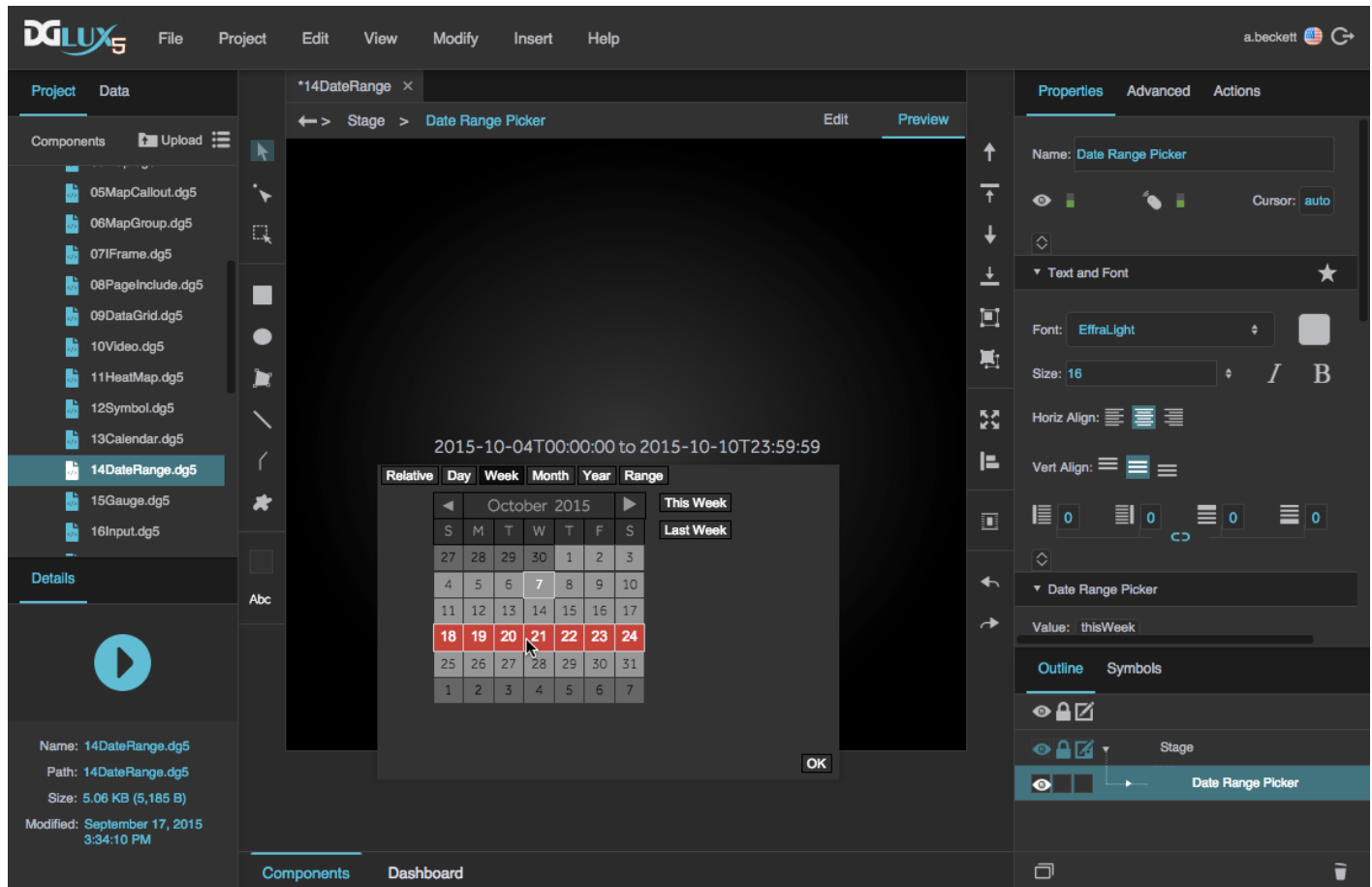


Date Range Picker

The date range picker component allows the user to click and select any date range.

For a detailed reference of properties that affect date range pickers, see [Common Properties](#) and [Date Range Picker Properties](#).



A date range picker component in DGLux5

Video Tutorial: Bind Date Range Picker to Chart

More video tutorials are [here](#).

Date Range Picker Properties

These properties affect the date range picker component. For a guide to using the date range picker component, see [Date Range Picker](#).



Date range pickers are also affected by [Common Properties](#).

Properties Advanced Actions

▼ Date Range Picker

Value:

Formatted Value:

Next Value:

This Value:

Prev Value:

Input Mode:

Date Format String:

Range Delimiter:

Keep Special Value:

Duration:

Next:

Prev:

✕

Show Day:

Show Week:

Show Relative:

Show Month:

Show Year:

Show Range:

Show Full Time:

Dialog Background:

Button Font:

Button Font Size: *I* **B** U

Button Background:

Button Background (Active):

Button Background (Hover):

Button Border:

The Date Range Picker properties in the Property Inspector

Click to display/hide all elements

Value

Returns the currently selected date range in the date range picker using one of the formats listed below.

- **Range:** "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss"
- **Day:** "yyyy-MM-dd", "today", or "yesterday"
- **Week:** "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss"
- **Month:** "yyyy-MM", "thisMonth", or "lastMonth"
- **Year:** "yyyy", "thisYear", or "lastYear"
- **Relative:** "[current/previous]N[seconds/minutes/hours/days/weeks/months/years]", where N is a number and one element is chosen from each set of square brackets

The screenshot shows the 'Date Range Picker' section of a property inspector. The 'Value' property is highlighted with a red box and contains the text 'today'. Other visible properties include 'Formatted Value' (2015-09-30T00:00:00/20), 'Next Value' (2015-10-01), 'This Value' (2015-09-30T00:00:00/2015-09-30T00:00:00), 'Prev Value' (yesterday), 'Input Mode' (Day), 'Date Format String' (yyyy-MM-ddTHH:mm:ss), 'Range Delimiter' (/), 'Keep Special Value' (None), and 'Duration' (86400000). There are also 'Next' and 'Prev' buttons with 'Invoke' labels.

The Value property

Formatted Value

Returns a formatted version of the Value property. The format is determined using the Date Format String, Range Delimiter, and Keep Special Value properties.

Changing this property changes the text displayed in this date range component, but it does not change the Value selected.

The screenshot shows the 'Properties' panel for a 'Date Range Picker'. The 'Formatted Value' property is highlighted with a red box and displays the value '2015-09-30T00:00:00/20'. Other visible properties include 'Value: today', 'Next Value: 2015-10-01', 'This Value: 2015-09-30T00:00:00/2015-09-30T00:00:00', 'Prev Value: yesterday', 'Input Mode: Day', 'Date Format String: yyyy-MM-ddTHH:mm:ss', 'Range Delimiter: /', 'Keep Special Value: None', 'Duration: 86400000', and 'Next: Invoke' and 'Prev: Invoke' buttons.

The Formatted Value property

Next Value

Returns the next chronological date range after the currently selected date range.

Properties Advanced Actions

▼ Date Range Picker

Value:

Formatted Value:

Next Value:

This Value:

Prev Value:

Input Mode:

Date Format String:

Range Delimiter:

Keep Special Value:

Duration:

Next:

Prev:

The Next Value property

This Value

Returns the currently selected date range.

Properties Advanced Actions

▼ Date Range Picker

Value: today

Formatted Value: 2015-09-30T00:00:00/20

Next Value: 2015-10-01

This Value: 2015-09-30T00:00:00/2015-09-

Prev Value: yesterday

Input Mode: Day

Date Format String: yyyy-MM-ddTHH:mm:ss

Range Delimiter: /

Keep Special Value: None

Duration: 86400000

Next: Invoke

Prev: Invoke

✕

The This Value property

Previous Value

Returns the previous chronological date range before the currently selected date range.

Properties Advanced Actions

▼ Date Range Picker

Value: today

Formatted Value: 2015-09-30T00:00:00/20

Next Value: 2015-10-01

This Value: 2015-09-30T00:00:00/2015-09-

Prev Value: yesterday

Input Mode: Day

Date Format String: yyyy-MM-ddTHH:mm:ss

Range Delimiter: /

Keep Special Value: None

Duration: 86400000

Next: Invoke

Prev: Invoke

✕

The Previous Value property

Input Mode

Sets or returns the currently selected input mode. The user can select from enabled input modes in a pop-up dialog. To enable and disable input modes in the Property Inspector, toggle the input mode properties, such as Show Range and Show Day.

Range

The user can specify a start date and end date using two calendars. If Show Full Time is enabled, the user can also specify a start time and end time using 24-hour time.

Day

The user can specify one day using a calendar, or specify today or yesterday using buttons.

Week

The user can specify one week using a calendar, or specify this week and last week using buttons. Clicking any date selects a week that includes that date. A week starts on a Sunday and ends on a Saturday.

Month

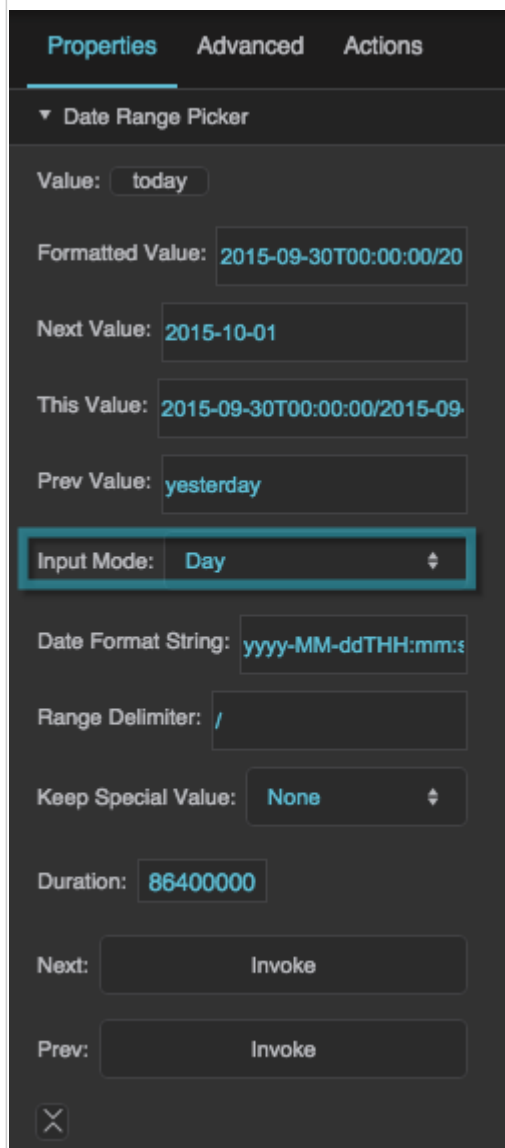
The user can specify a month and year using drop-down menus, or specify this month or last month using buttons.

Year

The user can specify one of the past ten years, using a drop-down menu, or specify this year and last year using buttons.

Relative

The user can specify a range relative to the current date and time. The user is prompted to enter a number of seconds, minutes, hours, days, weeks, months, or years, and to specify either "current" or "previous." A "current" range begins at the start of the unit; for example, if the current time is 3:26, the "current hour" is the hour from 3:00 to 4:00, and the "current two hours" is the period from 2:00 to 4:00. A "previous" range immediately precedes the current one. For example, if the time is 3:26, the "previous hour" is the hour from 2:00 to 3:00.



The screenshot shows a configuration panel for a Date Range Picker. It has three tabs: Properties, Advanced, and Actions. The Properties tab is active. The configuration includes:

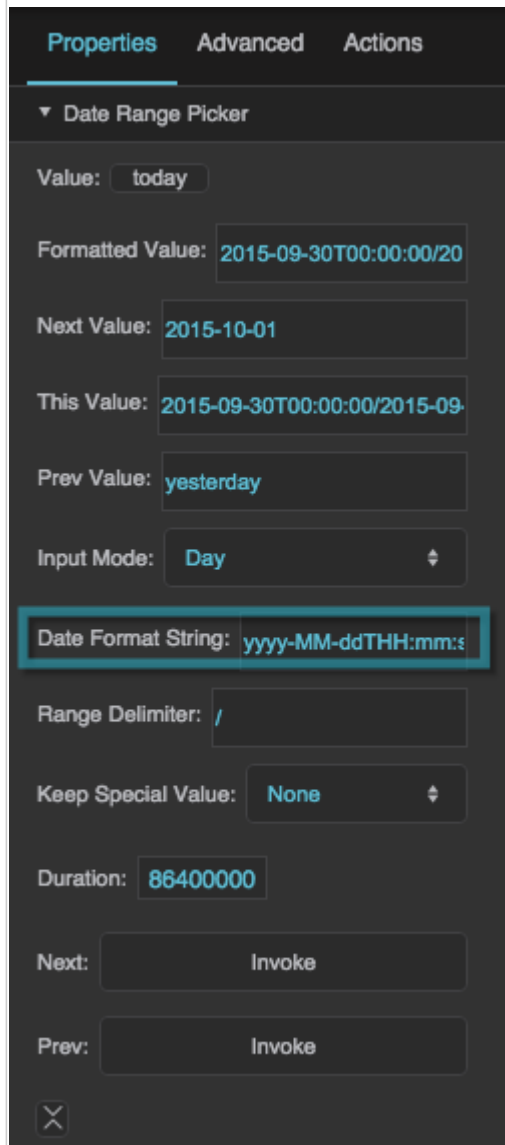
- Value:** today
- Formatted Value:** 2015-09-30T00:00:00/20
- Next Value:** 2015-10-01
- This Value:** 2015-09-30T00:00:00/2015-09-
- Prev Value:** yesterday
- Input Mode:** Day (highlighted with a red box)
- Date Format String:** yyyy-MM-ddTHH:mm:s
- Range Delimiter:** /
- Keep Special Value:** None
- Duration:** 86400000
- Next:** Invoke
- Prev:** Invoke

There is a close button (X) at the bottom left of the panel.

The Input Mode property

Date Format String

Defines the date format used by the component, as a date format string—for example, “yyyy-MM-ddTHH:mm:ss”. See date formatting help [here](#).



The screenshot shows the 'Properties' tab of a 'Date Range Picker' component. The 'Date Format String' property is highlighted with a red box and contains the value 'yyyy-MM-ddTHH:mm:ss'. Other visible properties include 'Value' (today), 'Formatted Value' (2015-09-30T00:00:00/20), 'Next Value' (2015-10-01), 'This Value' (2015-09-30T00:00:00/2015-09-30T00:00:00), 'Prev Value' (yesterday), 'Input Mode' (Day), 'Range Delimiter' (/), 'Keep Special Value' (None), and 'Duration' (86400000). There are also 'Next' and 'Prev' buttons with 'Invoke' labels.

The Date Format String property

Range Delimiter

Specifies the delimiter used between the start date and end date of the range.

Properties
Advanced
Actions

▼ Date Range Picker

Value:

Formatted Value:

Next Value:

This Value:

Prev Value:

Input Mode:

Date Format String:

Range Delimiter:

Keep Special Value:

Duration:

Next:

Prev:

The Range Delimiter property

Keep Special Value

Specifies how formatting is determined for the Formatted Value, Next Value, and Previous Value properties.

Keep Special Value Formatting

The Keep Special Value property specifies how formatting is determined for the Formatted Value, Next Value, and Previous Value properties. There are four choices for this property: None, Raw, Formatted, and Format Clean.

None

- If Date Format String is null, the behavior of None is the same as the behavior of Raw.
- If Date Format String is not null, Formatted Value, Next Value, and Previous Value are formatted as two instances of the Date Format String, separated by the Range Delimiter.

Raw

- If the "Today," "Yesterday," "This Week," "Last Week," "This Month," "Last Month," "This Year," or "Last Year" button is clicked, the Formatted Value is one of the following special strings: "today", "yesterday", "thisWeek", "lastWeek", "thisMonth", "lastMonth", "thisYear", "lastYear".
- Otherwise, the behavior of Raw is the same as the behavior of Formatted.

Formatted

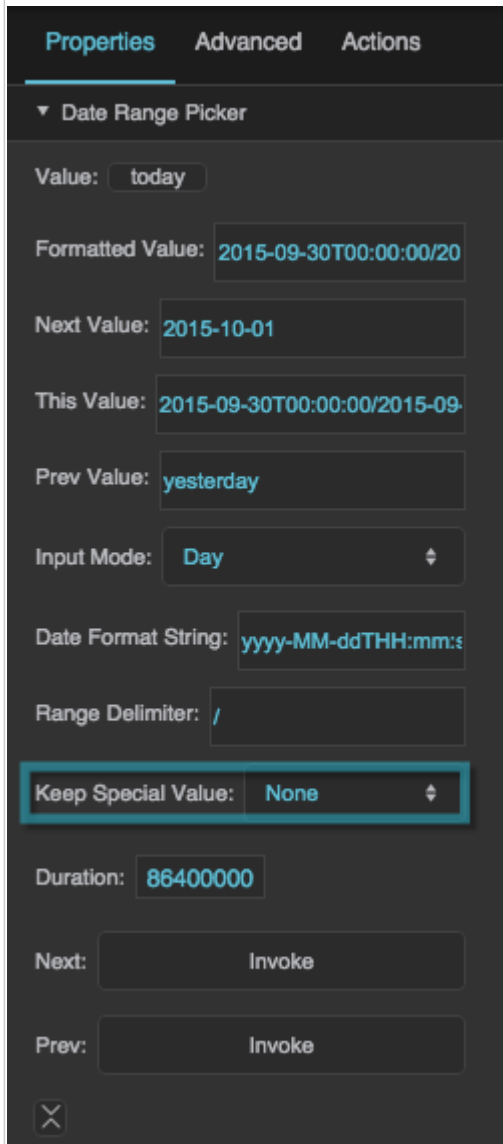
- Range input: If Date Format String is null, the Formatted Value uses "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss". Otherwise, the Formatted Value uses two instances of the Date Format String separated by the Range Delimiter. The Next Value and Previous Value use "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss".
- Day input: If Date Format String is null, the Formatted Value uses "yyyy-MM-dd". If Date Format String is not null, and the Today or Yesterday button is clicked, the Formatted Value uses the entire Date Format String for midnight on the specified date. Otherwise, the Formatted Value uses the two instances of the Date Format String separated by the Range Delimiter. The Next Value and Previous Value use either "today", "yesterday", or "yyyy-MM-dd".
- Week input: If Date Format String is null, the Formatted Value uses "thisWeek", "lastWeek", or "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss". If Date Format String is not null, the Formatted Value uses two instances of the Date Format String separated by the Range Delimiter. The Next Value and Previous Value use either "thisWeek", "lastWeek", or "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss".
- Month input: If Date Format String is null, the Formatted value uses "yyyy-MM". If Date Format String is not null, and the This Month or Last Month button is clicked, the Formatted Value uses the entire Date Format String for midnight on the first day of the specified month. Otherwise, the Formatted Value uses two instances of the Date Format String separated by the Range Delimiter. The Next Value and Previous Value use either "yyyy-MM", "thisMonth", or "lastMonth".
- Year input: If Date Format String is null, the Formatted Value uses "yyyy". If Date Format String is not null, and the This Year or Last Year button is clicked, the Formatted Value uses the entire Date Format String for midnight on the first day of the specified year. Otherwise, the Formatted Value uses two instances of the Date Format String separated by the Range Delimiter. The Next Value and Previous Value use either "yyyy", "thisYear", or "nextYear".
- Relative input: If Date Format String is null, the Formatted value uses the format "[current/previous]N[seconds/minutes/hours/days/weeks/months/years]", where N is a number and one element is chosen from each set of square brackets. Otherwise, the Formatted Value uses two instances of the Date Format String separated by the Range Delimiter. The Next Value and Previous value use either "[current/previous]N[seconds/minutes/hours/days/weeks/months/years]" or "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss".

Format Clean

- Range input: The behavior of range input for Formatted Clean is the same as the behavior for Formatted.
- Day input: If Date Format String is not null, and the Today or Yesterday button is clicked, the Formatted Value uses the Date Format String, with any time information removed. Otherwise, the behavior of day input for Formatted Clean is the same as the behavior for Formatted.
- Week input: The behavior of week input for Formatted Clean is the same as the behavior for Formatted.
- Month input: If Date Format String is not null, and the This Month or Last Month button is clicked,

the Formatted Value uses the Date Format String, with any time and day information removed. Otherwise, the behavior of month input for Formatted Clean is the same as the behavior for Formatted.

- Year input: If Date Format String is not null, and the This Year or Last Year button is clicked, the Formatted Value uses only the year portion of the Date Format String. Otherwise, the behavior of year input for Formatted Clean is the same as the behavior for Formatted.
- Relative input: The behavior of relative input for Formatted Clean is the same as the behavior for Formatted.

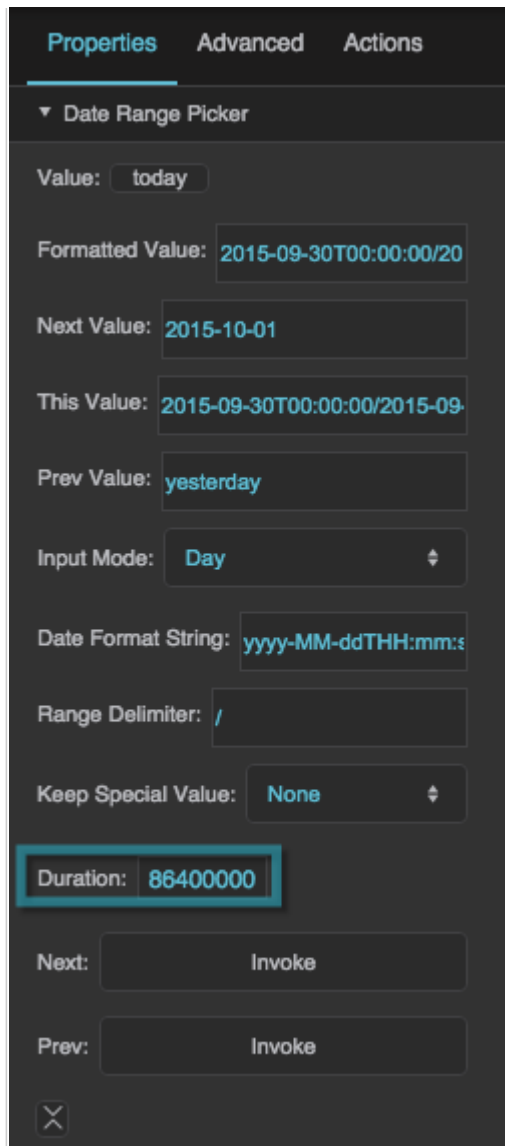


The screenshot shows the 'Properties' tab of a 'Date Range Picker' component. The 'Keep Special Value' property is highlighted with a red box and is set to 'None'. Other visible properties include 'Value' (today), 'Formatted Value' (2015-09-30T00:00:00/20), 'Next Value' (2015-10-01), 'This Value' (2015-09-30T00:00:00/2015-09-30T00:00:00/20), 'Prev Value' (yesterday), 'Input Mode' (Day), 'Date Format String' (yyyy-MM-ddTHH:mm:ss), 'Range Delimiter' (/), 'Duration' (86400000), and 'Next'/'Prev' buttons (Invoke).

The Keep Special Value property

Duration

The duration of the currently selected date range, in milliseconds.



The screenshot shows a dark-themed properties panel for a 'Date Range Picker'. At the top, there are three tabs: 'Properties' (selected), 'Advanced', and 'Actions'. Below the tabs is a dropdown menu for 'Date Range Picker'. The panel contains several input fields and dropdown menus:

- Value:** today
- Formatted Value:** 2015-09-30T00:00:00/20
- Next Value:** 2015-10-01
- This Value:** 2015-09-30T00:00:00/2015-09-
- Prev Value:** yesterday
- Input Mode:** Day (dropdown)
- Date Format String:** yyyy-MM-ddTHH:mm:ss
- Range Delimiter:** /
- Keep Special Value:** None (dropdown)
- Duration:** 86400000 (highlighted with a red box)
- Next:** Invoke
- Prev:** Invoke

At the bottom left of the panel is a close button (X).

The Duration property

Next

Changes the currently selected value to the next chronological value. For example, if January 2016 is selected, this action changes the selection to February 2016.

Properties Advanced Actions

▼ Date Range Picker

Value: today

Formatted Value: 2015-09-30T00:00:00/20

Next Value: 2015-10-01

This Value: 2015-09-30T00:00:00/2015-09-

Prev Value: yesterday

Input Mode: Day

Date Format String: yyyy-MM-ddTHH:mm:ss

Range Delimiter: /

Keep Special Value: None

Duration: 86400000

Next: Invoke

Prev: Invoke

✕

The Next property

Previous

Changes the currently selected value to the previous chronological value. For example, if January 2016 is selected, this action changes the selection to December 2015.

Properties Advanced Actions

▼ Date Range Picker

Value: today

Formatted Value: 2015-09-30T00:00:00/20

Next Value: 2015-10-01

This Value: 2015-09-30T00:00:00/2015-09-

Prev Value: yesterday

Input Mode: Day

Date Format String: yyyy-MM-ddTHH:mm:ss

Range Delimiter: /

Keep Special Value: None

Duration: 86400000

Next: Invoke

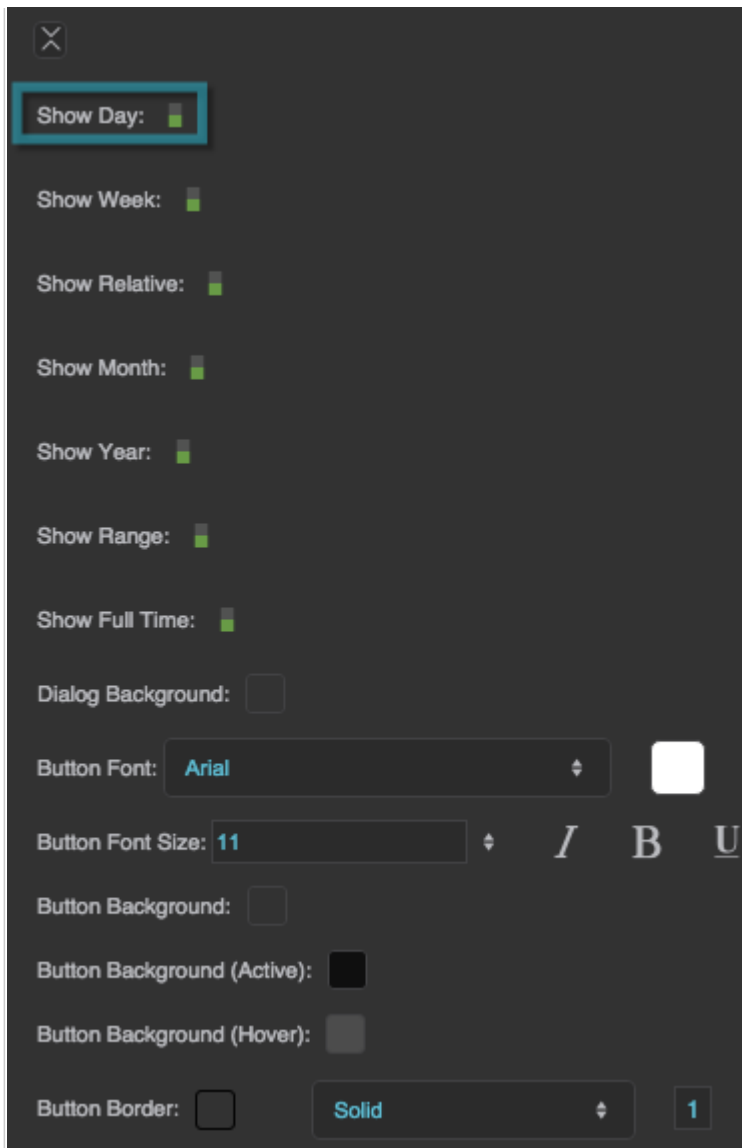
Prev: Invoke

✕

The Previous property

Show Day

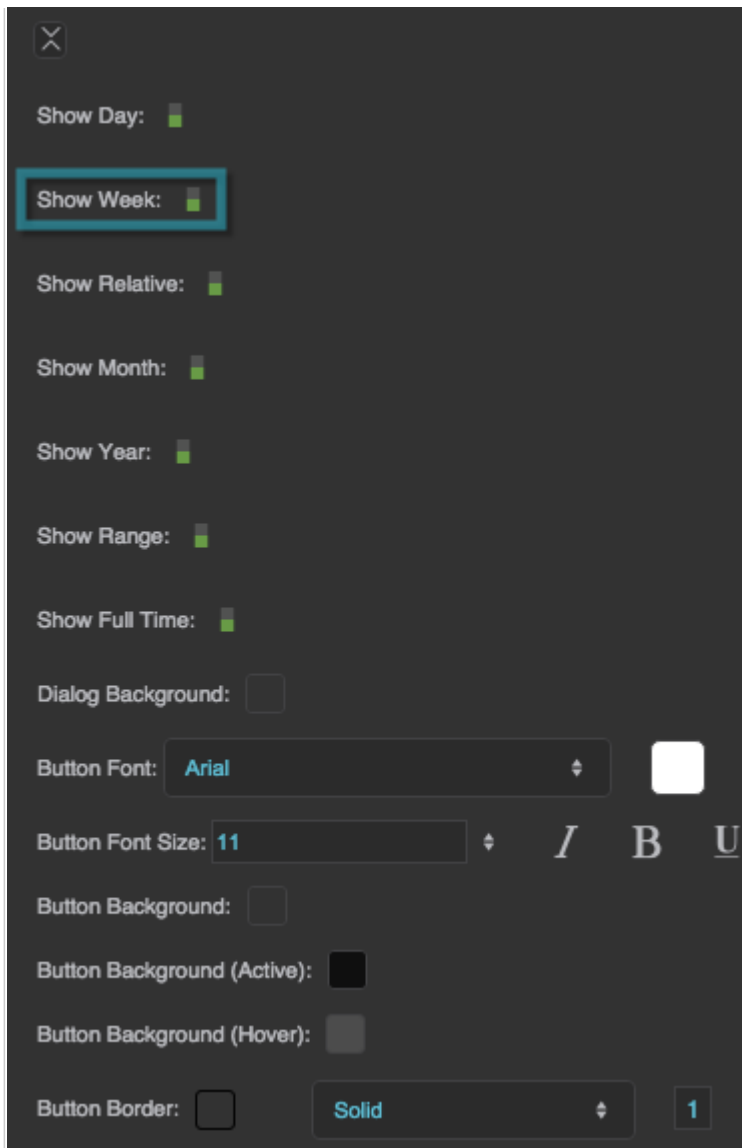
Specifies whether this date range picker includes an option to choose a day.



The Show Day property

Show Week

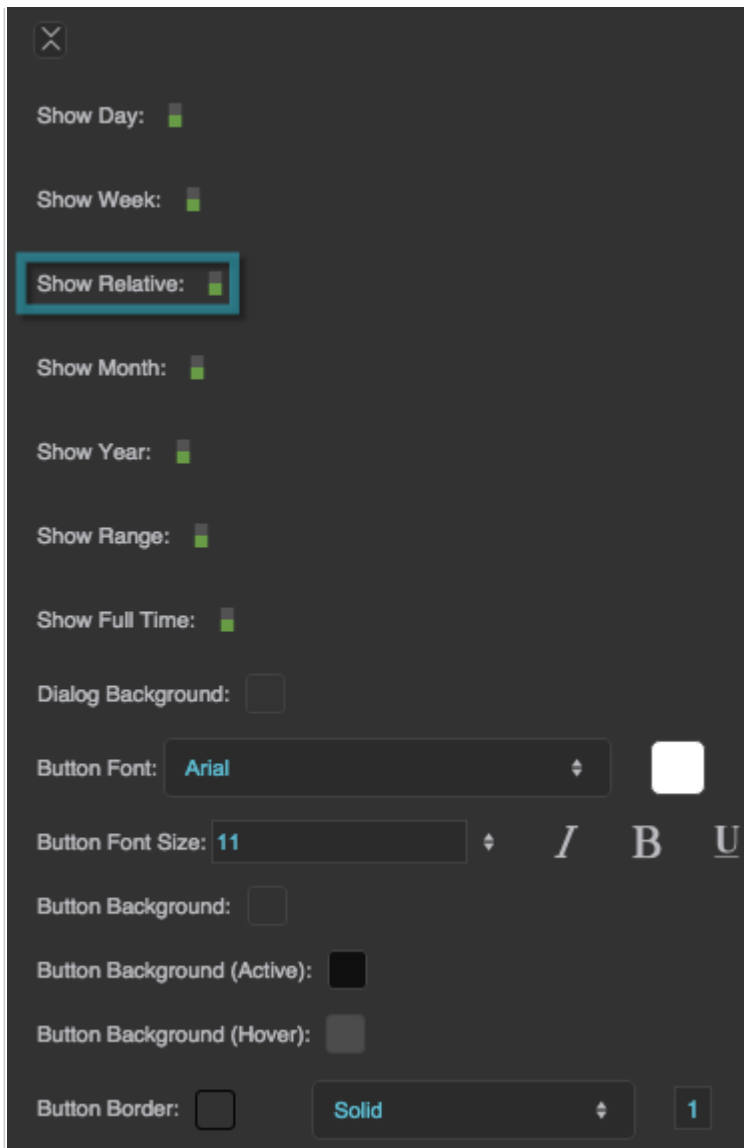
Specifies whether this date range picker includes an option to choose a week beginning on Sunday and ending on Saturday.



The Show Week property

Show Relative

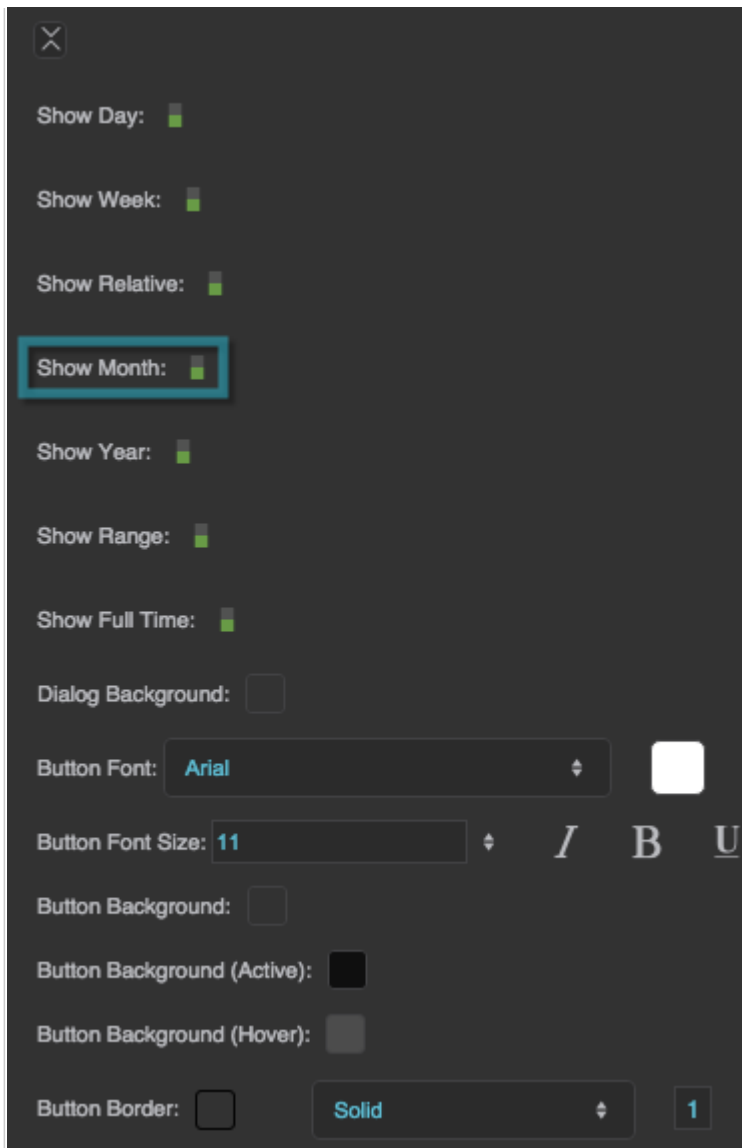
Specifies whether this date range picker includes an option to choose a date range relative to the current date.



The Show Relative property

Show Month

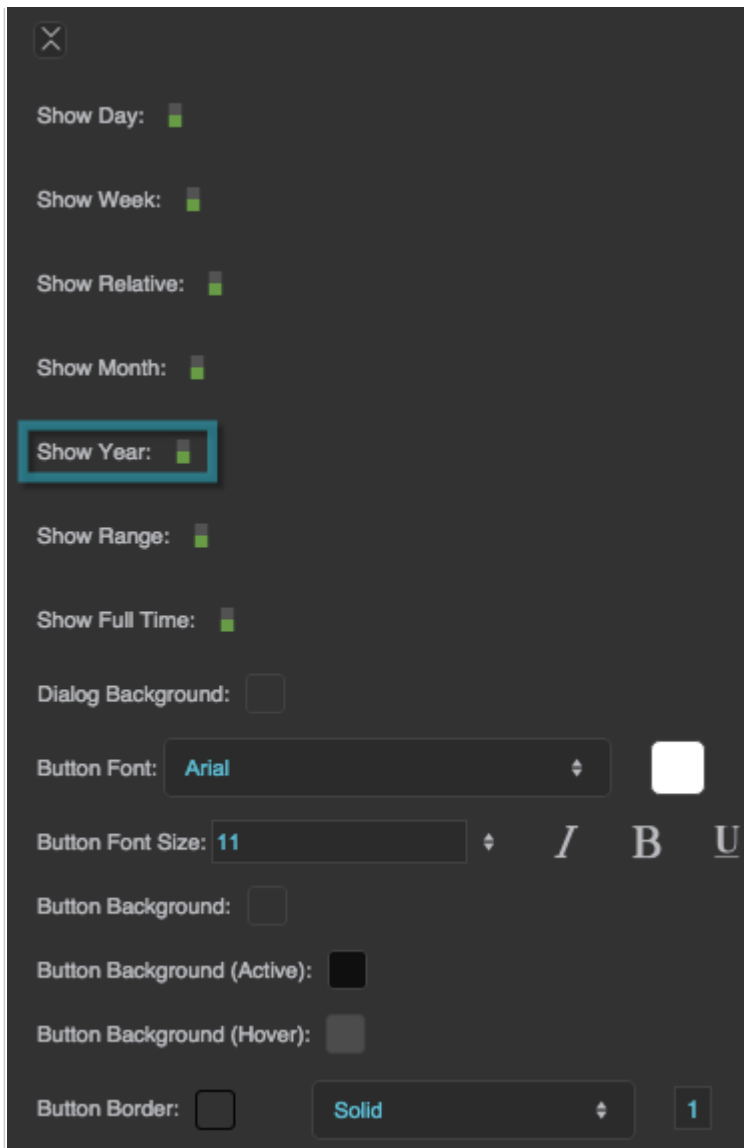
Specifies whether this date range picker includes an option to choose a calendar month.



The Show Month property

Show Year

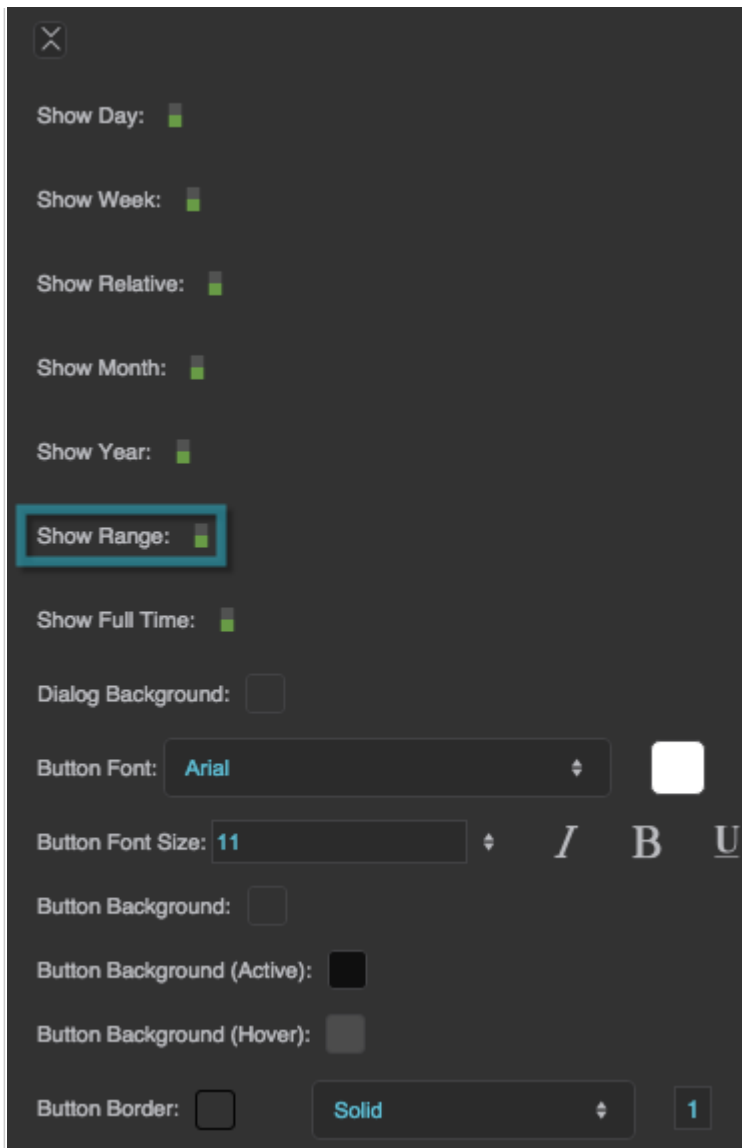
Specifies whether this date range picker includes an option to choose a calendar year.



The Show Year property

Show Range

Specifies whether this date range picker includes an option to choose a starting date/time and ending date/time.



The Show Range property

Show Full Time

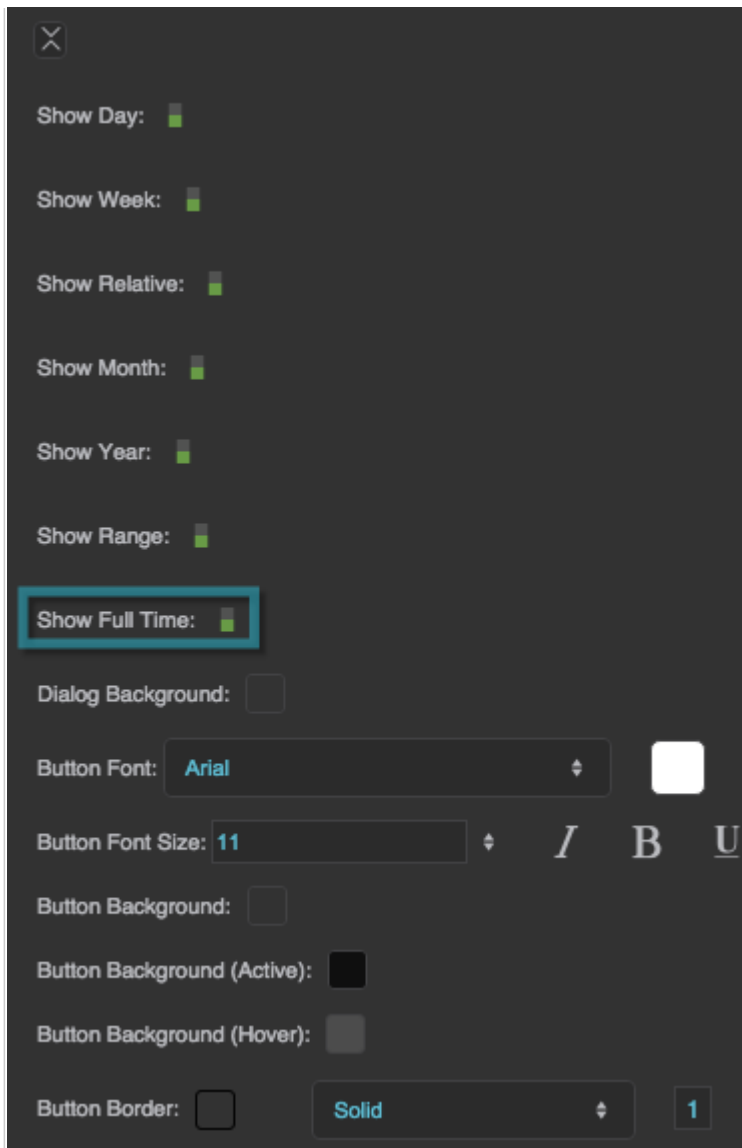
Determines whether the Range portion of the date range picker includes time.

TRUE

The date range picker can specify start and end times, as well as start and end dates.

FALSE

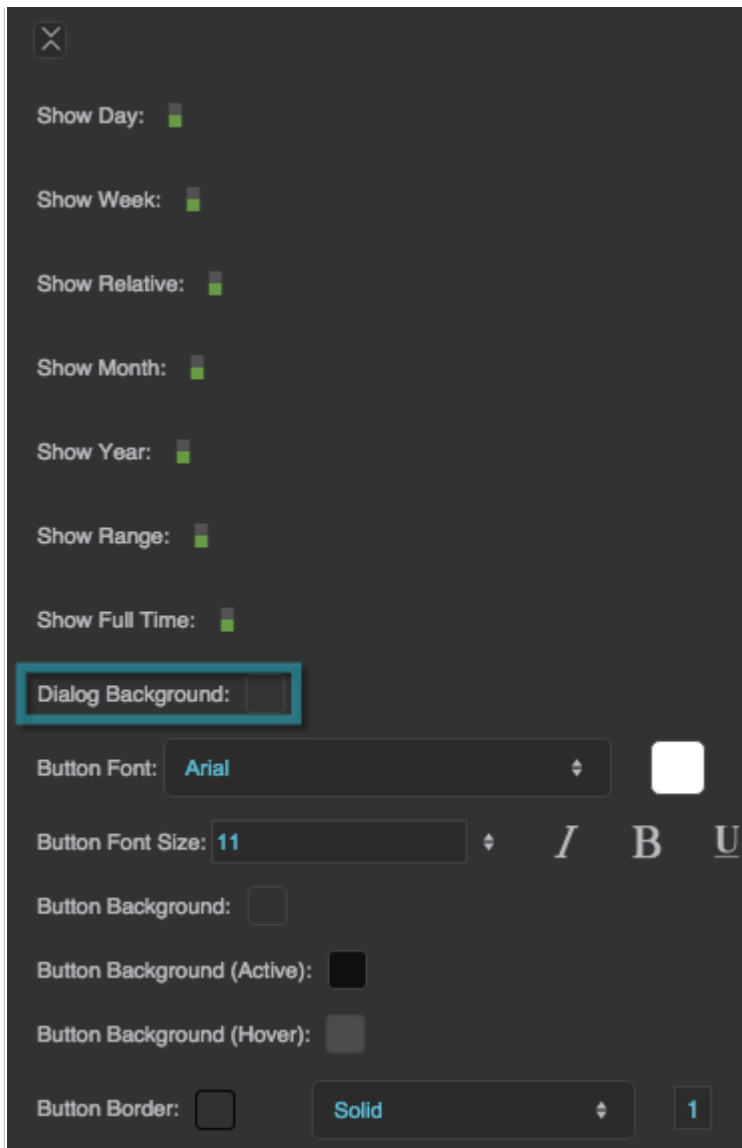
The date range picker can specify start and end dates only.



The Show Full Time property

Dialog Background

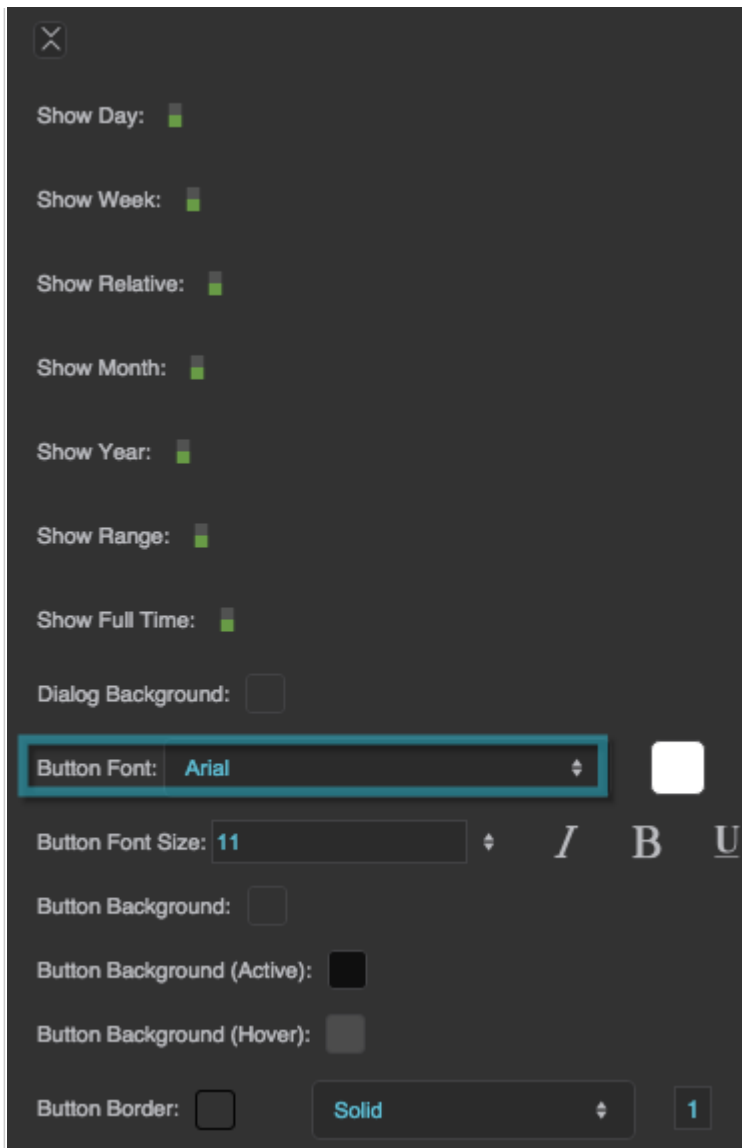
Defines the background color for the daterange picker dialog.



The Dialog Background property

Button Font

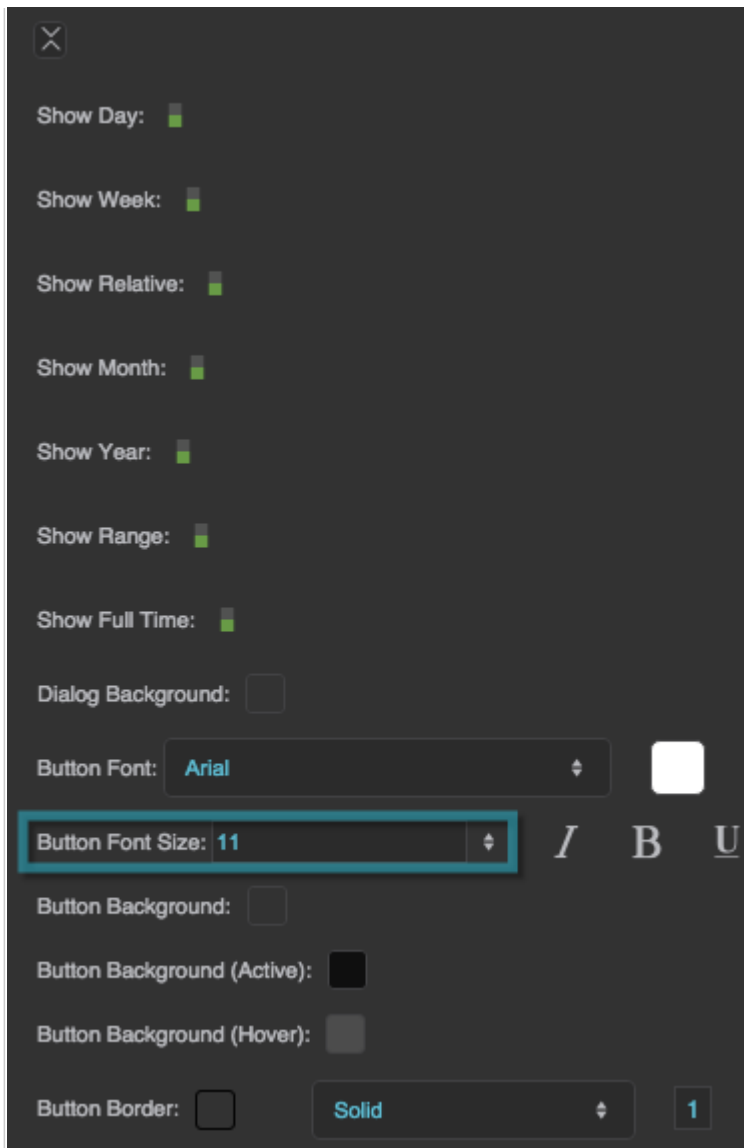
Defines the font for buttons within this date range picker. To add a font to this project and use it for this property, see [Text Component Properties](#).



The Button Font property

Button Font Size

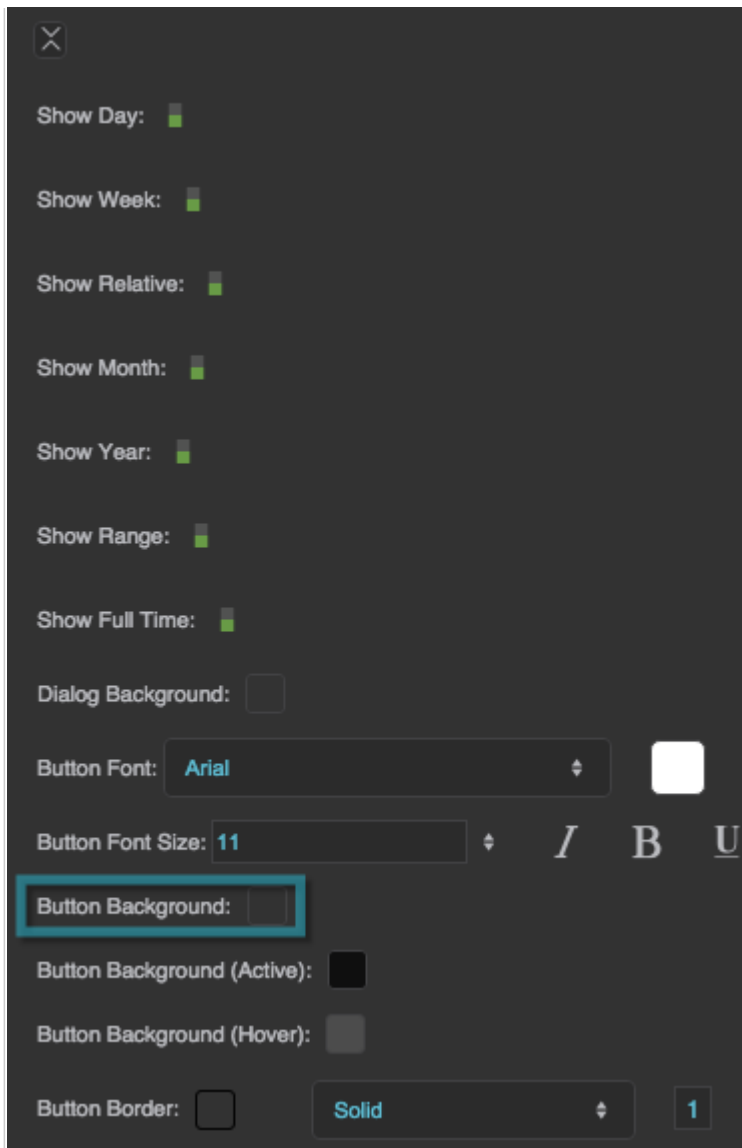
Defines the font size for buttons within this date range picker.



The Button Font Size property

Button Background

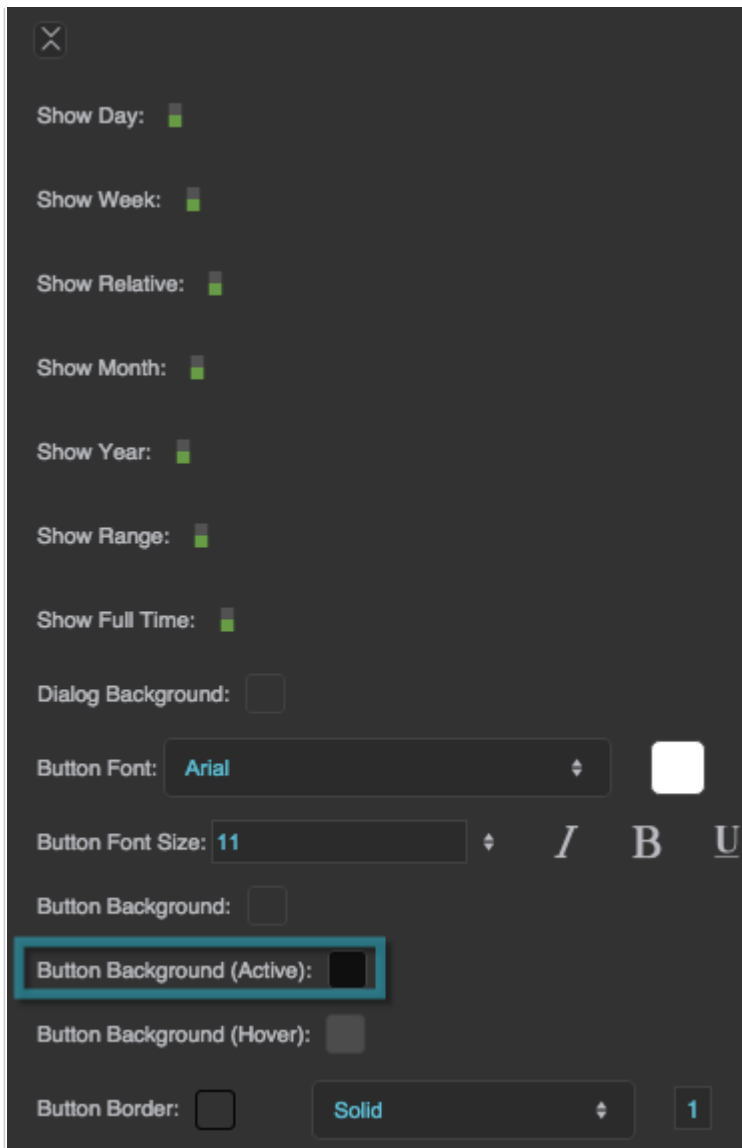
Defines the fill for buttons within this date range picker that are not currently active (selected) or moused-over.



The Button Background property

Button Background (Active)

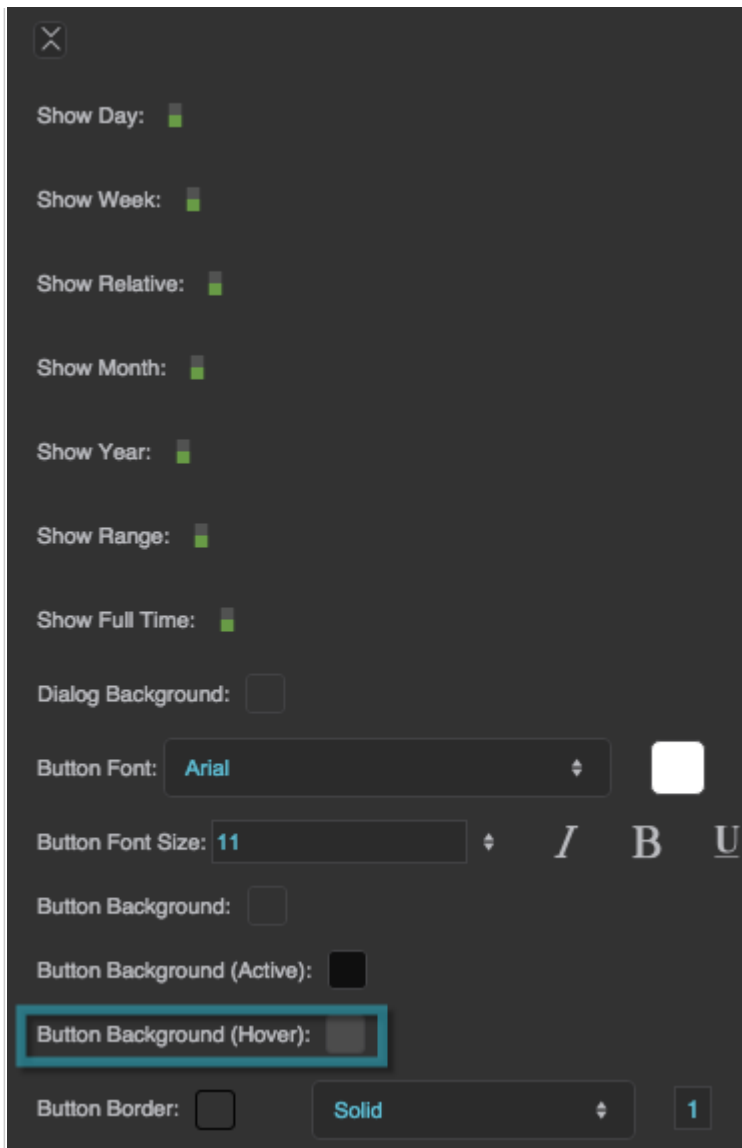
Defines the fill for active (selected) buttons within this date range picker.



The Button Background (Active) property

Button Background (Hover)

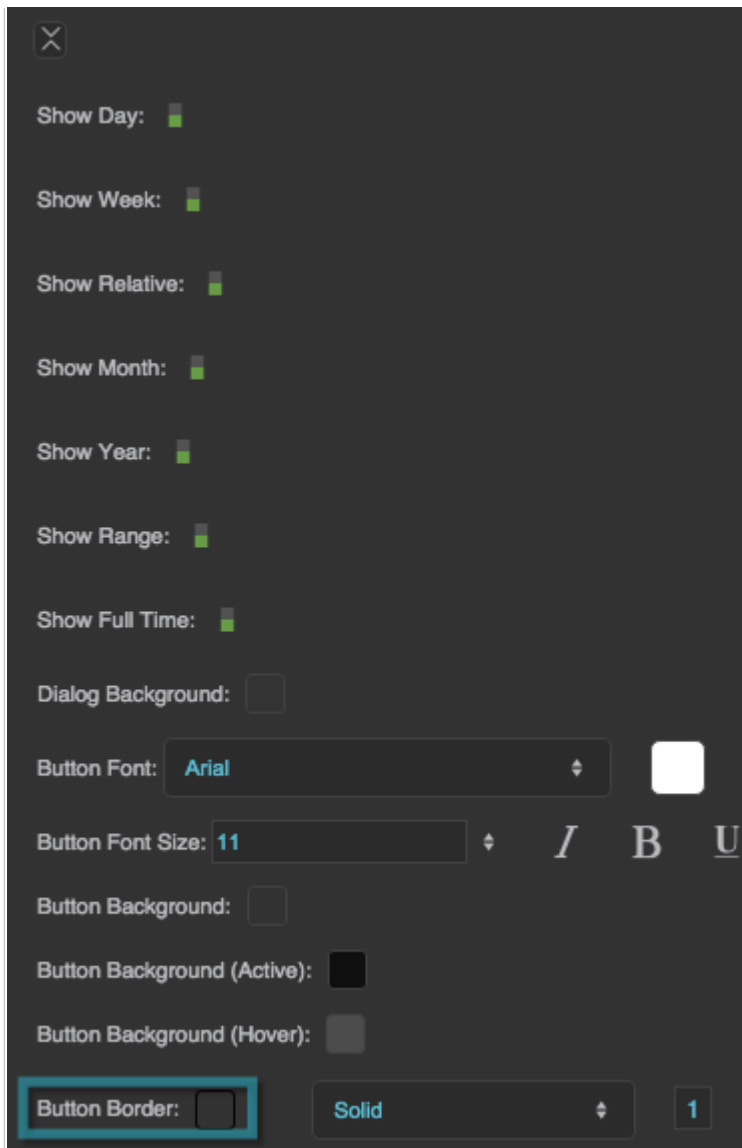
Defines the fill for moused-over buttons within this date range picker.



The Button Background (Hover) property

Button Border

Defines the border color for all buttons within this date range picker.



The Button Border property

2019/07/17 19:17

[Previous: Calendar](#)

[Next: Tree](#)

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