 [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)

* [Information](http://docs.google.com/docs/3.9.1/samples/information.html)
* Bar Charts
* Line Charts
* Other charts
* Area charts
* Scales
* Scale Options
* Legend
* Title
* Subtitle
* Tooltip
* Scriptable Options
  + [Bar Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/bar.html)
  + [Bubble Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/bubble.html)
  + [Line Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/line.html)
  + [Pie Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/pie.html)
  + [Polar Area Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/polar.html)
  + [Radar Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/radar.html)
* Animations
* Advanced
* Plugins
* [Utils](http://docs.google.com/docs/3.9.1/samples/utils.html)

[**#**](#gjdgxs) Pie Chart

options data setup

function colorize(opaque, hover, ctx) { const v = ctx.parsed; const c = v < -50 ? '#D60000' : v < 0 ? '#F46300' : v < 50 ? '#0358B6' : '#44DE28'; const opacity = hover ? 1 - Math.abs(v / 150) - 0.2 : 1 - Math.abs(v / 150); return opaque ? c : Utils.transparentize(c, opacity); } function hoverColorize(ctx) { return colorize(false, true, ctx); } const config = { type: 'pie', data: data, options: { plugins: { legend: false, tooltip: false, }, elements: { arc: { backgroundColor: colorize.bind(null, false, false), hoverBackgroundColor: hoverColorize } } } };

function colorize(opaque, hover, ctx) {  
 const v = ctx.parsed;  
 const c = v < -50 ? '#D60000'  
 : v < 0 ? '#F46300'  
 : v < 50 ? '#0358B6'  
 : '#44DE28';  
 const opacity = hover ? 1 - Math.abs(v / 150) - 0.2 : 1 - Math.abs(v / 150);  
 return opaque ? c : Utils.transparentize(c, opacity);  
}  
function hoverColorize(ctx) {  
 return colorize(false, true, ctx);  
}  
const config = {  
 type: 'pie',  
 data: data,  
 options: {  
 plugins: {  
 legend: false,  
 tooltip: false,  
 },  
 elements: {  
 arc: {  
 backgroundColor: colorize.bind(null, false, false),  
 hoverBackgroundColor: hoverColorize  
 }  
 }  
 }  
};

function generateData() { return Utils.numbers({ count: DATA\_COUNT, min: -100, max: 100 }); } const data = { datasets: [{ data: generateData() }] };

function generateData() {  
 return Utils.numbers({  
 count: DATA\_COUNT,  
 min: -100,  
 max: 100  
 });  
}  
const data = {  
 datasets: [{  
 data: generateData()  
 }]  
};

const DATA\_COUNT = 5; Utils.srand(110); const actions = [ { name: 'Randomize', handler(chart) { chart.data.datasets.forEach(dataset => { dataset.data = generateData(); }); chart.update(); } }, { name: 'Toggle Doughnut View', handler(chart) { if (chart.options.cutout) { chart.options.cutout = 0; } else { chart.options.cutout = '50%'; } chart.update(); } } ];

const DATA\_COUNT = 5;  
Utils.srand(110);  
const actions = [  
 {  
 name: 'Randomize',  
 handler(chart) {  
 chart.data.datasets.forEach(dataset => {  
 dataset.data = generateData();  
 });  
 chart.update();  
 }  
 },  
 {  
 name: 'Toggle Doughnut View',  
 handler(chart) {  
 if (chart.options.cutout) {  
 chart.options.cutout = 0;  
 } else {  
 chart.options.cutout = '50%';  
 }  
 chart.update();  
 }  
 }  
];

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

* [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)
* [Doughnut and Pie Charts](http://docs.google.com/docs/3.9.1/charts/doughnut.html)

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

←  [Line Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/line.html)   [Polar Area Chart](http://docs.google.com/docs/3.9.1/samples/scriptable/polar.html)  →