 [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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* [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)

* [Information](http://docs.google.com/docs/3.9.1/samples/information.html)
* Bar Charts
* Line Charts
* Other charts
* Area charts
* Scales
* Scale Options
  + [Center Positioning](http://docs.google.com/docs/3.9.1/samples/scale-options/center.html)
  + [Grid Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/grid.html)
  + [Tick Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/ticks.html)
  + [Title Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/titles.html)
* Legend
* Title
* Subtitle
* Tooltip
* Scriptable Options
* Animations
* Advanced
* Plugins
* [Utils](http://docs.google.com/docs/3.9.1/samples/utils.html)

[**#**](#gjdgxs) Grid Configuration

This sample shows how to use scriptable grid options for an axis to control styling. In this case, the Y axis grid lines are colored based on their value. In addition, booleans are provided to toggle different parts of the X axis grid visibility.

config setup actions

// Change these settings to change the display for different parts of the X axis // grid configuiration const DISPLAY = true; const BORDER = true; const CHART\_AREA = true; const TICKS = true; const config = { type: 'line', data: data, options: { responsive: true, plugins: { title: { display: true, text: 'Grid Line Settings' } }, scales: { x: { grid: { display: DISPLAY, drawBorder: BORDER, drawOnChartArea: CHART\_AREA, drawTicks: TICKS, } }, y: { grid: { drawBorder: false, color: function(context) { if (context.tick.value > 0) { return Utils.CHART\_COLORS.green; } else if (context.tick.value < 0) { return Utils.CHART\_COLORS.red; } return '#000000'; }, }, } } }, };

// Change these settings to change the display for different parts of the X axis  
// grid configuiration  
const DISPLAY = true;  
const BORDER = true;  
const CHART\_AREA = true;  
const TICKS = true;  
const config = {  
 type: 'line',  
 data: data,  
 options: {  
 responsive: true,  
 plugins: {  
 title: {  
 display: true,  
 text: 'Grid Line Settings'  
 }  
 },  
 scales: {  
 x: {  
 grid: {  
 display: DISPLAY,  
 drawBorder: BORDER,  
 drawOnChartArea: CHART\_AREA,  
 drawTicks: TICKS,  
 }  
 },  
 y: {  
 grid: {  
 drawBorder: false,  
 color: function(context) {  
 if (context.tick.value > 0) {  
 return Utils.CHART\_COLORS.green;  
 } else if (context.tick.value < 0) {  
 return Utils.CHART\_COLORS.red;  
 }  
 return '#000000';  
 },  
 },  
 }  
 }  
 },  
};

const DATA\_COUNT = 7; const data = { labels: Utils.months({count: DATA\_COUNT}), datasets: [ { label: 'Dataset 1', data: [10, 30, 39, 20, 25, 34, -10], fill: false, borderColor: Utils.CHART\_COLORS.red, backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5), }, { label: 'Dataset 2', data: [18, 33, 22, 19, 11, -39, 30], fill: false, borderColor: Utils.CHART\_COLORS.blue, backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5), } ] };

const DATA\_COUNT = 7;  
const data = {  
 labels: Utils.months({count: DATA\_COUNT}),  
 datasets: [  
 {  
 label: 'Dataset 1',  
 data: [10, 30, 39, 20, 25, 34, -10],  
 fill: false,  
 borderColor: Utils.CHART\_COLORS.red,  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5),  
 },  
 {  
 label: 'Dataset 2',  
 data: [18, 33, 22, 19, 11, -39, 30],  
 fill: false,  
 borderColor: Utils.CHART\_COLORS.blue,  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5),  
 }  
 ]  
};

const actions = [ { name: 'Randomize', handler(chart) { chart.data.datasets.forEach(dataset => { dataset.data = Utils.numbers({count: chart.data.labels.length, min: -100, max: 100}); }); chart.update(); } }, ];

const actions = [  
 {  
 name: 'Randomize',  
 handler(chart) {  
 chart.data.datasets.forEach(dataset => {  
 dataset.data = Utils.numbers({count: chart.data.labels.length, min: -100, max: 100});  
 });  
 chart.update();  
 }  
 },  
];

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

* [Line](http://docs.google.com/docs/3.9.1/charts/line.html)
* [Options](http://docs.google.com/docs/3.9.1/general/options.html)
  + [Scriptable Options](http://docs.google.com/docs/3.9.1/general/options.html#scriptable-options)
    - [Tick Context](http://docs.google.com/docs/3.9.1/general/options.html#tick)
* [Data structures (labels)](http://docs.google.com/docs/3.9.1/general/data-structures.html)
* [Axes Styling](http://docs.google.com/docs/3.9.1/axes/styling.html)
  + [Grid Line Configuration](http://docs.google.com/docs/3.9.1/axes/styling.html#grid-line-configuration)

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

←  [Center Positioning](http://docs.google.com/docs/3.9.1/samples/scale-options/center.html)   [Tick Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/ticks.html)  →