

Color Settings for Graph Draw Types

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Introduction

This page documents the color and width settings on the [Subgraphs](#) tab of the **Study Settings** window that apply to the various [Graph Draw Types](#) for price bars. The **Graph Draw Type** is set on the **Subgraphs** tab of the **Study Settings** window for a study.

For studies that have a **Graph Draw Type** set to a price bar type (OHLC Bar, Candlestick, ...), there are two ways to set colors and widths of the chart bars. They are listed below.

1. The colors and widths can be set through the individual [Subgraph](#) settings of the **Study Settings** window for the study. Descriptions for each of the settings is documented on this page.
2. If **Use Chart Graphics Settings for Subgraph Colors** is enabled on the **Subgraphs** tab of the Study Settings window, then the Subgraph color and width settings on the Subgraphs tab of the **Study Settings** window do not apply and the color and width settings are instead set through **Chart >> Graphics Settings** or **Global Settings >> Graphics Settings**. For more information refer to [Graphics](#)

[Settings.](#)

If you have enabled

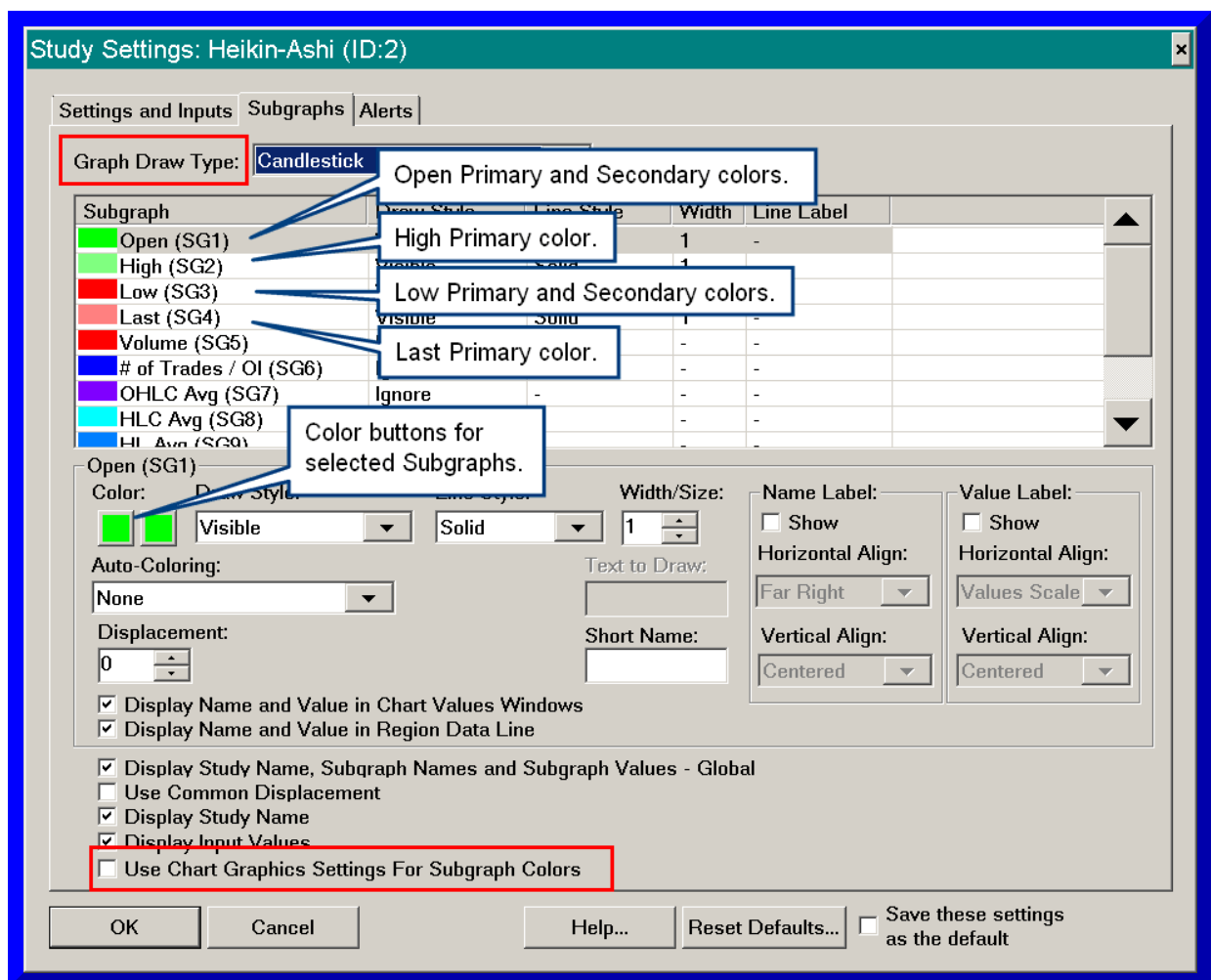
Global Settings >> Graphics Settings >> Color Entire OHLC Bar the High/Low Color, then the Open and Close colors for **OHLC** bars documented on this page will not apply.

If you have enabled

Global Settings >> Graphics Settings >> Other >> Color Candlestick High-Low Using the Outline Color then the High to Low coloring documented on this page will not apply. The Candlestick outline colors will be used instead.

In the case where **Display As Main Price Graph** is enabled on a study that is not considered a Custom Chart type of study and it has a **Graph Draw Type** set to a price bar type (OHLC Bar, Candlestick), then the study's Subgraph color settings do not apply and the price bar color settings are instead set through **Chart >> Graphics Settings** or **Global Settings >> Graphics Settings**. In this case the option **Use Chart Graphics Settings for Subgraph Colors** does not apply and is always considered to be enabled.

In the case where the study uses the ACSIL **sc.Subgraph[]**.**DataColor[]** arrays, then those color arrays will fully control the colors of the price bars instead of the Chart or Global specific [Graphics Settings](#).



Graph Draw Type Settings

OHLC Bars

The Width settings for these bars is always controlled through the [Graphics Settings](#) window.

The Colors will be controlled through the **Graphics Settings** window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color**: This colors the Left Open Line of the bar.
- **Open Secondary Color**: Does not apply.
- **High Primary Color**: If this is an Up bar (Close > Open), then this colors the High to Low line of the bar.
- **Low Primary Color**: If this is an Down bar (Close < Open), then this colors the High to Low line of the bar.
- **Low Secondary Color**: Does not apply.
- **Last Primary Color**: This colors the Right Close Line of the bar.

Candlestick

The Width and Color settings for these bars will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color**: If this is an Up candlestick bar (Close > Open), then this colors the outline of the candlestick body.
- **Open Secondary Color**: If this is an Up candlestick bar (Close > Open), then this colors the High to Low line. Although this color setting is ignored if **Global Settings >> Graphics Settings >> Other >> Color Candlestick High-Low Using the Outline Colors** is enabled.
- **High Primary Color**: If this is an Up candlestick bar (Close > Open), then this colors the interior of the candlestick body.
- **Low Primary Color**: If this is a Down candlestick bar (Close < Open), then this colors the outline of the candlestick body.
- **Low Secondary Color**: If this is a Down candlestick bar (Close < Open), then this colors the High to Low line. Although this color setting is ignored if **Global Settings >> Graphics Settings >> Other >> Color Candlestick High-Low Using the Outline Colors** is enabled.
- **Last Primary Color**: If this is a Down candlestick bar (Close < Open), then this colors the interior of the candlestick body.
- **Open Width**: This controls the outline width of up candlestick bars.
- **High Width**: This controls the High to Low line width of up candlestick bars.
- **Low Width**: This controls the outline width of down candlestick bars.
- **Last Width**: This controls the High to Low line width of down candlestick bars.

Candlestick Body Only

The Width settings for these bars is always controlled through the [Graphics Settings](#) window. The Colors will be controlled through the **Graphics Settings** window when the option **Use Chart**

Graphics Settings for Subgraph Colors is enabled.

- **Open Primary Color:** If this is an Up candlestick bar (Close > Open), then this colors the outline of the candlestick body.
- **Open Secondary Color:** Does not apply
- **High Primary Color:** If this is an Up candlestick bar (Close > Open), then this colors the interior of the candlestick body.
- **Low Primary Color:** If this is a Down candlestick bar (Close < Open), then this colors the outline of the candlestick body.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** If this is a Down candlestick bar (Close < Open), then this colors the interior of the candlestick body.

Line on Close

The Width, Line Style, and Color settings for this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** Does not apply.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** This colours the line of Line on Close graph.

Mountain

The Color of this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** Does not apply.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** This colours the line of the graph and colors the fill underneath the line.

HLC Bars

The Width settings for these bars is always controlled through the [Graphics Settings](#) window. The Colors will be controlled through the **Graphics Settings** window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.

- **High Primary Color:** If this is an Up bar (Close > Open), then this colors the High to Low line of the bar.
- **Low Primary Color:** If this is an Down bar (Close < Open), then this colors the High to Low line of the bar.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** This colors the Right Close Line of the bar.

Line on Open

The Width, Line Style, and Color settings for this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** This colours the line of Line on Close graph.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** Does not apply.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** Does not apply.

Line on HL Avg

The Width, Line Style, and Color settings for this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** Does not apply.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** Does not apply.
- **Note:** Regardless of color chosen, a blue color line will appear.

Stair Step on Close

The Width, Line Style, and Color settings for this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** Determines the color of the line outline.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** Does not apply.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** Determines the color of the line outline.

High-Low (HL) Bars

The Width settings for these bars is always controlled through the [Graphics Settings](#) window. The Colors will be controlled through the **Graphics Settings** window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** If this is an Up bar (Close > Open), then this colors the High to Low line of the bar.
- **Low Primary Color:** If this is an Down bar (Close < Open), then this colors the High to Low line of the bar.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** Does not apply.

Point and Figure OHLC Bars

The Width settings for these bars is always controlled through the [Graphics Settings](#) window. The Colors will be controlled through the **Graphics Settings** window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** This colors the Left Open Line of the bar.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** If this is an Up bar (Close > Open), then this colors the High to Low line of the bar.
- **Low Primary Color:** If this is an Down bar (Close < Open), then this colors the High to Low line of the bar.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** This colors the Right Close Line of the bar.

Point and Figure X-O Columns

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** Does not apply.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** Does not apply.

Bid Ask Volume Bars

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** Does not apply.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** Does not apply.

Price Volume Bars

The Colors for this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** Does not apply.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** If this is an Up bar (Close > Open), then this colors the body of the bar.
- **Low Primary Color:** If this is an Down bar (Close < Open), then this colors the body of the bar.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** Does not apply.

Candlestick Price Volume Bars

The Colors for this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** If this is an Up candlestick bar (Close > Open), then this colors the outline of the candlestick body.
- **Open Secondary Color:** If this is an Up candlestick bar (Close > Open), then this colors the High to Low line.
- **High Primary Color:** If this is an Up candlestick bar (Close > Open), then this colors the interior of the candlestick body.
- **Low Primary Color:** If this is a Down candlestick bar (Close < Open), then this colors the outline of the candlestick body.
- **Low Secondary Color:** If this is a Down candlestick bar (Close < Open), then this colors the High to Low line.
- **Last Primary Color:** If this is a Down candlestick bar (Close < Open), then this colors the interior of the candlestick body.

Renko Bricks

The Width settings for these bars is always controlled through the [Graphics Settings](#) window. The Colors will be controlled through the **Graphics Settings** window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** If this is an Up bar (Close > Open), then this colors the outline of the body.
- **Open Secondary Color:** Does not apply.
- **High Primary Color:** If this is an Up bar (Close > Open), then this colors the interior of the body.
- **Low Primary Color:** If this is a Down bar (Close < Open), then this colors the outline of the body.
- **Low Secondary Color:** Does not apply.
- **Last Primary Color:** If this is a Down bar (Close < Open), then this colors the

interior of the body.

Renko Bricks With Wicks

The Width and Color settings for these bars will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** If this is an Up bar (Close > Open), then this colors the outline of the body.
- **Open Secondary Color:** If this is an Up bar (Close > Open), then this colors the High to Low line. Although this color setting is ignored if **Global Settings >> Graphics Settings >> Other >> Color Candlestick High-Low Using the Outline Colors** is enabled.
- **High Primary Color:** If this is an Up bar (Close > Open), then this colors the interior of the body.
- **Low Primary Color:** If this is a Down bar (Close < Open), then this colors the outline of the body.
- **Low Secondary Color:** If this is a Down bar (Close < Open), then this colors the High to Low line. Although this color setting is ignored if **Global Settings >> Graphics Settings >> Other >> Color Candlestick High-Low Using the Outline Colors** is enabled.
- **Last Primary Color:** If this is a Down bar (Close < Open), then this colors the interior of the body.
- **Open Width:** This controls the outline width of up bars.
- **High Width:** This controls the High to Low line width of up bars.
- **Low Width:** This controls the outline width of down bars.
- **Last Width:** This controls the High to Low line width of down bars.

Candlestick Bars Hollow

The Width and Color settings for these bars will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** If this is an Up candlestick bar (Close > Open), then this colors the outline of the candlestick body.
- **Open Secondary Color:** If this is an Up candlestick bar (Close > Open), then this colors the High to Low line. Although this color setting is ignored if **Global Settings >> Graphics Settings >> Other >> Color Candlestick High-Low Using the Outline Colors** is enabled.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** If this is a Down candlestick bar (Close < Open), then this colors the outline of the candlestick body.
- **Low Secondary Color:** If this is a Down candlestick bar (Close < Open), then this colors the High to Low line. Although this color setting is ignored if **Global Settings >> Graphics Settings >> Other >> Color Candlestick High-Low Using the Outline Colors** is enabled.
- **Last Primary Color:** Does not apply.

- **Open Width:** This controls the outline width of up candlestick bars.
- **High Width:** This controls the High to Low line width of up candlestick bars.
- **Low Width:** This controls the outline width of down candlestick bars.
- **Last Width:** This controls the High to Low line width of down candlestick bars.

Candlestick Price Volume Bars Hollow

The Colors for this Draw Type will be controlled through the [Graphics Settings](#) window when the option **Use Chart Graphics Settings for Subgraph Colors** is enabled.

- **Open Primary Color:** If this is an Up candlestick bar (Close > Open), then this colors the outline of the candlestick body.
- **Open Secondary Color:** If this is an Up candlestick bar (Close > Open), then this colors the High to Low line.
- **High Primary Color:** Does not apply.
- **Low Primary Color:** If this is a Down candlestick bar (Close < Open), then this colors the outline of the candlestick body.
- **Low Secondary Color:** If this is a Down candlestick bar (Close < Open), then this colors the High to Low line.
- **Last Primary Color:** Does not apply.

ACSIL Color Control of Price Bar Graph Draw Types

An [Advanced Custom Study](#), which uses a price bar type of Graph Draw Type, can control the coloring of chart bars in several ways.

It can set the [sc.Subgraph\[\].PrimaryColor](#) and [sc.Subgraph\[\].SecondaryColor](#) color values according to the color settings described on this page for each of the corresponding [sc.Subgraph\[\]](#) objects. In this case the Advanced Custom Study needs to set [sc.GraphUsesChartColors](#) to 0.

Or the Advanced Custom Study, can set the ACSIL equivalent of the **Study Settings >> Subgraphs** tab option **Use Chart Graphics Settings for Subgraph Colors** which is [sc.GraphUsesChartColors](#), to 1 to use the colors defined for price bars in the [Graphics Settings](#) window.

Or the Advanced Custom Study, can control the colors of individual chart bars by using the [sc.Subgraph\[\].DataColor](#) arrays. In this case the Advanced Custom Study needs to set [sc.GraphUsesChartColors](#) to 0.

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