticks)

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

[index.esm.d.ts:1194 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1194)

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

▸ **afterCalculateLabelRotation**(axis): void

Callback that runs after tick rotation is determined.

#### [**#**](#nmf14n) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#37m2jsg) Returns

void

#### [**#**](#1mrcu09) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[afterCalculateLabelRotation](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#aftercalculatelabelrotation)

#### [**#**](#46r0co2) Defined in

[index.esm.d.ts:1210 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1210)

### [**#**](#2lwamvv) afterDataLimits

▸ **afterDataLimits**(axis): void

Callback that runs after data limits are determined.

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

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#3l18frh) Returns

void

#### [**#**](#206ipza) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[afterDataLimits](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#afterdatalimits)

#### [**#**](#4k668n3) Defined in

[index.esm.d.ts:1186 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1186)

### [**#**](#2zbgiuw) afterFit

▸ **afterFit**(axis): void

Callback that runs after the scale fits to the canvas.

#### [**#**](#1egqt2p) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

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

void

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

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[afterFit](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#afterfit)

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

[index.esm.d.ts:1218 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1218)

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

▸ **afterSetDimensions**(axis): void

Callback that runs after dimensions are set.

#### [**#**](#1rvwp1q) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#4bvk7pj) Returns

void

#### [**#**](#2r0uhxc) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[afterSetDimensions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#aftersetdimensions)

#### [**#**](#1664s55) Defined in

[index.esm.d.ts:1178 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1178)

### [**#**](#3q5sasy) afterTickToLabelConversion

▸ **afterTickToLabelConversion**(axis): void

Callback that runs after ticks are converted into strings.

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

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#kgcv8k) Returns

void

#### [**#**](#34g0dwd) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[afterTickToLabelConversion](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#afterticktolabelconversion)

#### [**#**](#1jlao46) Defined in

[index.esm.d.ts:1202 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1202)

### [**#**](#43ky6rz) afterUpdate

▸ **afterUpdate**(axis): void

Callback that runs at the end of the update process.

#### [**#**](#2iq8gzs) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#xvir7l) Returns

void

#### [**#**](#3hv69ve) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[afterUpdate](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#afterupdate)

#### [**#**](#1x0gk37) Defined in

[index.esm.d.ts:1222 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1222)

### [**#**](#4h042r0) beforeBuildTicks

▸ **beforeBuildTicks**(axis): void

Callback that runs before ticks are created.

#### [**#**](#2w5ecyt) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

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

void

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

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[beforeBuildTicks](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#beforebuildticks)

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

[index.esm.d.ts:1190 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1190)

### [**#**](#pkwqa1) beforeCalculateLabelRotation

▸ **beforeCalculateLabelRotation**(axis): void

Callback that runs before tick rotation is determined.

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

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

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

void

#### [**#**](#48pi1tg) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[beforeCalculateLabelRotation](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#beforecalculatelabelrotation)

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

[index.esm.d.ts:1206 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1206)

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

▸ **beforeDataLimits**(axis): void

Callback that runs before data limits are determined.

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

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

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

void

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

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[beforeDataLimits](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#beforedatalimits)

#### [**#**](#319y80a) Defined in

[index.esm.d.ts:1182 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1182)

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

▸ **beforeFit**(axis): void

Callback that runs before the scale fits to the canvas.

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

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#2fk6b3p) Returns

void

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

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[beforeFit](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#beforefit)

#### [**#**](#3ep43zb) Defined in

[index.esm.d.ts:1214 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1214)

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

▸ **beforeSetDimensions**(axis): void

Callback that runs before dimensions are set.

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

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#2szc72q) Returns

void

#### [**#**](#184mhaj) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[beforeSetDimensions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#beforesetdimensions)

#### [**#**](#3s49zyc) Defined in

[index.esm.d.ts:1174 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1174)

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

▸ **beforeTickToLabelConversion**(axis): void

Callback that runs before ticks are converted into strings.

#### [**#**](#meukdy) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#36ei31r) Returns

void

#### [**#**](#1ljsd9k) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[beforeTickToLabelConversion](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#beforeticktolabelconversion)

#### [**#**](#45jfvxd) Defined in

[index.esm.d.ts:1198 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1198)

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

▸ **beforeUpdate**(axis): void

Callback called before the update process starts.

#### [**#**](#zu0gcz) Parameters

| Name | Type |
| --- | --- |
| axis | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#3jtnz0s) Returns

void

#### [**#**](#1yyy98l) Inherited from

[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html).[beforeUpdate](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html#beforeupdate)

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

[index.esm.d.ts:1170 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1170)

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