 [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)

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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)
    - [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: PointElement<T, O>

## [**#**](#30j0zll) Type parameters

| Name | Type |
| --- | --- |
| T | extends [PointProps](http://docs.google.com/docs/3.9.1/api/interfaces/PointProps.html) = [PointProps](http://docs.google.com/docs/3.9.1/api/interfaces/PointProps.html) |
| O | extends [PointOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointOptions.html) = [PointOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointOptions.html) |

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

* [Element](http://docs.google.com/docs/3.9.1/api/#element)<T, O>
* [VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html)  
  ↳ **PointElement**

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

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

• Readonly **active**: boolean

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

Element.active

#### [**#**](#3dy6vkm) Defined in

[element.d.ts:7 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L7)

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

• Readonly **options**: O

#### [**#**](#4d34og8) Inherited from

Element.options

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

[element.d.ts:8 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L8)

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

• Readonly **parsed**: CartesianParsedData

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

[index.esm.d.ts:1969 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1969)

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

• Readonly **skip**: boolean

#### [**#**](#lnxbz9) Defined in

[index.esm.d.ts:1968 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1968)

### [**#**](#35nkun2) x

• Readonly **x**: number

#### [**#**](#1ksv4uv) Inherited from

Element.x

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

[element.d.ts:5 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L5)

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

• Readonly **y**: number

#### [**#**](#z337ya) Inherited from

Element.y

#### [**#**](#3j2qqm3) Defined in

[element.d.ts:6 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L6)

## [**#**](#1y810tw) Methods

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

▸ **draw**(ctx, area?): void

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

| Name | Type |
| --- | --- |
| ctx | CanvasRenderingContext2D |
| area? | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html) |

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

void

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

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

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

[index.esm.d.ts:1685 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1685)

### [**#**](#qsh70q) getCenterPoint

▸ **getCenterPoint**(useFinalPosition?): Object

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

| Name | Type |
| --- | --- |
| useFinalPosition? | boolean |

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

Object

| Name | Type |
| --- | --- |
| x | number |
| y | number |

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

[VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html).[getCenterPoint](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html#getcenterpoint)

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

[index.esm.d.ts:1689 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1689)

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

▸ **getProps**<P>(props, final?): Pick<T, P[number]>

#### [**#**](#3o7alnk) Type parameters

| Name | Type |
| --- | --- |
| P | extends keyof T[] |

#### [**#**](#23ckvvd) Parameters

| Name | Type |
| --- | --- |
| props | P |
| final? | boolean |

#### [**#**](#ihv636) Returns

Pick<T, P[number]>

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

Element.getProps

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

[element.d.ts:12 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L12)

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

▸ Optional **getRange**(axis): number

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

| Name | Type |
| --- | --- |
| axis | "x" | "y" |

#### [**#**](#vx1227) Returns

number

#### [**#**](#3fwokq0) Inherited from

[VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html).[getRange](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html#getrange)

#### [**#**](#1v1yuxt) Defined in

[index.esm.d.ts:1690 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1690)

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

▸ **hasValue**(): boolean

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

boolean

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

Element.hasValue

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

[element.d.ts:11 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L11)

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

▸ **inRange**(mouseX, mouseY, useFinalPosition?): boolean

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

| Name | Type |
| --- | --- |
| mouseX | number |
| mouseY | number |
| useFinalPosition? | boolean |

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

boolean

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

[VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html).[inRange](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html#inrange)

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

[index.esm.d.ts:1686 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1686)

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

▸ **inXRange**(mouseX, useFinalPosition?): boolean

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

| Name | Type |
| --- | --- |
| mouseX | number |
| useFinalPosition? | boolean |

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

boolean

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

[VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html).[inXRange](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html#inxrange)

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

[index.esm.d.ts:1687 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1687)

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

▸ **inYRange**(mouseY, useFinalPosition?): boolean

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

| Name | Type |
| --- | --- |
| mouseY | number |
| useFinalPosition? | boolean |

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

boolean

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

[VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html).[inYRange](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html#inyrange)

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

[index.esm.d.ts:1688 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1688)

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

▸ **tooltipPosition**(useFinalPosition?): [Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)

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

| Name | Type |
| --- | --- |
| useFinalPosition? | boolean |

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

[Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)

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

Element.tooltipPosition

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

[element.d.ts:10 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L10)

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