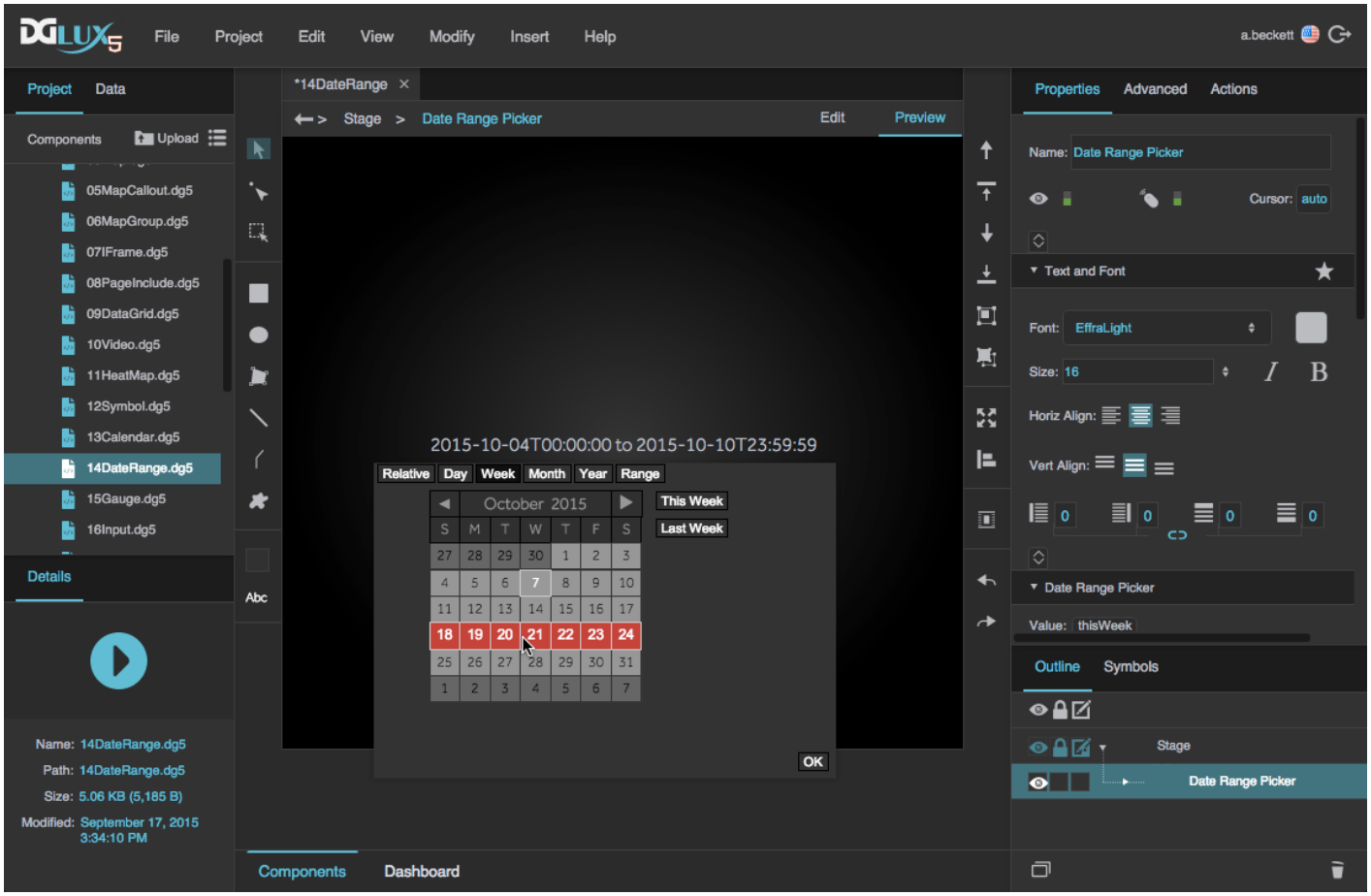
Date Range Picker

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

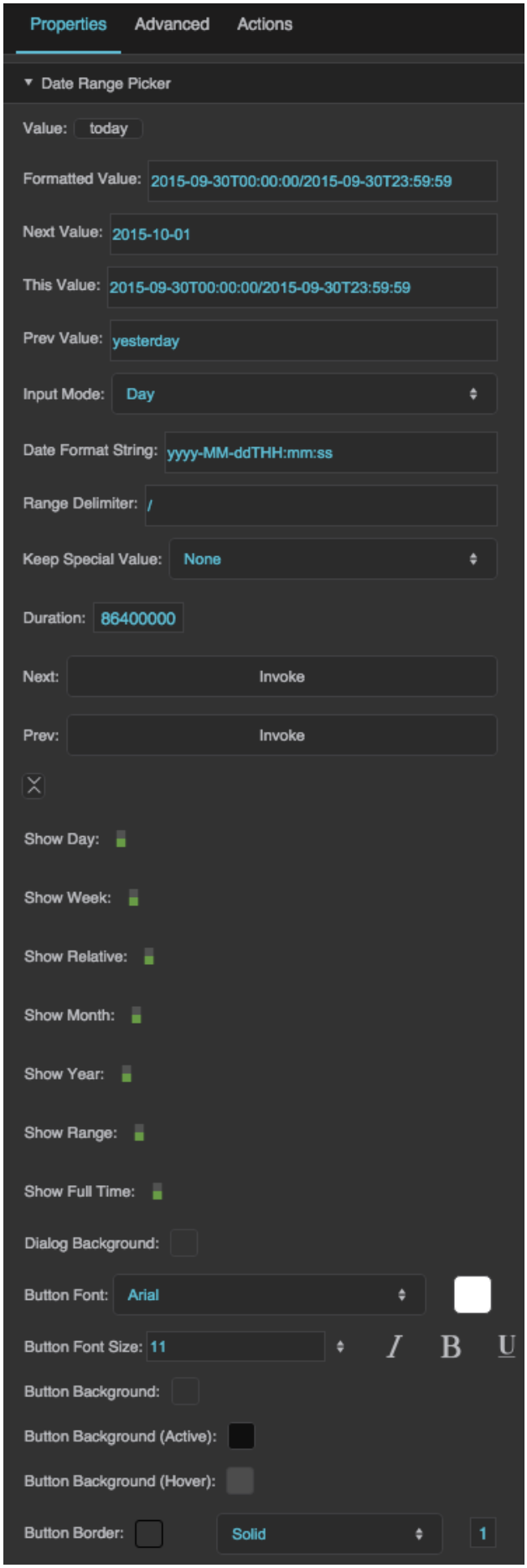
Video Tutorial: Bind Date Range Picker to Chart

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.

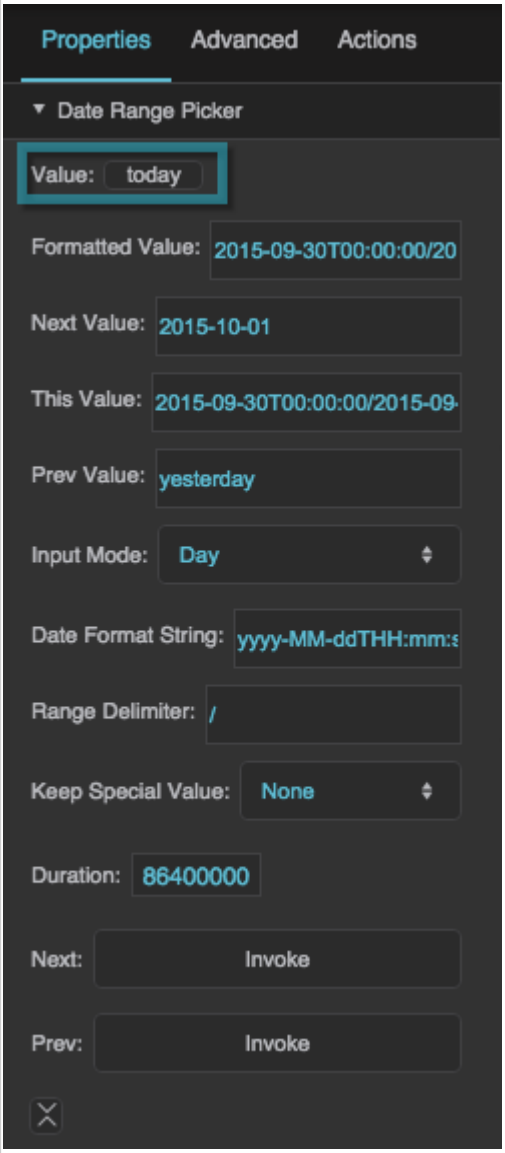

Properties
Advanced
Actions
Date Range Picker
Value: today
Formatted Value: 2015-09-30T00:00:00/2015-09-30T23:59:59
Next Value: 2015-10-01
This Value: 2015-09-30T00:00:00/2015-09-30T23:59:59
Prev Value: yesterday
Input Mode: Day
Date Format String: yyyy-MM-ddTHH:mm:ss
Range Delimiter: /
Keep Special Value: None
Duration: 86400000
Next: Invoke
Prev: Invoke
Show Day:
Show Week:
Show Relative:
Show Month:
Show Year:
Show Range:
Show Full Time:
Dialog Background:
Button Font: Arial
Button Font Size: 11
Button Background:
Button Background (Active):
Button Background (Hover):
Button Border: Solid 1

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

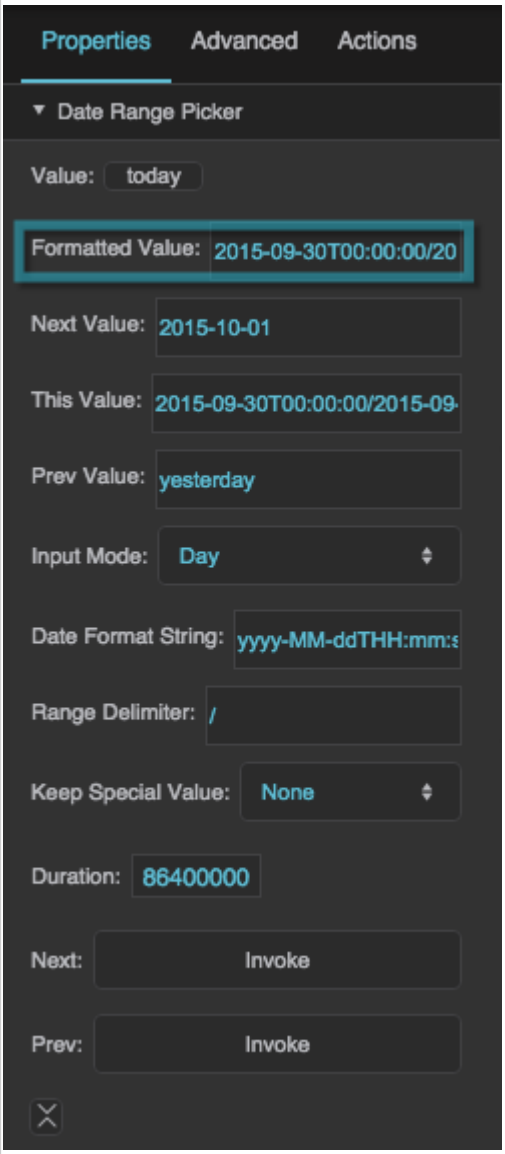


The Value property

Formatted Value

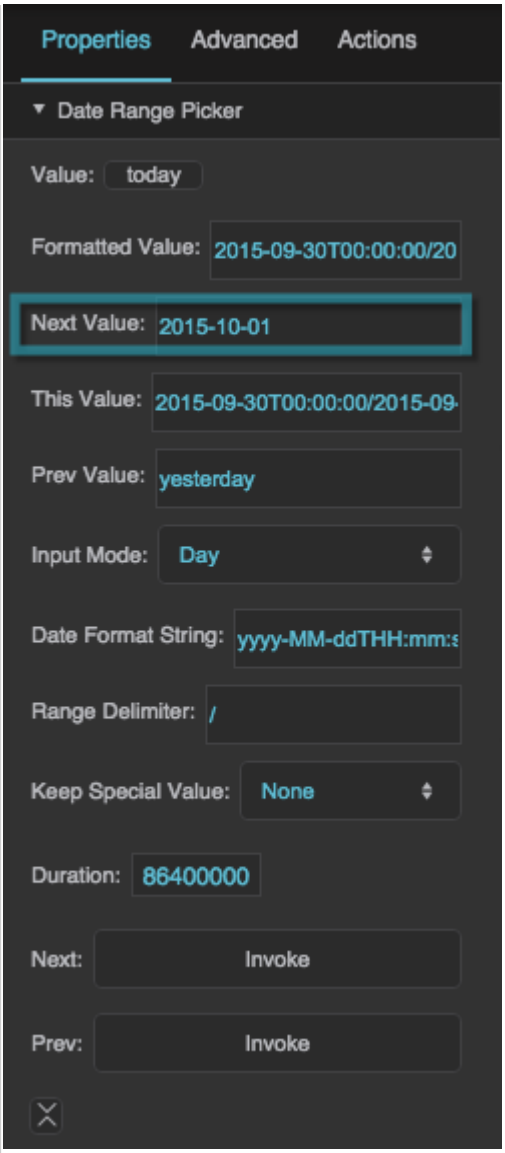
Returns a formatted version of the Value property. The format is determined using the Date Format String, Range Delimiter, and Keep Special Value properties.

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



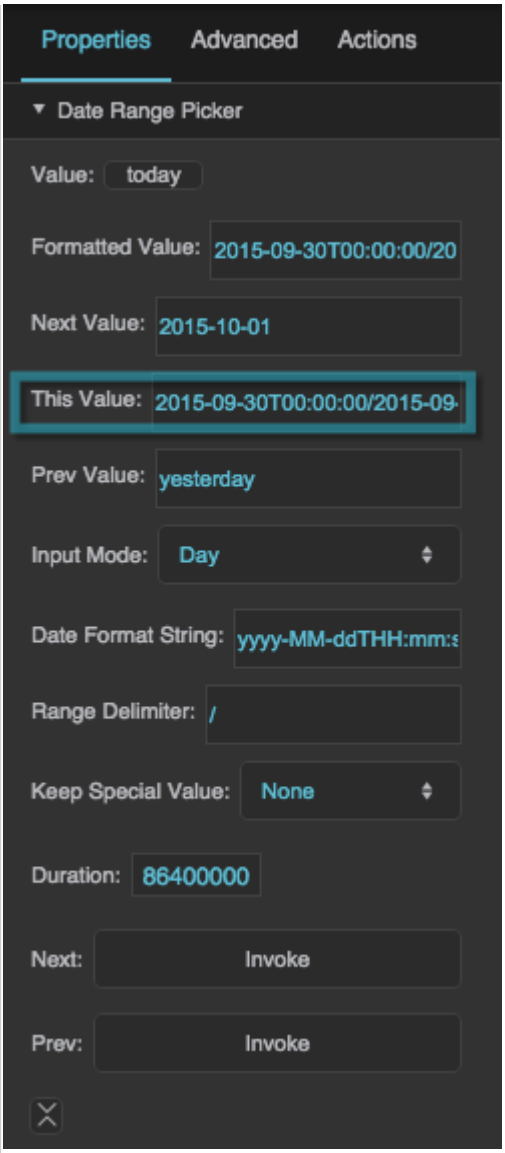
The Formatted Value property

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



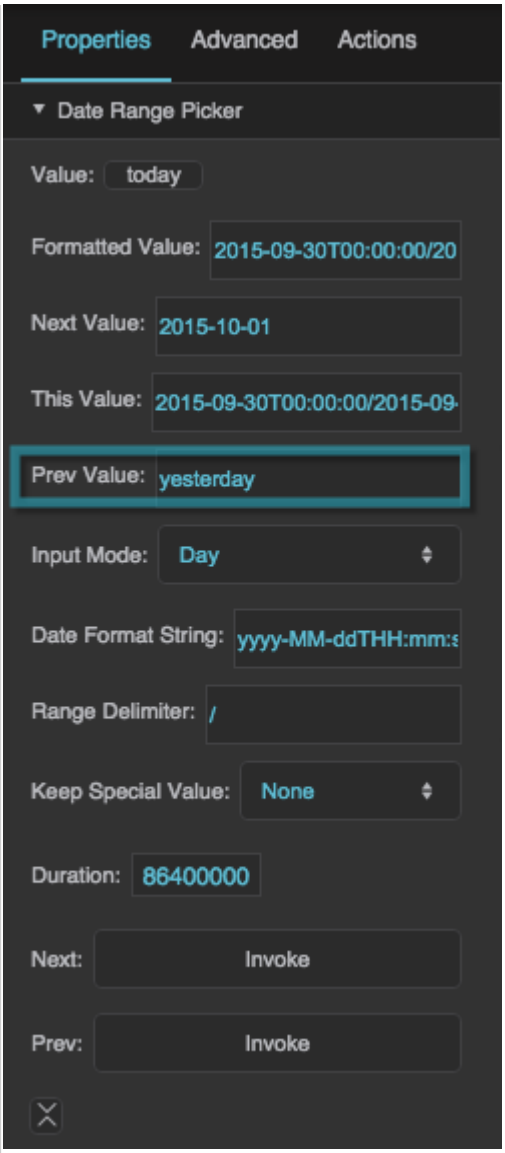
The Next Value property

This Value
Returns the currently selected date range.



The This Value property

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



The Previous Value property

Input Mode
Sets or returns the currently selected input mode. The default is Day. 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 Time In Range Mode is enabled, the user can also specify a start time and end time using 24-hour time.

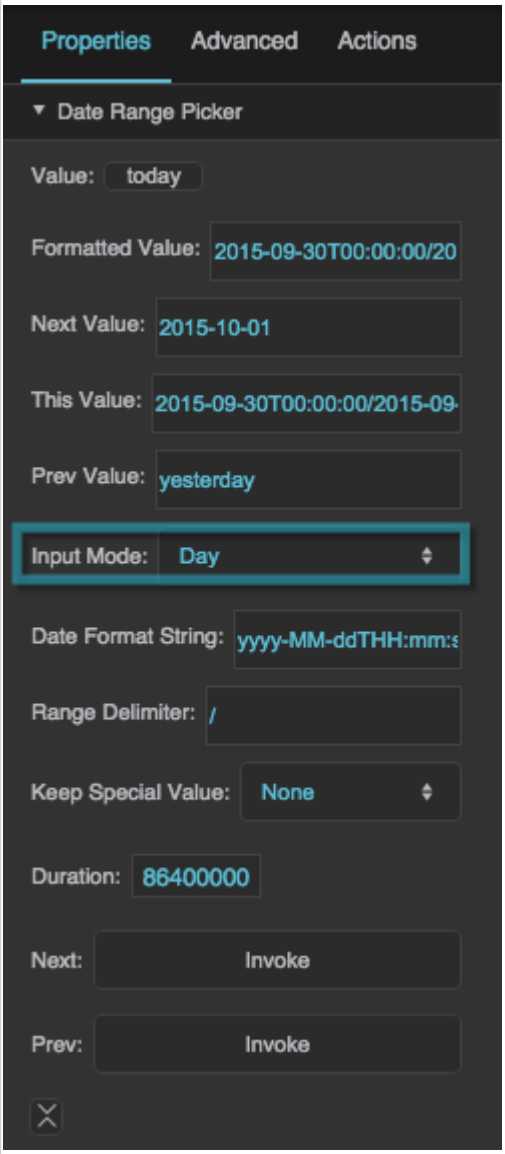
Day
The user can specify one day using a calendar, or specify today or yesterday using buttons.

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 the project's first day of the week (Sunday by default).

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.

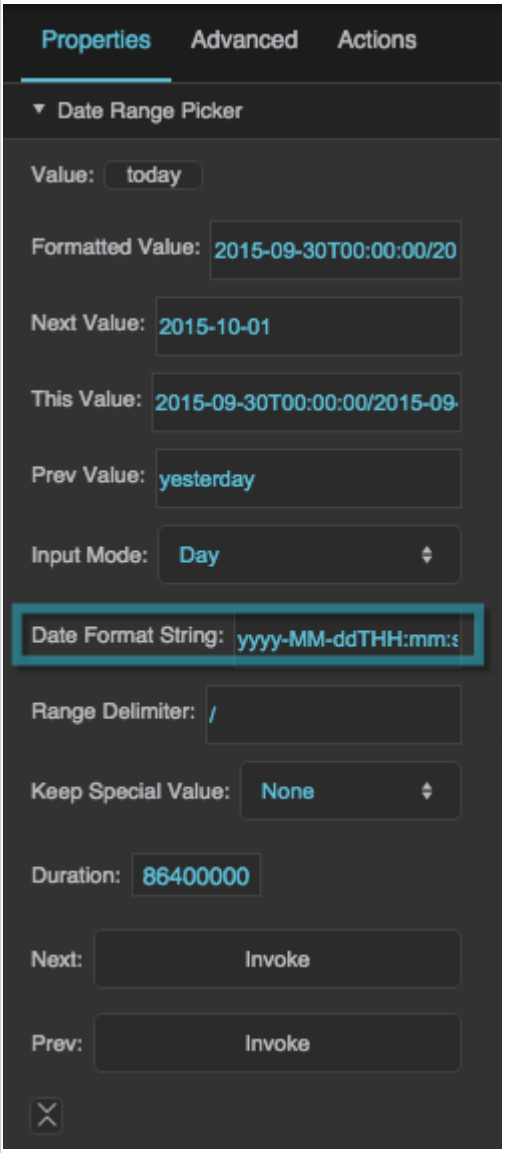
Relative
The user can specify a range relative to the current date and time. The user is prompted to enter a number of seconds, minutes, hours, days, weeks, months, or years, and to specify either "current" or "previous." A "current" range begins at the start of the unit; for example, if the current 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 Input Mode property

Date Format String

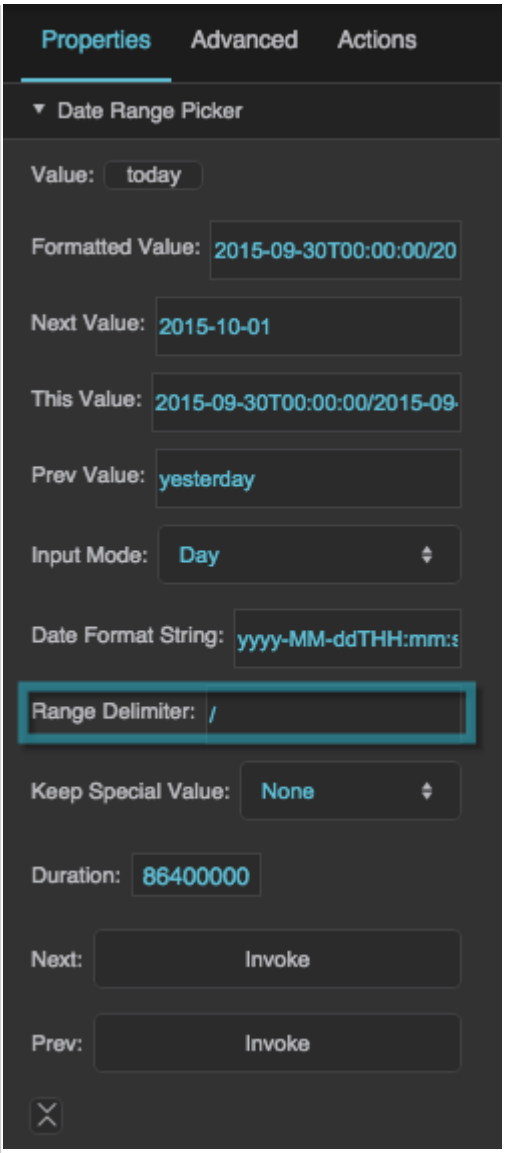
Defines the date format used by the component, as a date format string—for example, “yyyy-MM-ddTHH:mm:ss”. See date formatting help here.



The Date Format String property

Range Delimiter

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



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 (default), 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

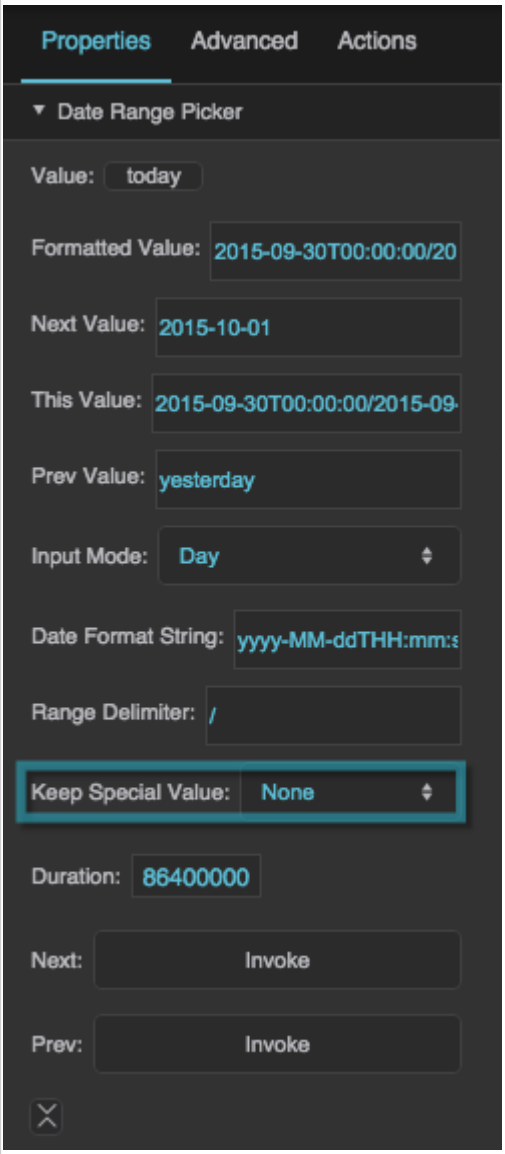
- Range input: If Date Format String is null, the Formatted Value uses "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss". Otherwise, the Formatted Value uses two instances of the Date Format String separated by the Range Delimiter. The Next Value and Previous Value use "yyyy-MM-ddThh:mm:ss/yyyy-MM-ddThh:mm:ss".
- 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.

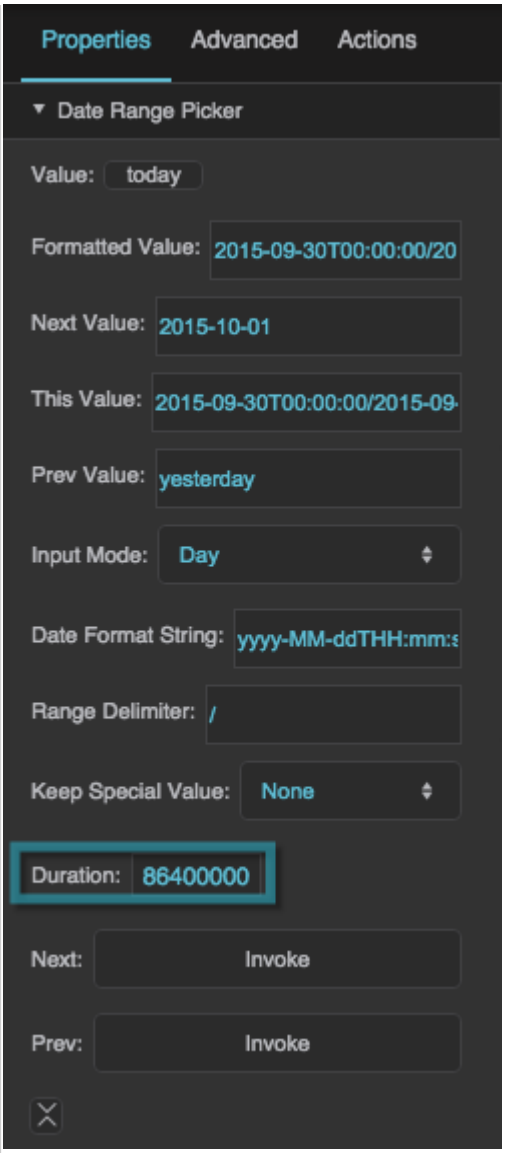
- Month input: If Date Format String is not null, and the This Month or Last Month button is clicked, the Formatted Value uses the Date Format String, with any time and day information removed. Otherwise, the behavior of month input for Formatted Clean is the same as the behavior for Formatted.
- Year 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 Keep Special Value property

Duration

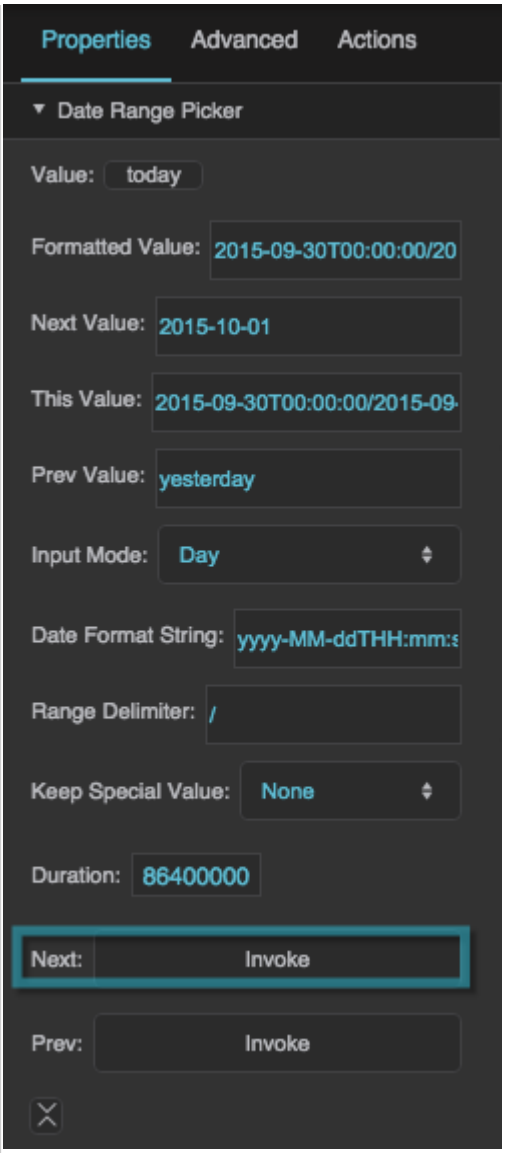
The duration of the currently selected date range, in milliseconds.



The Duration property

Next

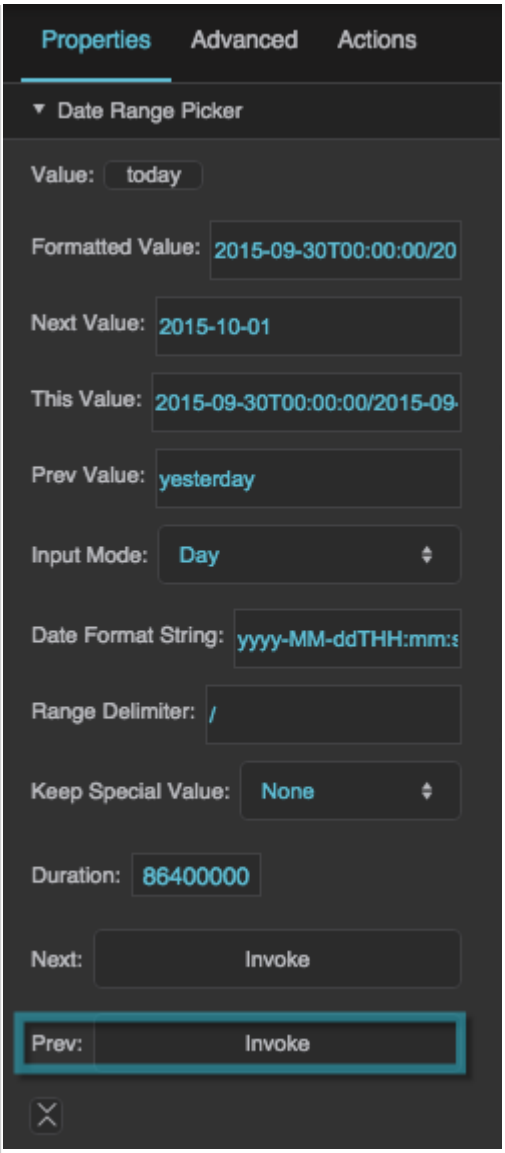
Changes the currently selected value to the next chronological value. For example, if January 2016 is selected, this action changes the selection to February 2016.



The Next property

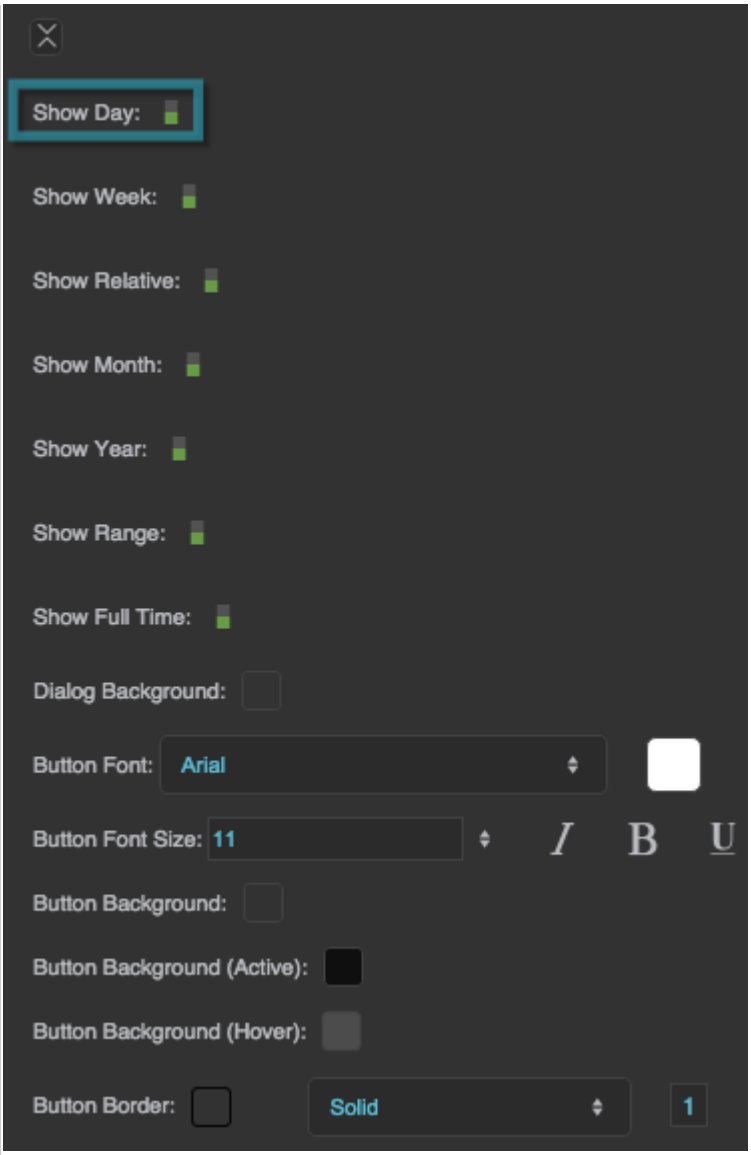
Prev

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.



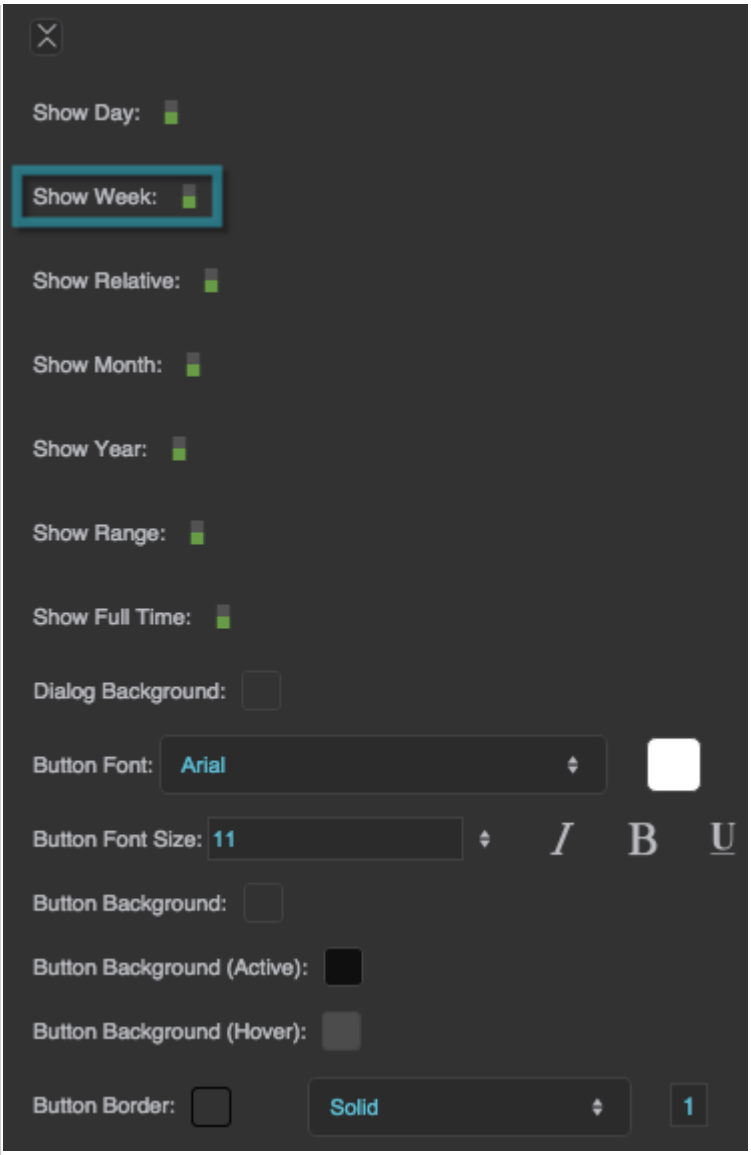
The Previous property

Show Day
Specifies whether this date range picker includes an option to choose a day. TRUE by default.



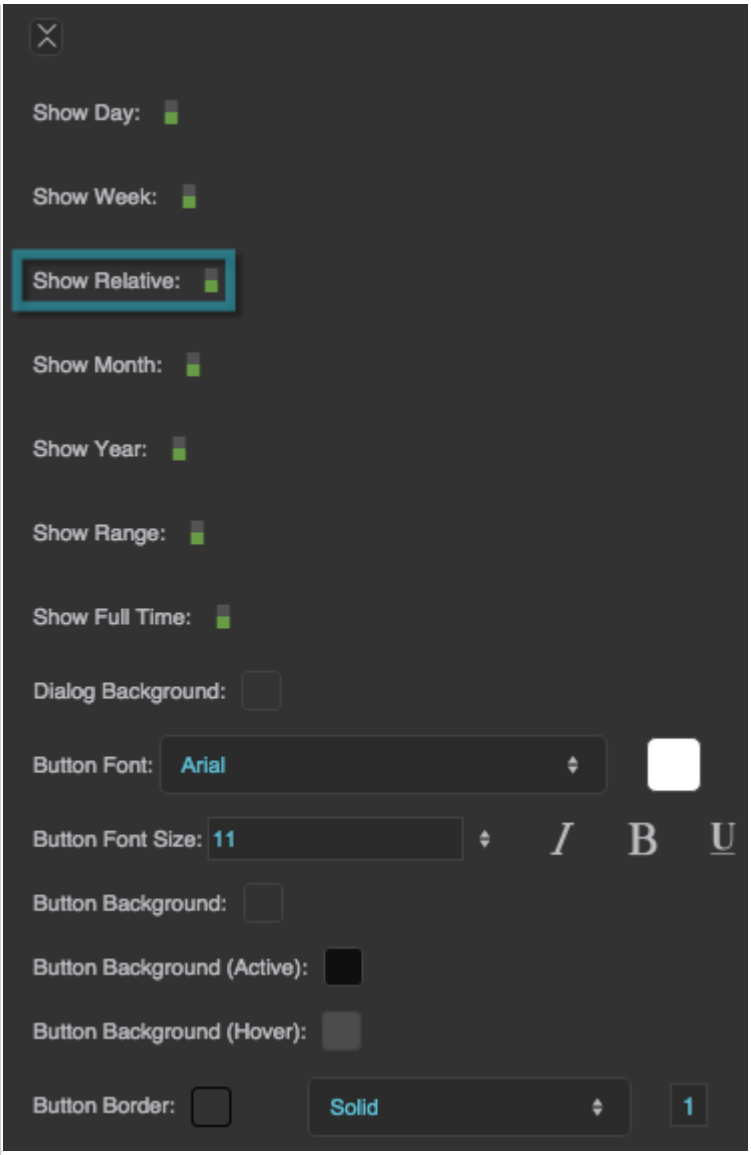
The Show Day property

Show Week
Specifies whether this date range picker includes an option to choose a week. Weeks start on the project's first day of the week (Sunday by default). TRUE by default.



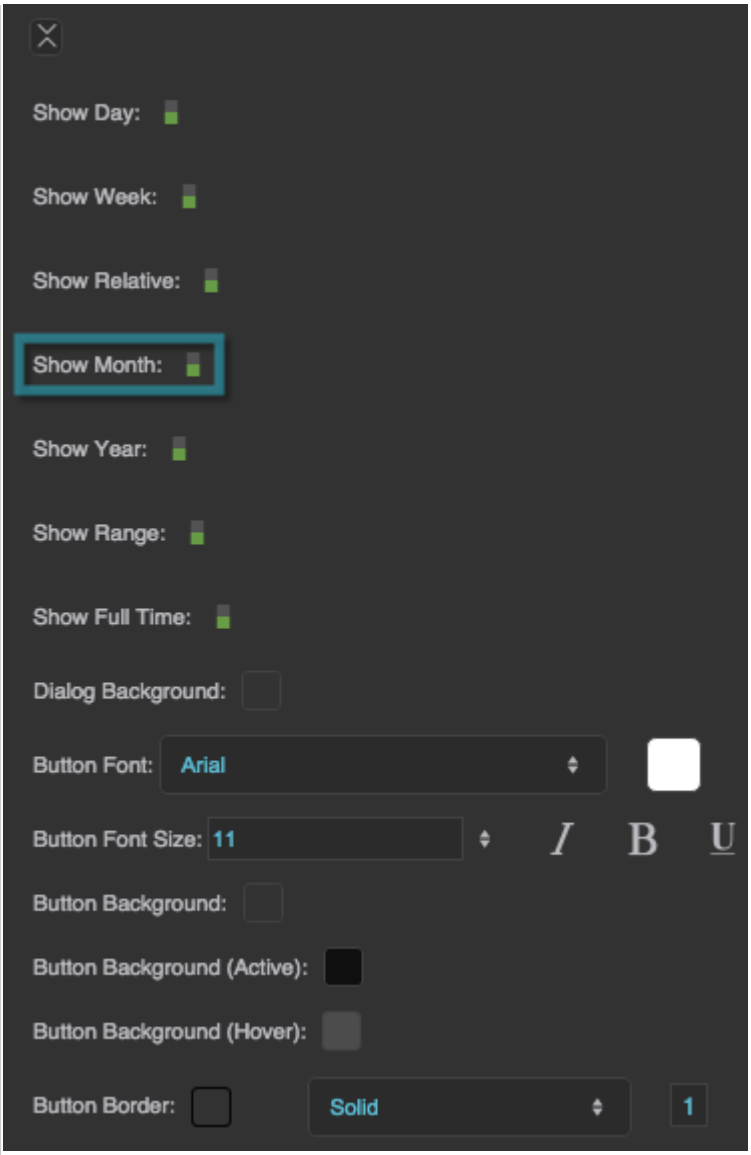
The Show Week property

Show Relative
Specifies whether this date range picker includes an option to choose a date range relative to the current date. TRUE by default.



The Show Relative property

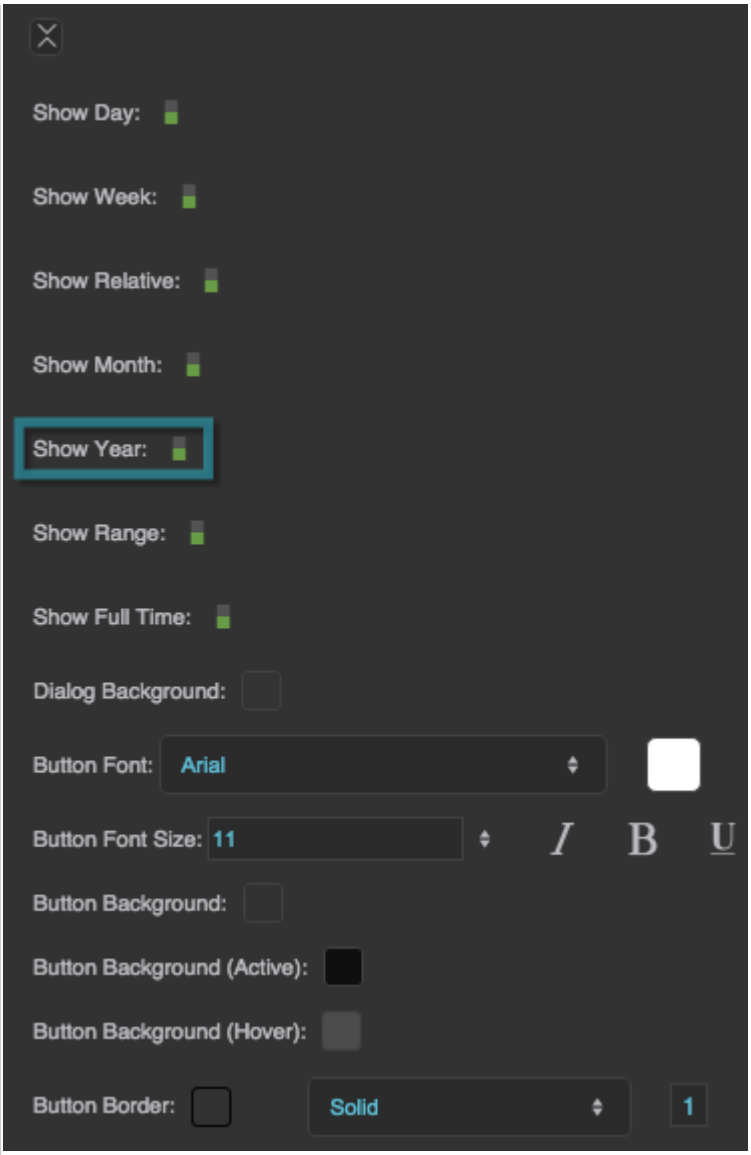
Show Month
Specifies whether this date range picker includes an option to choose a calendar month. TRUE by default.



The Show Month property

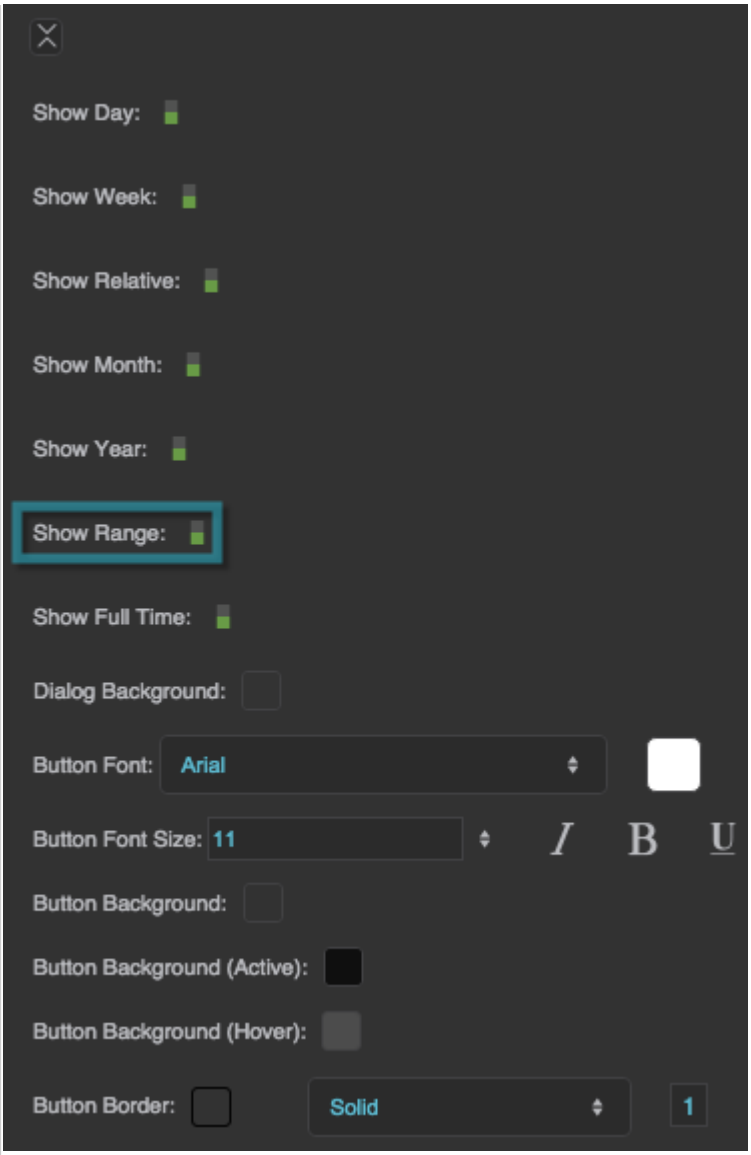
Show Year

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



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. TRUE by default.

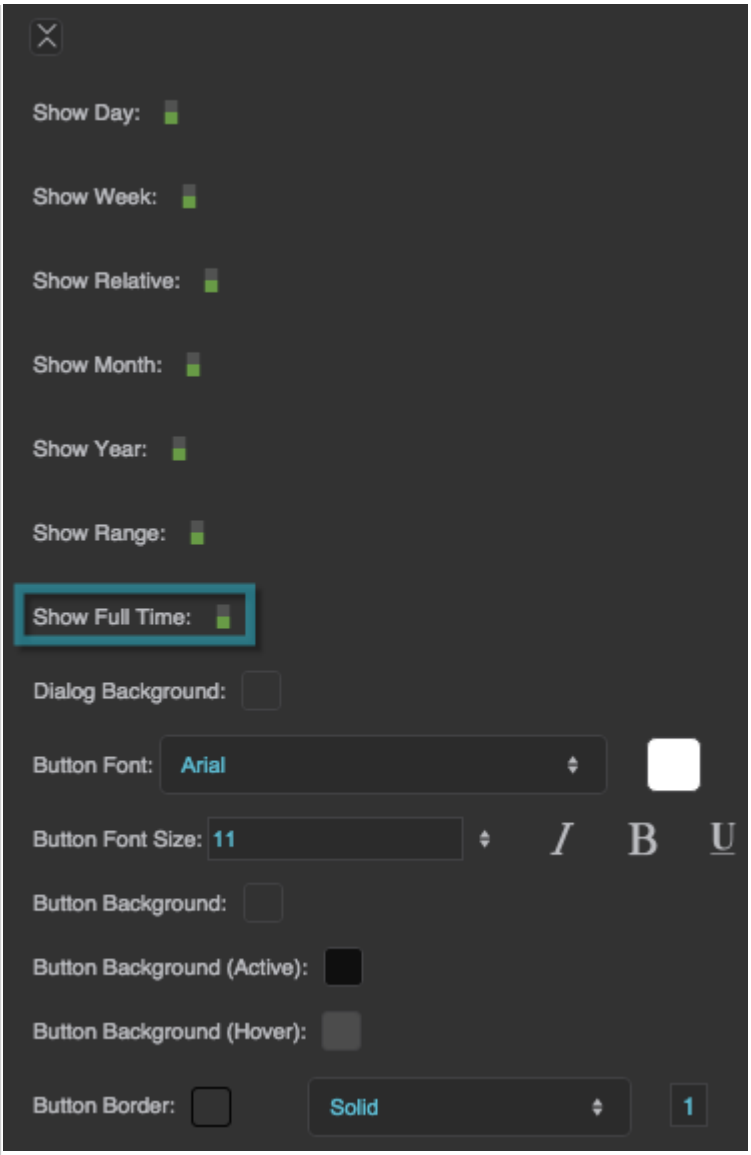


The Show Range property

Show Time In Range Mode
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.

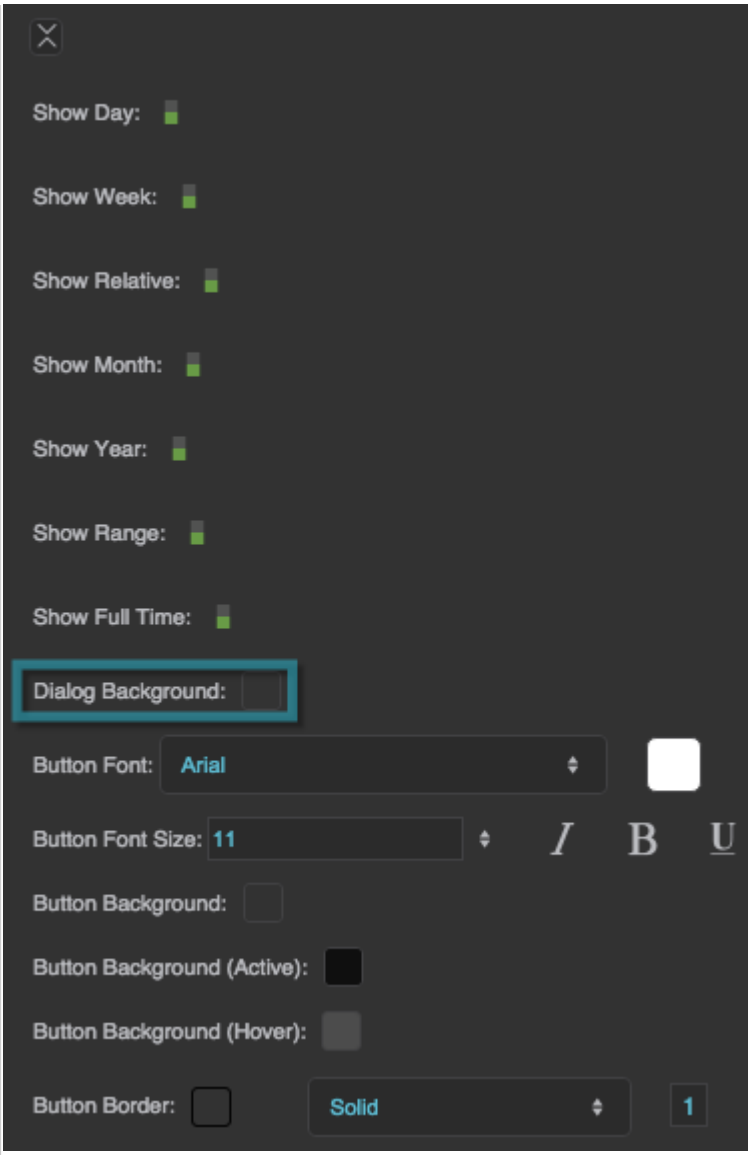
FALSE
The date range picker can specify start and end dates only.



The Show Full Time property

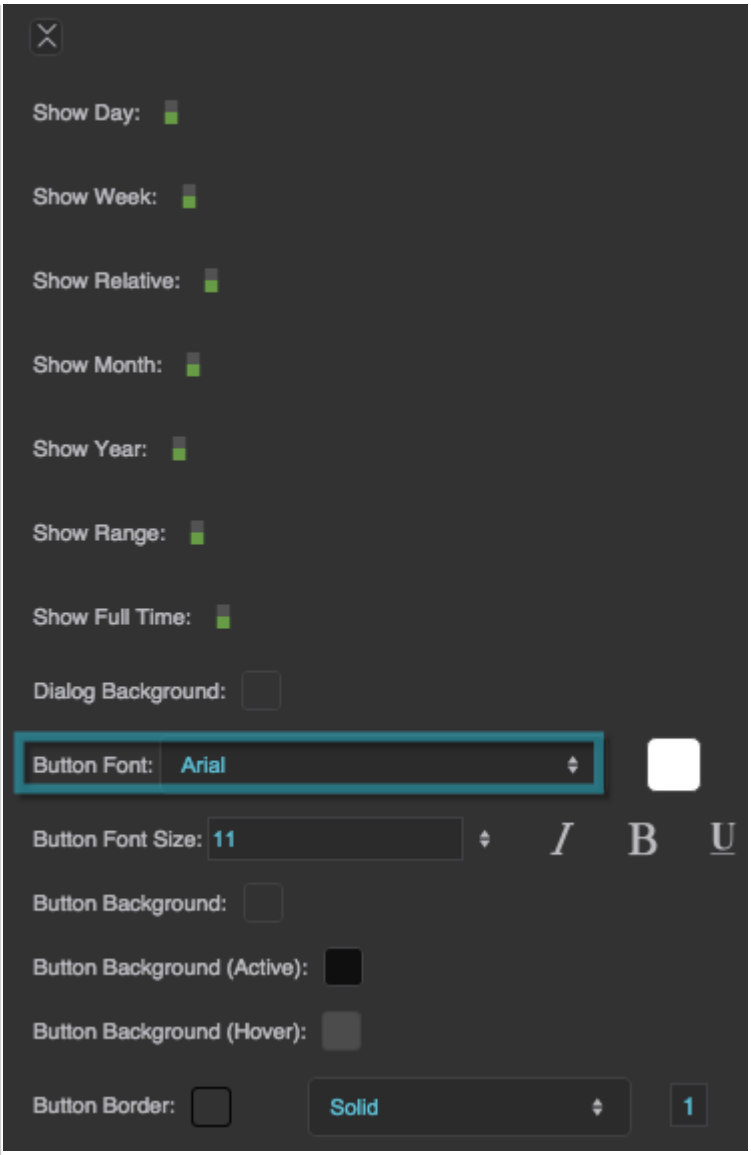
Dialog Background

Defines the fill for the date range picker pop-up dialog. The default is a solid dark gray (#333333).



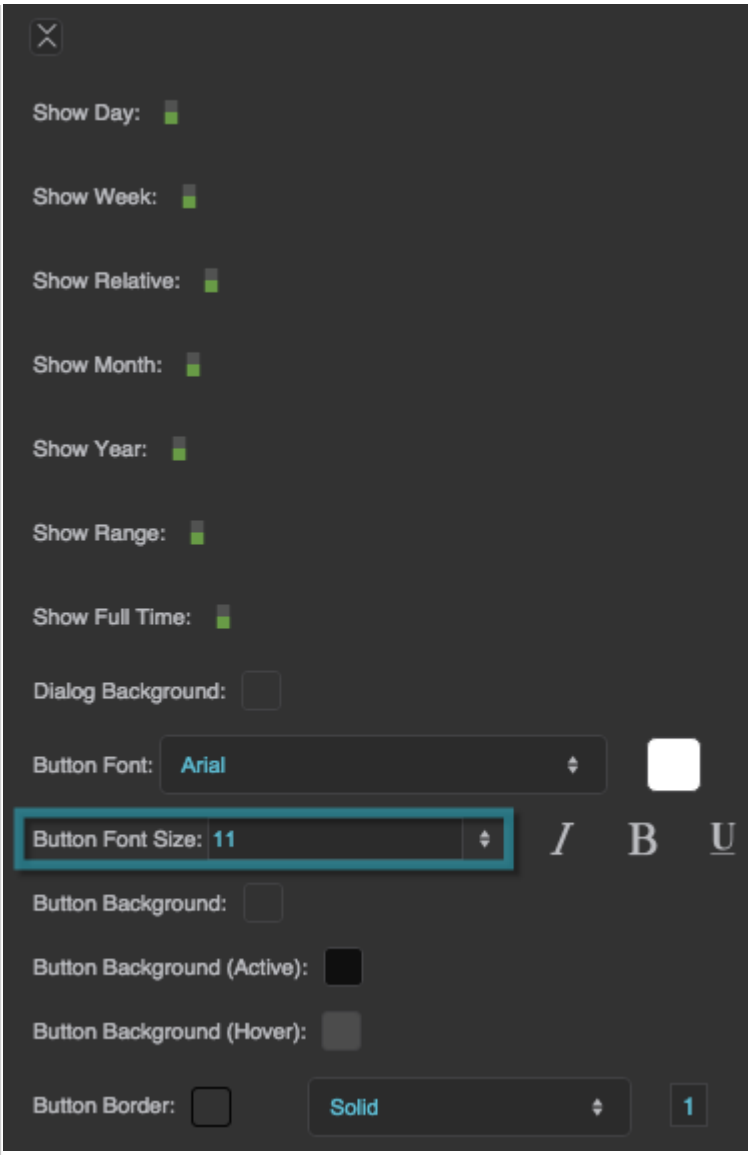
The Dialog Background property

Button Font
Defines the font, font color, italic, bold and underline settings for buttons within this date range picker. To add a font to this project and use it for this property, see Text Component Properties.



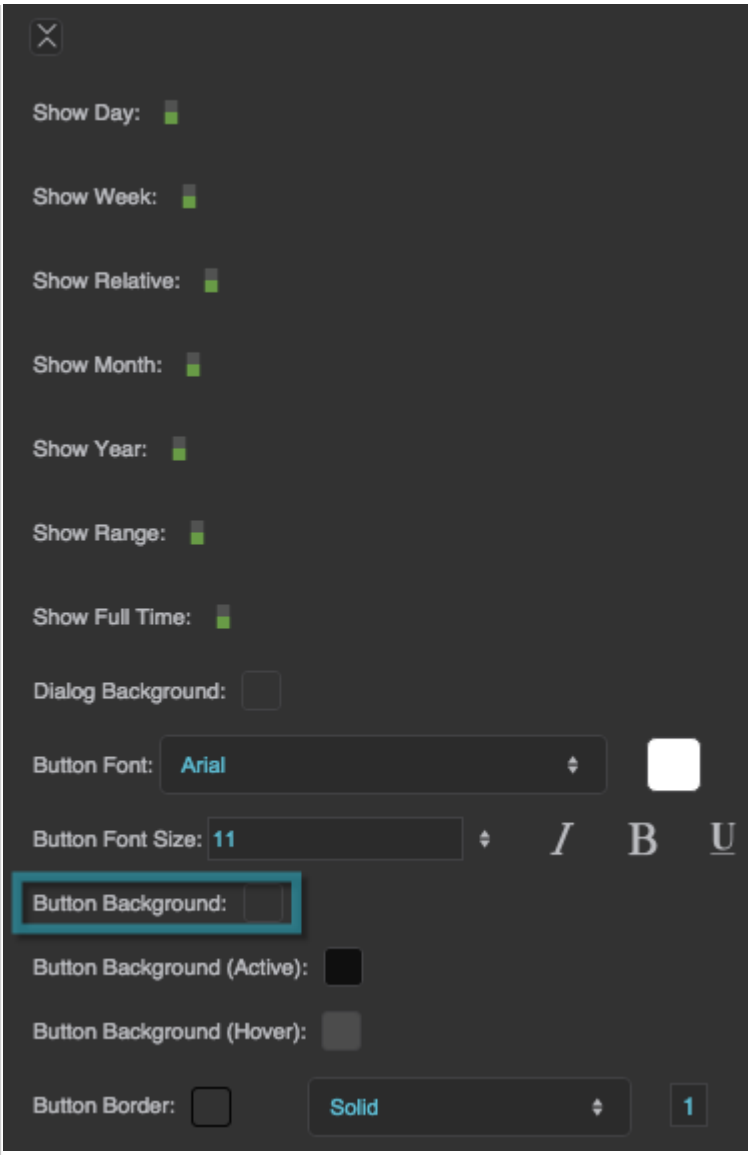
The Button Font property

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



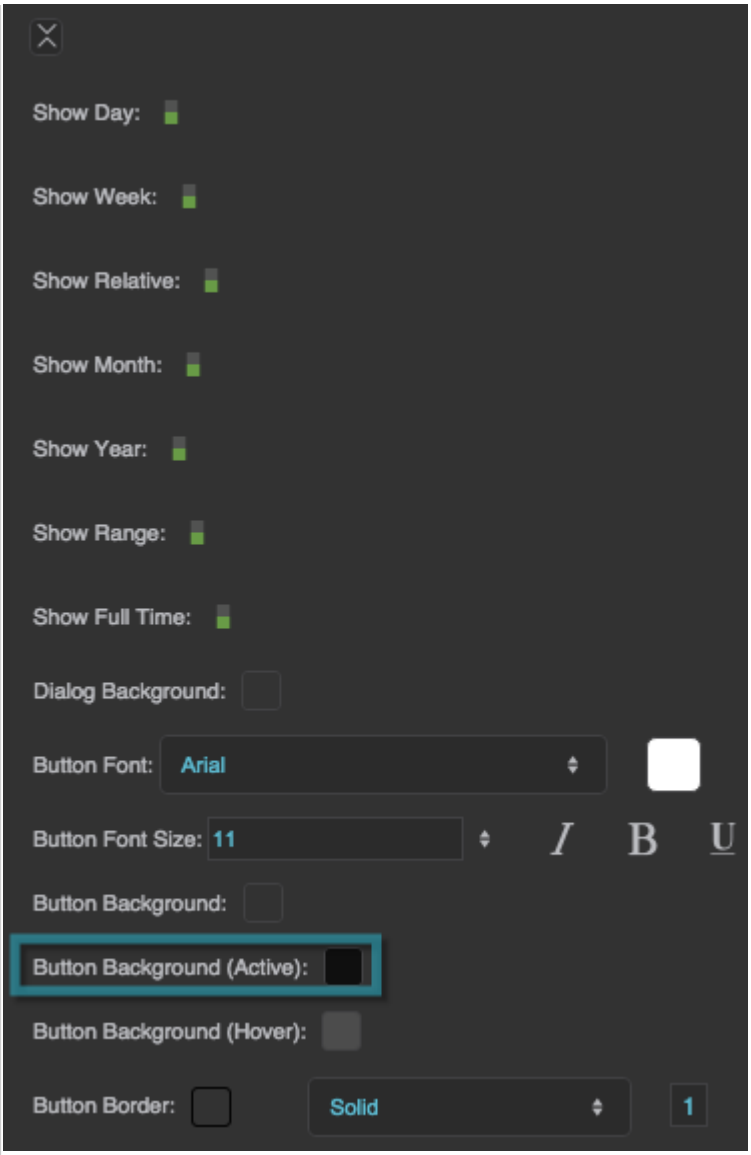
The Button Font Size property

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



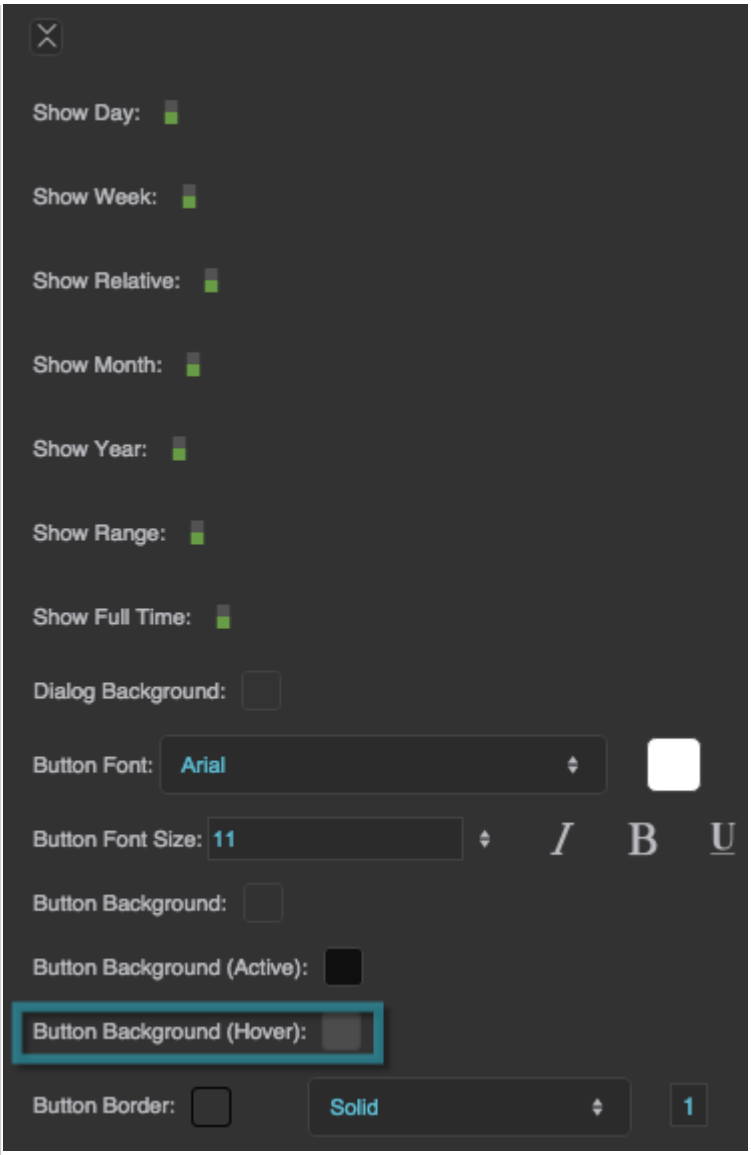
The Button Background property

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



The Button Background (Active) property

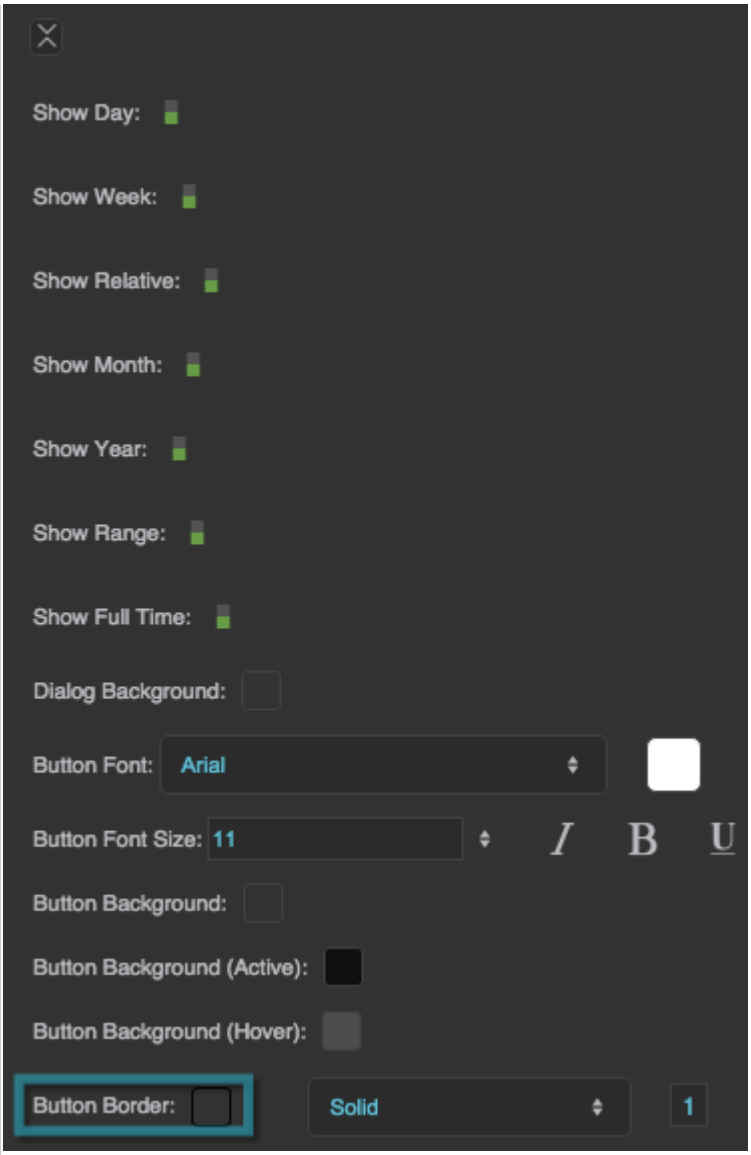
Button Background (Hover)
Defines the fill for moused-over buttons within this date range picker.



The Button Background (Hover) property

Button Border

Defines the border color, border style and border width for all buttons within this date range picker.



The Button Border property

Input Styles
The **Input Font**, **Input Font Size**, **Input Background** and **Input Border** properties (with font color, italic, bold, underline, border style and border width) define the style of the input fields in the pop-up dialog.

Dropdown Styles
The **Dropdown Font**, **Dropdown Font Size**, **Dropdown Background** and **Dropdown Border** properties (with font color, italic, bold, underline, border style and border width) define the style of the drop-down menus in the pop-up dialog.

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Previous: Calendar

Next: Tree

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