

Viewpoint New Charting User Guide

June 2024

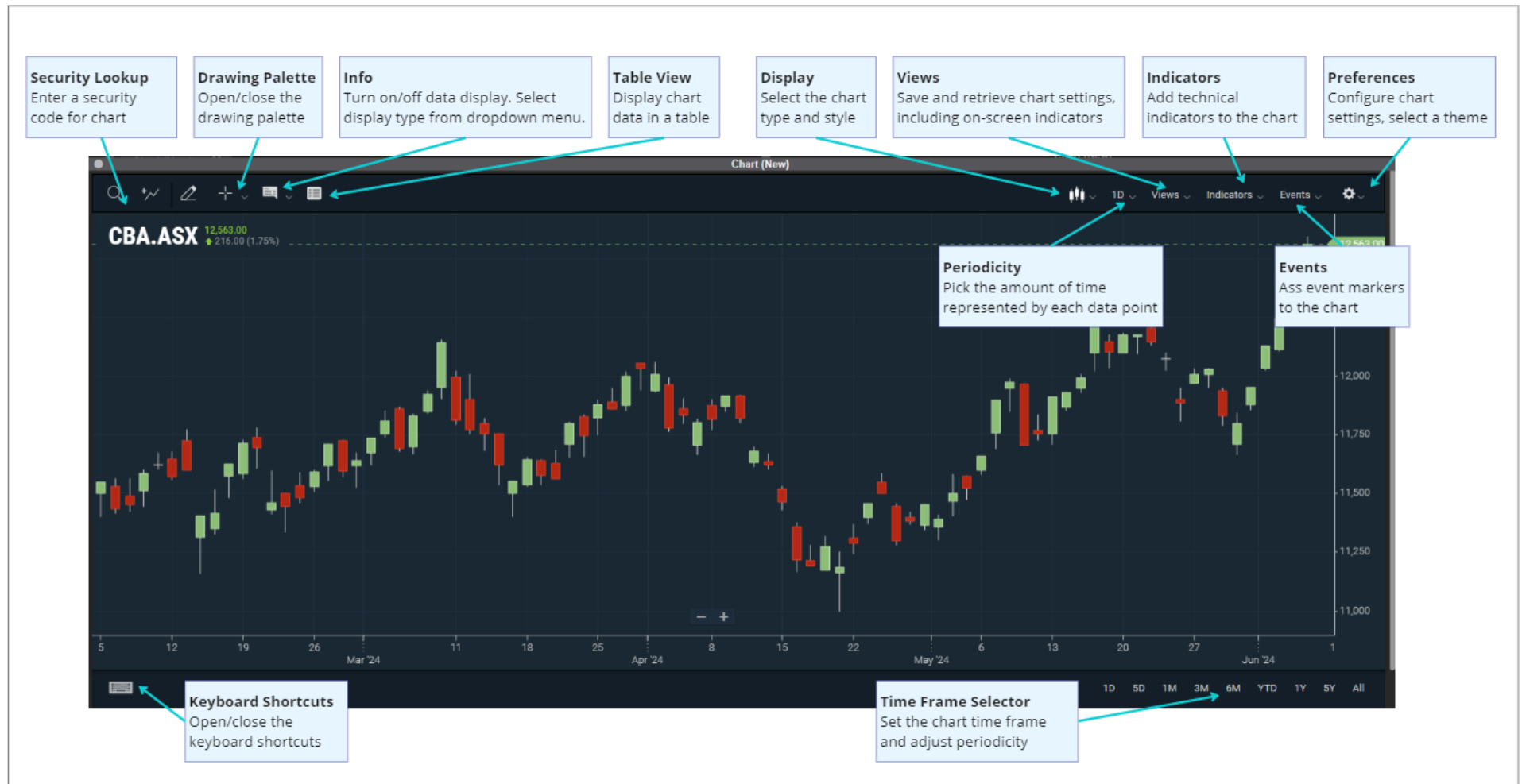


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Chart User Interface



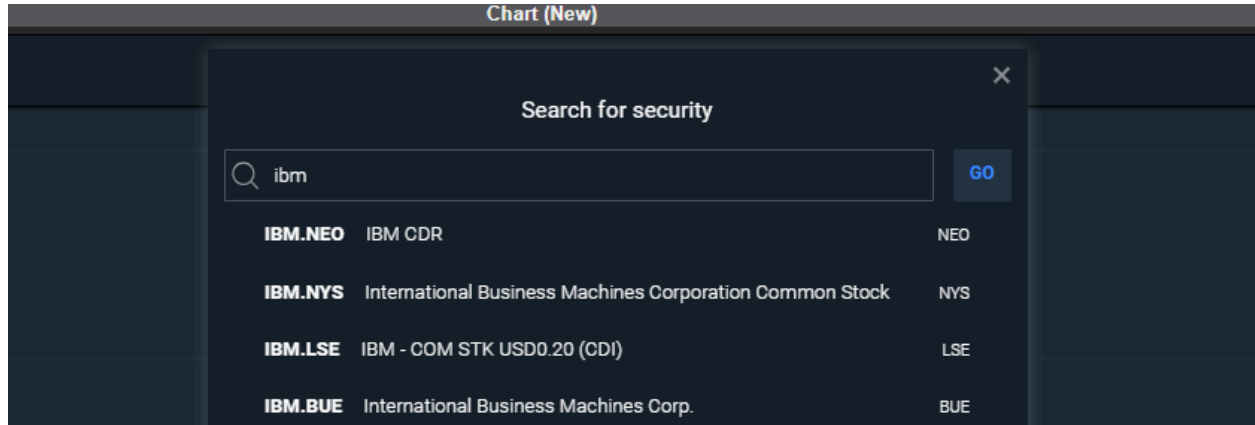
Responsive Display UI



Security lookup



Use the security lookup field to find instruments (stocks, currency exchange rates, indexes, and so forth) by entering the security code that represents the instrument.



To find an instrument or security:

1. Select the magnifying glass icon.
2. Enter the instrument security code("IBM" in the example above).

As you enter a security code, the list of instruments is refined to successively approximate the input.

3. Select an instrument from the list, or press **Enter** to select the security in the text input field.
4. Once a chart has been drawn for one security, the security lookup can also be opened by clicking on the security code at top left

Comparisons

Comparison series are plots of instruments in addition to the main chart series. Comparisons provide a simultaneous view of different instruments. Comparison series are plotted over the same time frame, using the same periodicity as the main series, but are displayed in a different style or colour. Your chart can include numerous comparisons.

Note: Comparisons change the chart y-axis values to percentages. The time series plots and the y-axis are adjusted so that all plots start at 0% (at the left side of the chart). Succeeding data is plotted as the relative change from 0%. When all comparison series are removed from the chart, the y-axis reverts to price values.

To compare an instrument to the main chart series:

1. Select the compare icon (upper left corner of the chart)
2. Enter the instrument's security code in the security look up window
3. Optionally, select a color you would like to use for the comparison



A plot for the instrument is drawn on the chart (purple line):

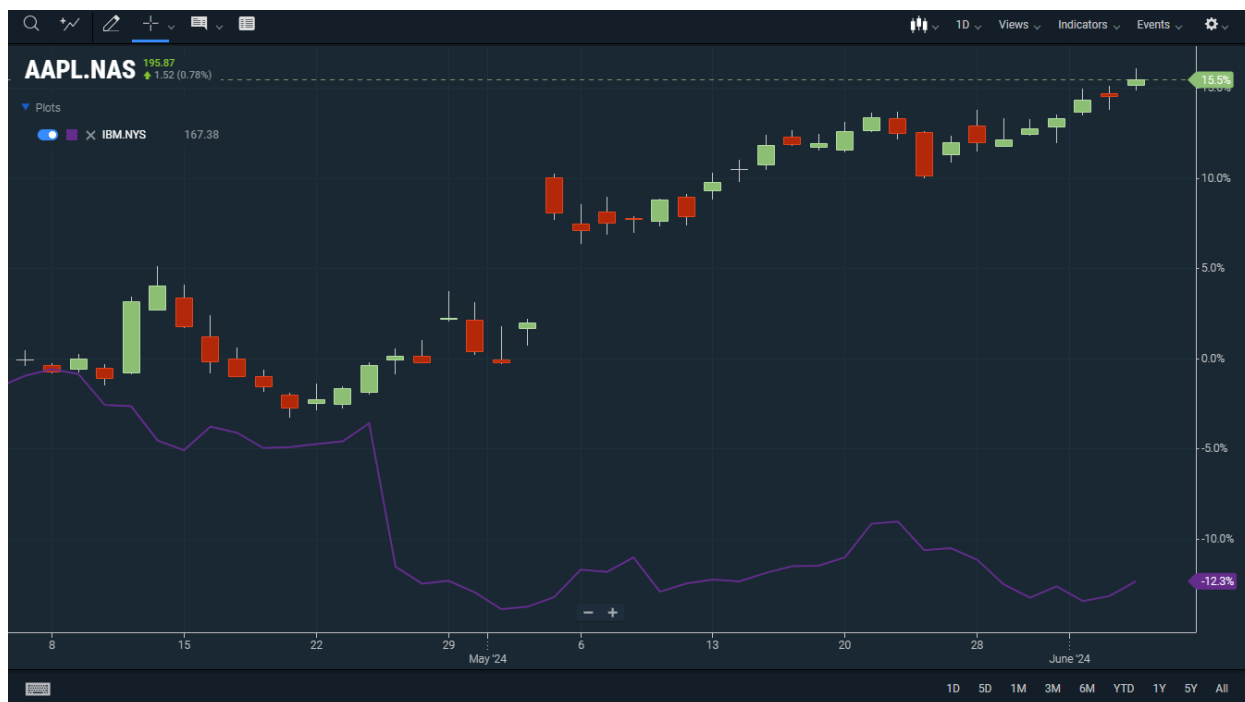


Figure. Comparison series overlaid on chart.

To see information about the comparison plot, move your mouse over the **Plots** control (upper left corner of the chart):



Figure. Comparison display on the legend.


To close the Plots display, move your mouse away from the control.

To keep the Plots display open, select the **Plots** control. Select the control again to close the display.

Click the color swatch on the legend to change the comparison color.

To remove the comparison, select the **X** next to the instrument's current price.




To manage the comparison, move your mouse over the instrument's line on the chart:

- Right-click the line to delete the comparison.
- Click and hold the line until the drag icon  appears, and then drag the line to the top or bottom of the chart to place the line in its own panel. See the [Drag and drop](#) section to learn about additional drag-and-drop capabilities.

Drawing



Trend lines, average lines, channels, Fibonacci retracements, arrows, callouts, doodles — an extensive set of drawing and styling tools enable you to creatively highlight and graphically analyze charts and studies.

	<h2>Drawing palette</h2> <p>The drawing palette contains a wide variety of drawing tools along with a collection of controls used to configure the palette and manage drawings. (See Drawing palette controls and Drawing tools.)</p> <p>Select the Draw control  to open the drawing palette.</p> <h2>Create a drawing</h2> <p>To draw on a chart or study:</p> <ol style="list-style-type: none">1. Select a tool from the palette. <p>Crosshairs appear, indicating the position of the tool.</p> <ol style="list-style-type: none">2. Click and release the mouse button to begin the drawing3. Move the mouse to the endpoint of the drawing.4. Click and release the mouse button again to complete the drawing.. <p>In default drawing mode (see below), the No Tool  control will activate after a single drawing is made.</p>
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Drawing modes

Drawing is accomplished in one of two ways (or modes) depending on your system's configuration:

- **Default mode** — As described above in “Create a drawing,” the default drawing mode uses clicking and releasing the mouse button to begin and end the drawing process. Default mode gives you precise control over the placement and size of drawings. In addition, default mode enables the creation of complex drawings, such as channels, that are defined with more than two clicks or presses.
- **Drag to draw** — Drag to draw mode enables you to create drawings by clicking or pressing, holding, and dragging — like drawing in most paint programs. Drag to draw is familiar to most users but lacks the precision of default mode and does not support multiple-point drawings.

Smart Drawings

Drawings will automatically attach themselves to any series or study that the mouse is hovering over before the drawing is started. Hence, if the series or study is moved to another panel, the drawing moves with it, preserving its position. Similarly, if the study or series is removed from or re-added to the chart, the drawing will be removed/re-added.

Magnet



Click the magnet icon at the bottom of the palette to make the drawing tools lock onto specific values of the data series. When magnet mode is on, a blue bullet follows the data series to show the value currently selected. The drawing tools are magnetized to the series to which the mouse is closest. As you move the mouse close to another series, the drawing tools magnetize to that series. If a drawing is started on a series, the drawing tool is magnetized to the same series to finish the drawing.

Manage drawings

Drawings can be repositioned and resized by drag-and-drop interactions. Drag and drop a drawing to move it to another location. Drag the start and end points of a drawing to

change the drawing's shape and size. To reveal the start and end points of a drawing, hover your mouse over the drawing.

Note: Drawings scale across different periodicities.

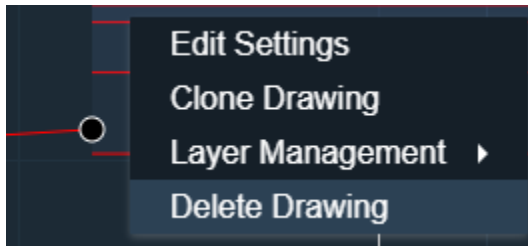











Figure. Right-click context menu for a callout drawing.





To edit or delete a drawing right-click the drawing to access a context menu, which provides the following options:

- **Edit Settings** — Accesses the style palette (see [Style palette](#)), which enables configuration of font, color, and other style settings.
- **Edit Text** — Allows text changes for drawings that contain text.
- **Clone Drawing** — Creates a copy of the drawing, which can be applied elsewhere on the chart, study, or series.
- **Layer Management** — Positions overlapping drawings on the z-axis, relative to one another. Brings a drawing forward or sends it backward, moves it to the top or bottom of a stack of drawings.
- **Delete Drawing** — Removes the drawing from the display.

























Drawing palette controls













Control	Description
	Displays the drawing tools in a list view.
	Displays the drawing tools in a grid view.
	<p>Detaches the palette from the side of the screen, making the palette draggable anywhere on-screen.</p> <p>Drag the detached palette using the drag strip  at the top of the palette.</p> <p>Dock the palette by selecting the Attach control. </p>
	Deselects the current drawing tool; that is, sets the palette so that no drawing tool is in use.
	Enables measurements of the chart, study, or series area. Select the measure tool, then draw a line on the chart to measure an area.
	Undoes drawing actions.
	Restores drawing actions removed by Undo.




	<p>Enables selection of subsets of the drawing tools, such as text tools, statistics-related tools, and favorites (see Favorites).</p>
	<p>Causes a drawing tool to be attracted to a line, such as the main chart series, a comparison series, or a study. Magnetizing a tool to a line provides precise placement of the drawing on the line.</p>
	<p>Removes all drawings from the display.</p>
	<p>Restores all drawing settings to their default values. Tool settings can be changed using the style palette (see Style palette).</p>

Drawing tools

Text		Annotation
		Callout
Statistics		Average Line Average line drawings can be applied to any rendered series or study line, not just the primary series.
		Measurement Line
		Quadrant Lines
		Regression Line — Option to show 1st, 2nd, and 3rd standard deviation lines on the regression drawings.
		Tirone Levels
		Volume Profile by Date Range
Technicals		Gann Fan
		Gartley

		Pitchfork
Technicals		Speed Resistance Arc
		Speed Resistance Line
		Time Cycle
		Elliott Wave (see Drawing Elliott Waves below)
Lines		Channel
		Continuous
		Crossline
		Doodle
		Horizontal Line
		Line
		Ray

		Trend Line
		Vertical Line
Fibonacci		Fibonacci Retracement
		Fibonacci Projection
		Fibonacci Arc
		Fibonacci Fan
		Fibonacci Time Zone
Markings		Ellipse
		Rectangle
		Arrow
		Check
		Cross

		Focus
		Heart
		Star

Keyboard shortcuts*


Drawing tools can be activated by keyboard shortcuts. See the [Keyboard Shortcuts](#) section for details.


**Not available for all regions.*

Favorites

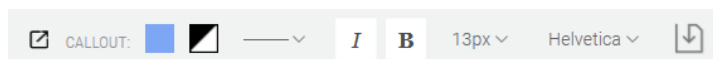
You can reduce the number of tools displayed on the drawing palette by creating a set of your favorites.

When the list view of the palette is active (see [Drawing palette controls](#)), a star appears next to each of the drawing tools. Select the star to mark the tool as one of your favorites and pin it to the top position in the tool list.

In grid view on desktop browsers, right-click a tool to open a pop-up window, then click the pop-up window to add or remove the tool as a favorite. Favorites are indicated by a star ornament in grid  view.

To see only your favorites, select **Favorites** from the drawing palette  dropdown menu.




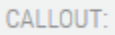




Style palette


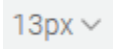
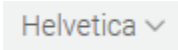




The style palette appears when a drawing tool is selected. The palette contains controls that enable you to set properties of the drawing tool, such as background color, line width, and font.

Properties vary among tools. For example, the annotation tool has font properties, but does not have background color or line width; the ellipse tool has background color and line width, but not font properties.


Style palette controls

Control	Description
	<p>Detaches the palette from the top of the screen, making the palette draggable anywhere on-screen. </p> <p>Drag the detached palette using the drag strip on the left side of the palette.</p> <p>Dock the palette by selecting the Attach  control.</p>
	Identifies the currently selected tool (to which the styles apply).
	Sets the fill of the drawing. Selecting “NONE” will render the fill transparent.
	Sets the line/stroke color of the drawing.
	Sets the line width and line style of the drawing.
	Sets the font in italics.

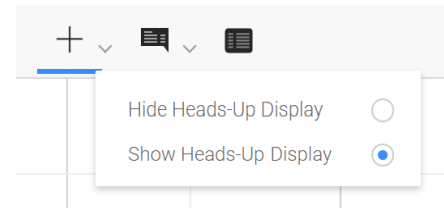
	Sets the font in boldface.
	Specifies the size of the font.
	Specifies the font family.
	<p>Saves the style palette settings (the configuration) of the selected tool. The tool retains the configuration even after the chart is closed.</p> <p>To restore the tool's default configuration, select the X next to the Save Config  control.</p>

Crosshairs



Select the crosshairs icon  to show horizontal and vertical lines that follow the mouse. Crosshairs enable you to easily identify values on the x- and y-axes.

The crosshairs can optionally show a heads-up display (HUD) of information for the data point targeted by the crosshairs. The HUD is shown and hidden by the dropdown menu adjacent to the crosshairs icon.



Drag the HUD to move it to a different location.



Figure. Crosshairs with HUD visible.

Info display



Select the Info icon to show detailed information about individual data points. The default display shows, date, price, open, high, low, close, and volume. Data points are selected by moving the mouse over the time series.

The Info display can be a dynamic callout or tooltip. The display type is selected from the dropdown menu next to the Info display icon. The default choice for the Info button is the tooltip.

The dynamic callout appears next to each data point as the user's mouse moves over the chart.

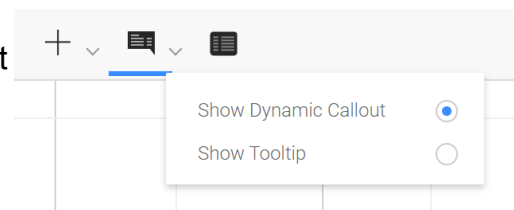


Figure. Info dynamic callout.

The tooltip follows the user's mouse across the chart, but the associated data point is indicated by a vertical highlight (or the crosshairs, if active).

Table view



The Table view add-on creates an on-screen table that contains the same information as the graphical chart display, including study and comparison data. Table view enhances chart accessibility by enabling screen readers to read the line and study content shown on the chart.

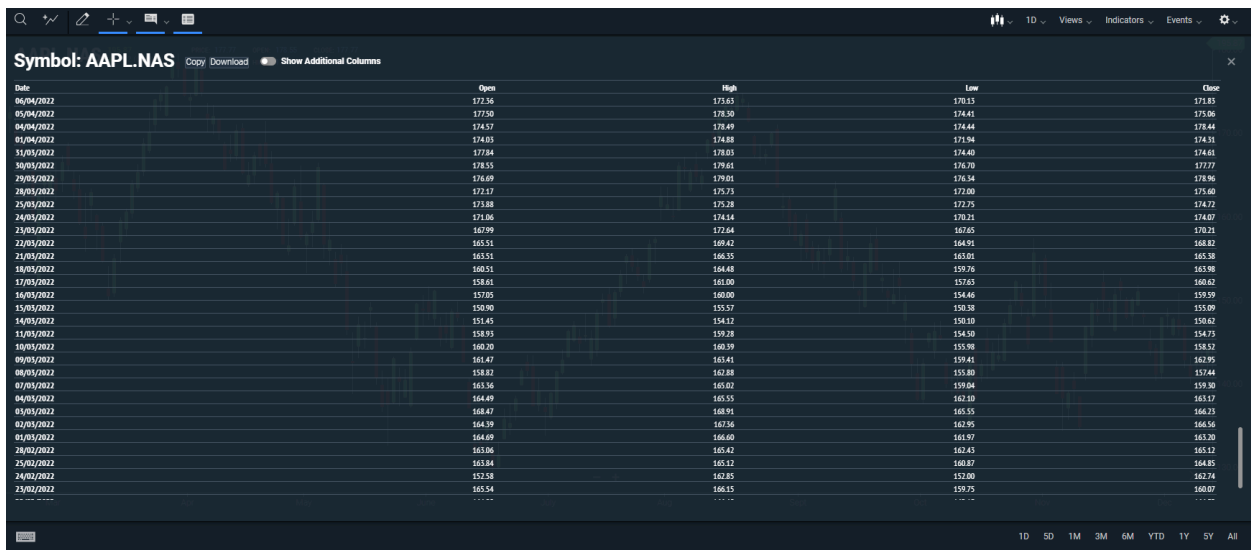


Figure. Chart data, including comparison and study.

To open the table view, select the **Table View** button.

To copy the table data to the clipboard, select the **Copy** button.

To export the table data to a comma-separated values file, select the **Download** button.

To display (and hide) data for Volume, % Change, and % Change vs Average, select the **Additional columns** button. A plus sign (+) appears on the button when the additional columns will be shown; a minus sign (-), when the columns will be hidden.

Chart Type menu

The **Chart Type** menu is divided into two sections: Chart Types and Aggregated Types.

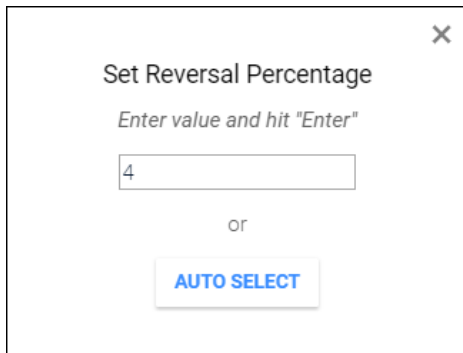
The charting library supports a variety of chart types. Select a type to change the presentation of the time series data.

Chart types are the various ways that a chart can visually represent data; for example, as a candle, line, or mountain graph.

Aggregated types are charts that display data that has been modified through aggregation or recalculation; for example, Heikin Ashi, Kagi, and Point & Figure charts.

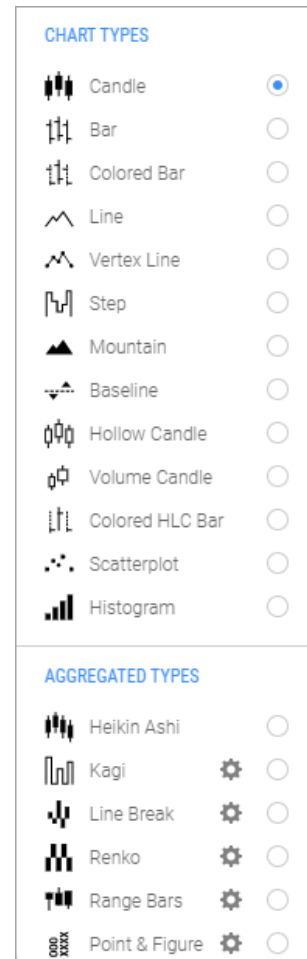
To customize a chart type:

1. Select the gear icon next to the chart type name.
2. Enter values in the dialog box that appears. For example, for Kagi charts:



A dialog box titled "Set Reversal Percentage" with a close button (X) in the top right corner. Below the title, it says "Enter value and hit 'Enter'". There is a text input field containing the number "4". Below the input field, it says "or". At the bottom, there is a button labeled "AUTO SELECT".

Select the **AUTO SELECT** button to let the chart determine the setting.

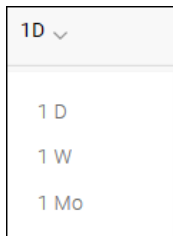


The Chart Type menu is divided into two sections: CHART TYPES and AGGREGATED TYPES. Each section lists various chart types with a corresponding icon and a selection radio button. In the CHART TYPES section, "Candle" is selected. In the AGGREGATED TYPES section, "Kagi" has a gear icon next to it, indicating it can be customized.

CHART TYPES		
	Candle	<input checked="" type="radio"/>
	Bar	<input type="radio"/>
	Colored Bar	<input type="radio"/>
	Line	<input type="radio"/>
	Vertex Line	<input type="radio"/>
	Step	<input type="radio"/>
	Mountain	<input type="radio"/>
	Baseline	<input type="radio"/>
	Hollow Candle	<input type="radio"/>
	Volume Candle	<input type="radio"/>
	Colored HLC Bar	<input type="radio"/>
	Scatterplot	<input type="radio"/>
	Histogram	<input type="radio"/>

AGGREGATED TYPES		
	Heikin Ashi	<input type="radio"/>
	Kagi	<input type="radio"/>
	Line Break	<input type="radio"/>
	Renko	<input type="radio"/>
	Range Bars	<input type="radio"/>
	Point & Figure	<input type="radio"/>

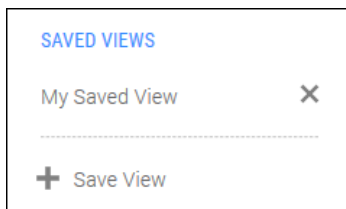
Periodicity menu



Periodicity is the amount of time represented by a data point (for example, a candle on a candle chart).

Select the chart periodicity from the **Periodicity** menu. Periodicity can be multiples of minutes, hours, days, weeks, or months.

Views menu



A view is the chart display, including all technical indicators , chart type, periodicity, and chart preferences. Use the **Views** menu to save chart views for later retrieval.

To save a view, select **+ Save View** and submit a typed **name**.

To retrieve a saved view, select the view (for example, My Saved View) from the list of views.

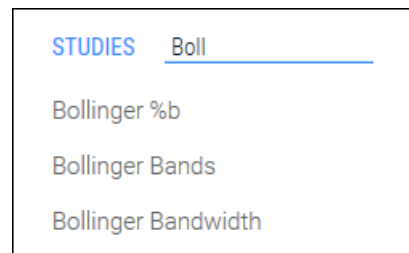
To delete a saved view, select the **X** next to the view name.

Indicators menu

Indicators are technical indicators that you add to charts from the **Indicators** menu.

To add an indicator to a chart, select the indicator from the **Indicators** menu.

To quickly find an indicator, enter the indicator name in the search field. As you enter the name, the list of indicators is reduced to just those names that include the characters you entered.



Indicators can overlay charts or appear in panels above or below charts. By default, some indicators appear as overlays, and some appear in panels.

Overlays (and underlays, such as the Volume Underlay study) are indicators that are superimposed on charts.



Figure. Alligator study overlaid on chart with the indicators menu visible.

Overlay indicators include a context menu that can be used to modify the study or remove it from the chart. To access the context menu:

- Highlight the indicator by hovering your mouse over the lines or shapes that make up the indicator. Right-click to open the context menu. Select an item from the menu.

Indicators can appear in panels to separate the displays of multiple series.






Figure. Alligator, Aroon, and MACD indicators in panels.


The vertical size of panels can be changed by dragging the panel top and bottom borders.

Panels include a toolbar that can be used to reposition or delete the panel. On desktop browsers, hover your mouse over a study to reveal the toolbar:



Secondary panel toolbar controls

	Moves the panel upward in a stack of panels. If the panel is at the top of the stack, this will position the panel above the chart.
	Expands the panel and hides any other panels. Or, if the panel has been expanded, returns it to its former size and reveals all hidden panels.
	Moves the panel downward in a stack of panels. If the panel is at the bottom of the stack, this will position the panel below the chart.

	Closes the panel and destroys the Indicator.
---	--

Drawings and annotations can be applied to overlay indicators and indicators in panels using the [Drawing palette](#) and [Style palette](#) tools.




Figure. Dashed line and annotation on MACD study in panel.

Indicator parameters dialog

Many settings can be adjusted in each indicator. Below are descriptions of common parameters that appear in many indicators:

Period	Specifies the number of bars incorporated in the indicators calculation.
Field	Specifies the input series for the indicator's calculation. Users can select from different components of price bars (open, high, low, close, adjusted close), or calculations of those components (hl/2, hlc/3...). Users may also select from indicators that are currently on the chart. Users may also select from comparison series that are currently on the chart.
Type	Specifies the type of Moving Average incorporated in the indicator's calculation.

Color Picker 	Specifies the color of the indicators output on the chart.
Panel	Specifies which chart panel the indicator appears in. Panels are listed in vertical order as they appear on the chart.
Show as Underlay	Sets the indicator behind the main study or series in its panel.
Y-Axis	Specifies where and how the indicator's Y-axis appears in the panel.
Invert Y-Axis	Flips the Y-axis upside-down.

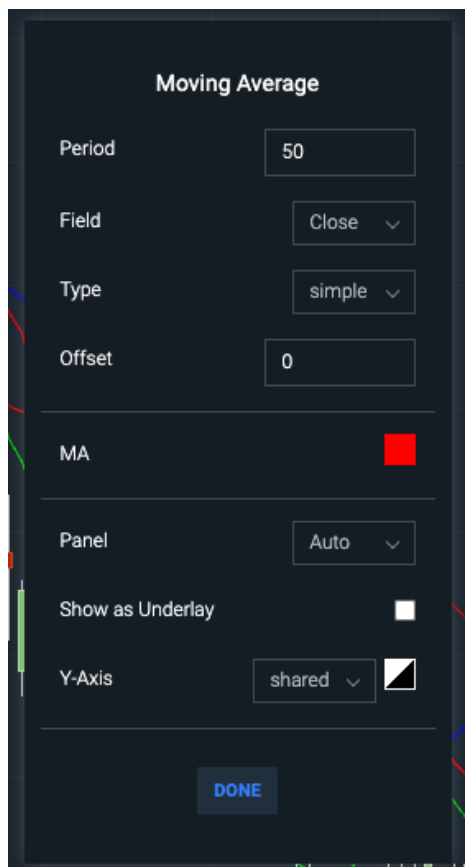


Figure. A moving average indicator dialog.

Indicator legends

A list of the indicators applied to a chart is overlaid on the chart as a legend. The list of active indicators is contained in the ACTIVE indicators section of the **indicators** menu, and in the Plots control, which appears on indicator panels or on charts when one or more indicators overlays the chart.

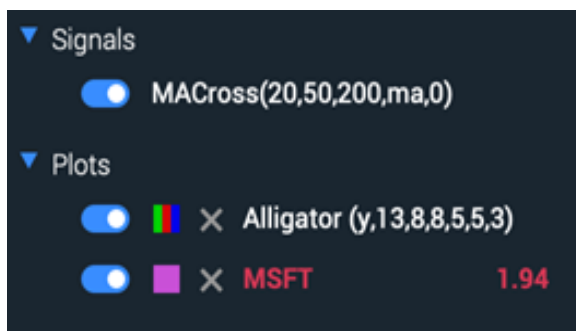


Figure. The expanded view of the Signals and Plots legends.

Indicator plots and signals can be quickly switched on/off from the indicator legend, eliminating the need to go to a menu.

ACTIVE indicators and Plots both enable you to edit and delete indicators.

In ACTIVE indicators, edit an indicator by selecting it from the list. Delete an indicator by selecting the **X** icon next to the indicator name. Delete all indicators by selecting **CLEAR ALL**.

In Plots, press anywhere on the indicator item to edit the study dialog. Select the **X** icon to delete the indicator.

Drag and drop

Indicators can be positioned and managed by drag-and-drop user interactions. Overlay indicators can be dragged into panels. Indicators in panels can be dragged onto charts as overlays. Indicators can be combined in panels or on charts. See [Drag and drop](#) for more information.

Indicator Browser

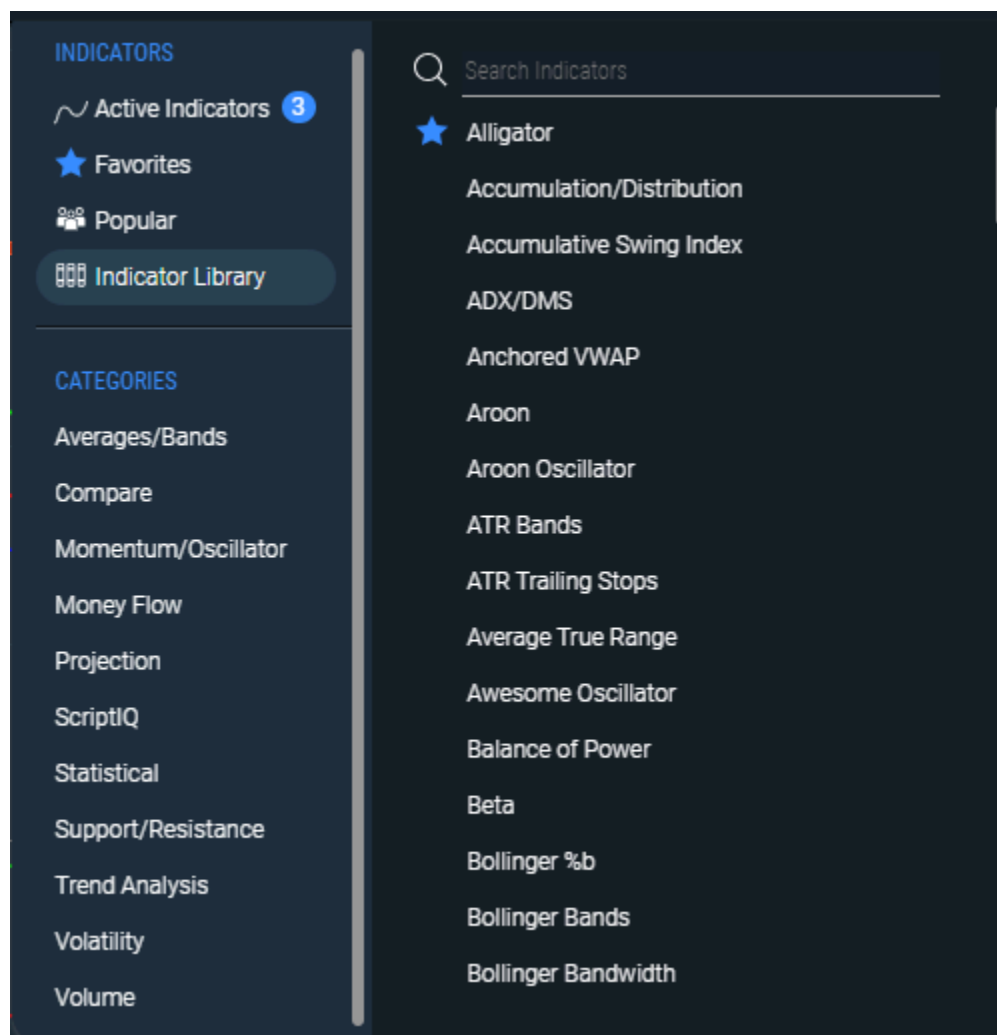
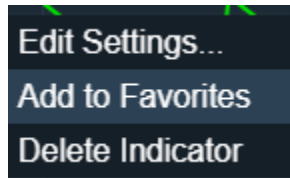


Figure. The Indicator Browser viewing all indicators

The Indicator Browser sorts indicators into categories that can be navigated, including a Most Popular category, and a Favorites category.

Indicators can be filtered by text using the search field at the top of the list in the Indicator Library.

Indicators can be marked as favorites. Indicators marked as favorites are promoted to the top of the Indicator Library list as well as their respective categories. Multiples of the same indicator can be added as favorites. Indicators that contain different parameters from the default will have their parameters displayed in the Favorites category. Indicators that are on the chart can be added as favorites by right-clicking the indicator and selecting “Add to Favorites”.



Active indicators can be viewed by going to Active Indicators. Clicking on an indicator in this menu will close the Indicator Browser and display the indicator dialogue for that indicator. Clear All will erase all indicators from the chart.

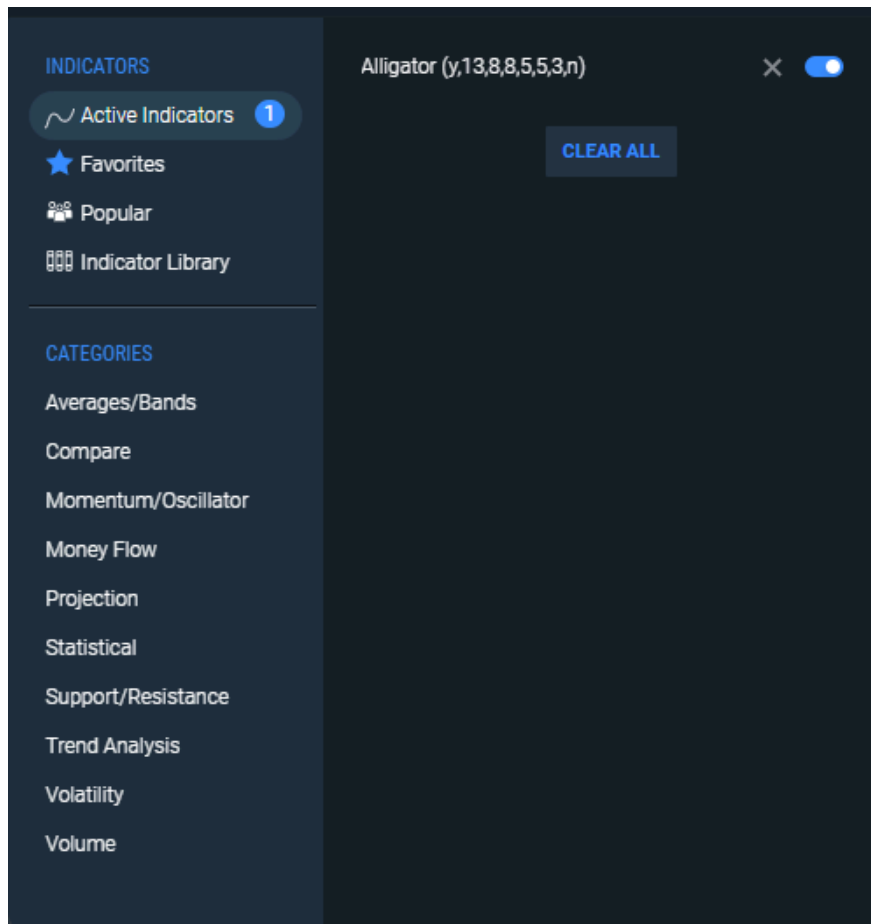


Figure. Active indicators section showing an active Alligator indicator

Events menu

The Events menu allows you to enable the display of visual indicators of news headlines and dividend information.

News on Chart

When enabling the News event under the Events menu, news events are indicated by a pink circle on the chart whenever a market-sensitive news article is released.

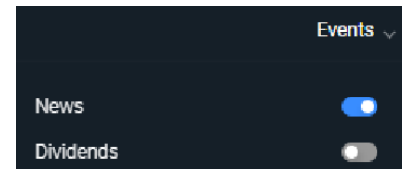


Figure. Displaying News events

Dividends on Chart

When enabling the Dividends event under the Events menu, a dividend indicator (a white circle) displays at the start of the ex-date for the dividend with a tooltip displaying the ex-date, the amount paid, the book close date, and the payment date for the dividend.

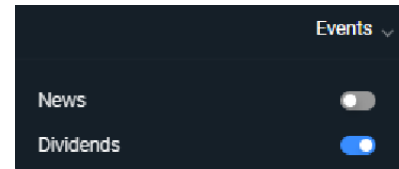


Figure. *Displaying Dividend events*

Preferences menu



Open the **Preferences** menu by selecting the cog wheel control. The menu enables you to set a variety of preferences to display your charts just the way you want them.

To set a preference, select the slider next to the preference name.

CHART PREFERENCES

Range Selector

The Range Selector preference opens a panel below the chart. The panel contains more data history than is shown in the primary chart. Drag the controllers in the range selector to control the viewable range of time in the primary chart.



Figure. Chart with range selector visible.

Y-AXIS PREFERENCES

Y-axis preferences enable you to configure the chart y-axis on a logarithmic scale or invert the price values.

CHART PREFERENCES

Range Selector ☐

Extended Hours ☐

Y-AXIS PREFERENCES

Log Scale ☐

Invert ☐

ADDITIONAL FEATURES

Shortcuts / Hotkeys

THEMES

Light

Dark

+ New Theme

Y-AXIS PREFERENCES

Log Scale ☐

Invert ☐

Log Scale

On a logarithmic scale chart, the vertical spacing between two points corresponds to the percentage change between those numbers. Thus, on a log scale chart, the vertical distance between 10 and 20 (a 100% increase) is the same as the vertical distance between 50 and 100. Because these charts show percentage relationships, logarithmic scaling is also called percentage scaling. It is also called semi-log scaling because only the vertical axis is scaled logarithmically.

Charts automatically switch from a log scale to a standard y-axis when the data set includes y-axis values that are less than or equal to zero. The log scale is restored when the chart is refreshed, or new data is retrieved.



Figure. Chart with log scale active.

Invert

Inverting the y-axis simply flips the chart to display the lowest values at the top and highest values at the bottom. This will flip the primary line and any drawings or overlay indicators applied to the line. **Note:** Each indicator line which is shown in its own panel may be flipped independently.



Figure. Chart with invert active.

ADDITIONAL FEATURES


Shortcuts / Hotkeys

Shortcuts and hotkeys make chart functionality accessible from the keyboard (see [Keyboard Shortcuts](#)). The shortcuts legend displays all keyboard shortcuts and hotkeys.

ADDITIONAL FEATURES

Shortcuts / Hotkeys

Import Data

To open the legend, either select **Shortcuts / Hotkeys** from the **ADDITIONAL FEATURES** section of the **Preferences** menu or click the keyboard icon () in the footer.

The shortcuts legend is a moveable, resizable window that can be minimized and dragged anywhere within the browser window, including outside the chart.

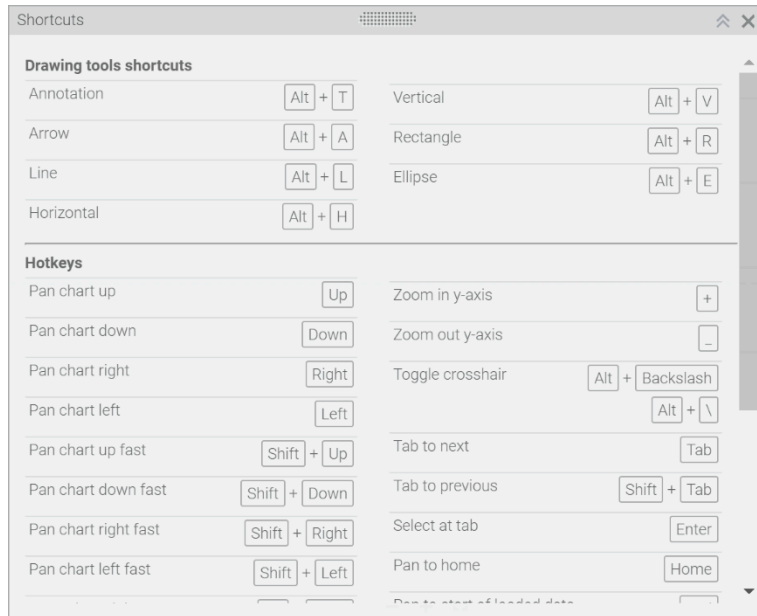
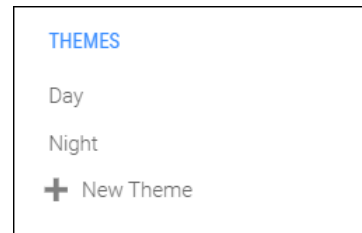


Figure. Shortcuts legend.

THEMES

Themes set the foreground and background colors of the chart. The two built-in themes, Day and Night, set charts in light and dark colors, respectively.

To choose a theme, select it from the THEMES section of the **Preferences** menu.



You can also create your own custom themes.

To create a custom theme:

1. Open the **Preferences** menu.
2. Select **+ New Theme** in the **THEMES** section.
3. Configure the theme by making color selections in the **Create Custom Theme** dialog box:

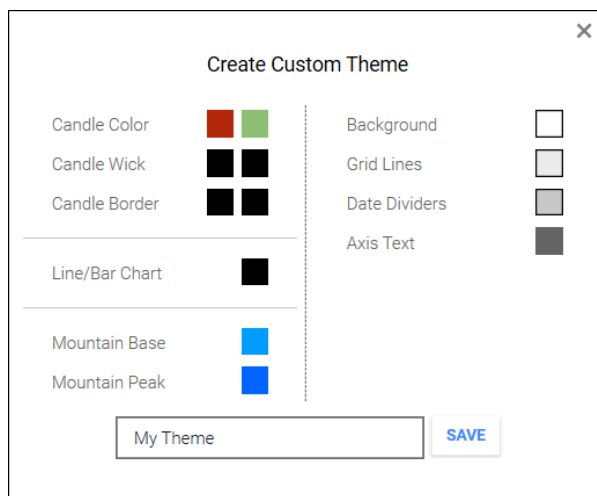


Figure. Custom theme dialog.

4. Enter a name for your theme in the input field, and then select **SAVE**.

Your theme will be listed in the THEMES section of the Preferences menu. To apply your theme to a chart, select it from the menu.

Time frame selector




The time frame selector (lower right corner of the chart) enables you to select various time periods for the chart — from one day to all the data available for the instrument.

Each selection automatically sets an appropriate periodicity so that the chart is filled with data. For example, if you select the **1D** time frame, the periodicity is set to 5 minutes; **6M**, one day; **All**, one month; and so forth.

Navigation

In general, navigation of the chart is easily done using direct manipulation or using controls provided.





Panning

A chart is panned (scrolled) by dragging the chart. When a chart is panned so that the most recent bar is hidden,  a home icon appears on the screen. Pressing the icon animates the chart back to the home position.

Grab the chart with the mouse and drag it left, right, up, or down.

The right and left arrow keys and Home and End keys also pan the chart. On laptop touchpads, a two-finger horizontal stroke will pan the chart left or right. A swipe action will rapidly scroll the chart in the swipe direction, slowing with an easing animation.

Zooming

To zoom the entire chart, select the  and  buttons at the bottom of the chart;  to zoom in,  to zoom out.

On laptop touchpads, pinch to zoom out, press the touchpad with two fingers then spread the fingers apart to zoom in.

The up and down arrow keys also zoom the chart (unless the crosshair tool is currently enabled).

The scale of the x- and y-axes can be zoomed by selecting either axis and dragging up or down for the y-axis or left or right for the x-axis.

Y-Axis Menus

Y-axes display an ellipsis menu (...) when hovered over, or when the series associated with the axis is hovered over. Available actions will display depending on the number of Y-axes, their merged status, and their relative position.

Move Left/Right	Swaps the position of the selected axis with an adjacent axis. If the selected axis is bordering the chart panel, Move Left/Right will send the axis to the other side of the chart panel.
Merge Left/Right	Merges the selected axis with an adjacent axis on the same side of the chart panel. NOTE: Axes cannot be merged across the chart panel.
Unmerge	Separates the selected axis into its constituent axes.

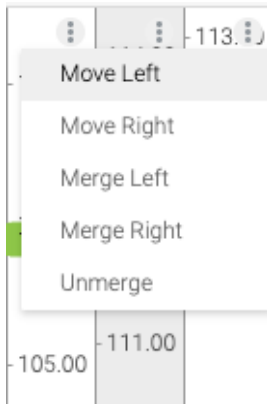





Figure. Axes can be moved, or merged/unmerged on the same side of the chart panel.

Drag and drop

Charting elements such as y-axes and series (indicators and comparison) can be positioned and manipulated using drag-and-drop user interactions.

To drag and drop a charting element, do the following:

1. Click and hold or press the element until one of the drag-and-drop icons appears. The icon indicates the direction in which the element can be dragged:

	— Horizontally
	— Vertically
	— All directions

2. Drag the element to a container or boundary.

Charts, panels, and axes are containers. The edges of charts, panels, and axes are boundaries.

A blue rectangle appears when you drag to a container. A blue line appears when you drag to a boundary. The rectangle or line indicates the drop location.

Note: A blue rectangle or line must appear before you can drop an element. At the screen edges, be careful to drag and drop within the charting area. The drag-and-drop icon turns to the default pointer or disappears when you drag an element out of the

charting area. If you drop an element outside the charting area, the drag-and-drop action does not take effect.

3. Drop the element by releasing the mouse button or lifting your finger or stylus from the screen.

Series

Study and comparison series overlay charts or appear in panels above or below charts.

Series can be managed with drag and drop. Overlays can be dragged into panels.

Series in panels can be dragged onto charts as overlays. Series can be combined. The y-axis of a series can be positioned to the left or right of the series.

Y-Axis

The y-axis of charts and series can be positioned on the left or right of the chart or series, or on the left or right of other y-axes. Multiple y-axes can be combined into a single axis. All by drag and drop.

Multiple y-axes occupy the same chart or panel when charts are overlaid by series or series are combined in panels.

Keyboard Shortcuts*

Keystroke alternatives provide access to chart functionality without using a mouse or touchscreen.

**Not available in all regions*

Chart area

Keystroke	Functionality
=, or + on numeric keypad	X-axis zoom in
- (hyphen), or - (minus) on numeric keypad	X-axis zoom out
+ (Shift + equal)	Y-axis zoom in (if pressed on numeric keypad, x-axis zoom in)
_ (Shift + hyphen)	Y-axis zoom out
Right arrow*	Scroll chart right one bar or, if crosshairs enabled, move crosshairs one bar right
Left arrow*	Scroll chart left one bar or, if crosshairs enabled, move crosshairs one bar left
Up Arrow*	Scroll chart up 2% of the chart height or, if crosshairs enabled, move crosshairs up 2% of chart height
Down Arrow*	Scroll chart down 2% of the chart height or, if crosshairs enabled, move crosshairs down 2% of chart height

Shift + Right Arrow*	Scroll chart right 10 bars or, if crosshairs enabled, move crosshairs right 10 bars
Shift + Left Arrow*	Scroll chart left 10 bars or, if crosshairs enabled, move crosshairs left 10 bars
Shift + Up Arrow*	Scroll chart up 20% of the chart height or, if crosshairs enabled, move crosshairs up 20% of chart height
Shift + Down Arrow*	Scroll chart down 20% of the chart height or, if crosshairs enabled, move crosshairs down 20% of chart height
Page Up or Alt + Right Arrow	Scroll chart right by the maximum number of bars on screen
Page Down or Alt + Left Arrow	Scroll chart left by the maximum number of bars on screen
Home	Scroll to the end of the chart (right-most candle) and reset the vertical zoom
End	<p>Scroll to the beginning of the chart (left-most candle) as loaded</p> <p>Note: If the chart is using a quote feed, more data loads</p>
Delete or Backspace	Undo the active drawing (if in the process of drawing) or delete a highlighted item
Escape	Undo the active drawing (if in the process of drawing) or close an open menu

Tab	Move focus to the next user interface element on the chart, and to browser controls outside of the chart UI such as the address bar
Shift + Tab	Move focus to the previous user interface element
Enter/Return	Select (activate) the currently focused user interface element
Alt + \	Show/hide the crosshairs and static information display
Alt + 0	Show/hide the continuous zoom (if enabled)
Shift + Alt + L	Select the security lookup

Drawing

The example templates (such as *technical-analysis-chart.html* and *basic-chart.html*) include the following keyboard shortcuts for activating drawing tools when the drawing palette is open:

Tool	PC	Macintosh
Line	Alt + l	Option + l
Horizontal (line)	Alt + o	Option + o
Vertical (line)	Alt + p	Option + p
Annotation	Alt + w	Option + w

Rectangle	Alt + r	Option + r
Arrow	Alt + a	Option + a
Ellipse	Alt + e	Option + e

Note: Do not include the Shift key in the shortcut.

Dialogs & UI Controls

Keystroke	Functionality
Right/left arrow	Move in dialog elements that support a cursor
Escape	Close an open dialog
Tab	Move focus to the next dialog or UI control element
Shift + Tab	Move focus to the previous dialog or UI control element
Enter/Return	Select (activate) the currently focused dialog or UI control element (e.g., open a color palette or press a button)
Space	Toggle the currently focused element selection (e.g., turn an option on/off)