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react-calendar

TS

5.0.0 • Public • Published 4 months ago

 Readme

 Code

Beta

 4 Dependencies

 489 Dependents

 87 Versions

npm

v5.0.0

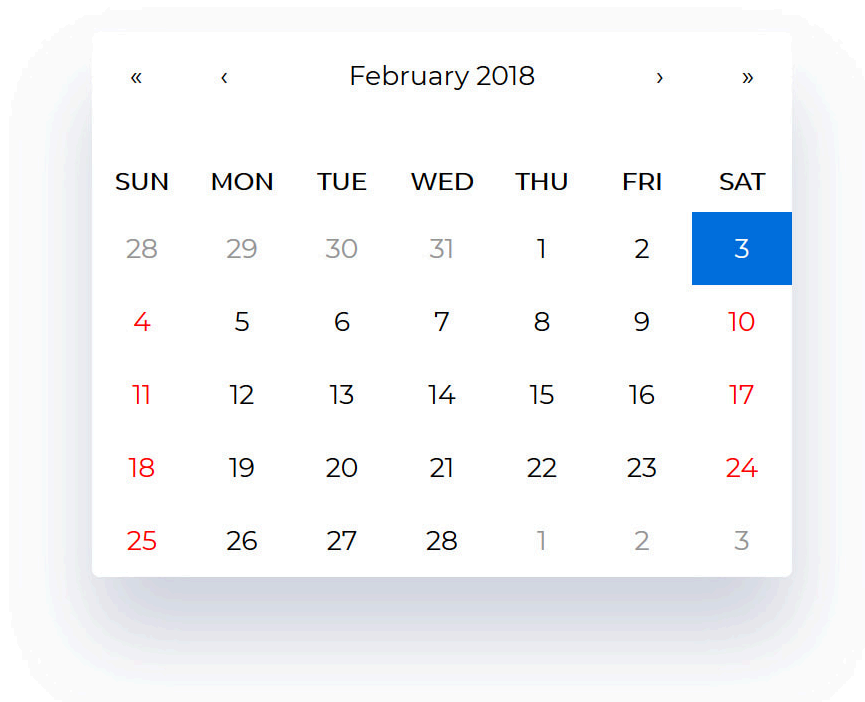
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react-calendar



Ultimate calendar for your React app.

- Pick days, months, years, or even decades
- Supports range selection
- Supports virtually any language
- No moment.js needed

tl;dr

- Install by executing `npm install react-calendar` or `yarn add react-calendar`.
- Import by adding `import Calendar from 'react-calendar'`.
- Use by adding `<Calendar />`. Use `onChange` prop for getting new values.

Demo

A minimal demo page can be found in `sample` directory.

Online demo is also available!

Before you continue

react-calendar is under constant development. This documentation is written for react-calendar 4.x branch. If you want to see documentation for other versions of react-calendar, use dropdown on top of GitHub page to switch to an appropriate tag. Here are quick links to the newest docs from each branch:

- [v3.x](#)
- [v2.x](#)

Getting started

Compatibility

Your project needs to use React 16.8 or later.

react-calendar uses modern web technologies. That's why it's so fast, lightweight and easy to style. This, however, comes at a cost of **supporting only modern browsers**.

Legacy browsers

If you need to support legacy browsers like Internet Explorer 10, you will need to use **Intl.js** or another Intl polyfill along with react-calendar.

My locale isn't supported! What can I do?

If your locale isn't supported, you can use **Intl.js** or another Intl polyfill along with react-calendar.

Installation

Add react-calendar to your project by executing `npm install react-calendar` or `yarn add react-calendar`.

Usage

Here's an example of basic usage:

```
import { useState } from 'react';
import Calendar from 'react-calendar';

type ValuePiece = Date | null;
```

```
type Value = ValuePiece | [ValuePiece, ValuePiece];

function MyApp() {
  const [value, onChange] = useState<Value>(new Date());

  return (
    <div>
      <Calendar onChange={onChange} value={value} />
    </div>
  );
}
```

Check the **sample directory** in this repository for a full working example. For more examples and more advanced use cases, check **Recipes** in **react-calendar Wiki**.

Custom styling

If you want to use default react-calendar styling to build upon it, you can import react-calendar's styles by using:

```
import 'react-calendar/dist/Calendar.css';
```

User guide

Calendar

Displays a complete, interactive calendar.

Props

Prop name	Description	Default value
activeStartDate	The beginning of a period that shall be displayed. If you wish to use react-calendar in an uncontrolled way, use	(today)

Prop name	Description	Default value
	<code>defaultActiveStartDate</code> instead.	
<code>allowPartialRange</code>	Whether to call <code>onChange</code> with only partial result given <code>selectRange</code> prop.	<code>false</code>
<code>calendarType</code>	Type of calendar that should be used. Can be <code>'gregory'</code> , <code>'hebrew'</code> , <code>'islamic'</code> , <code>'iso8601'</code> . Setting to <code>"gregory"</code> or <code>"hebrew"</code> will change the first day of the week to Sunday. Setting to <code>"islamic"</code> will change the first day of the week to Saturday. Setting to <code>"islamic"</code> or <code>"hebrew"</code> will make weekends appear on Friday to Saturday.	Type of calendar most commonly used in a given locale
<code>className</code>	Class name(s) that will be added along with <code>"react-calendar"</code> to the main <code>react-calendar <div></code> element.	n/a
<code>defaultActiveStartDate</code>	The beginning of a period that shall be displayed by default. If you wish to use <code>react-calendar</code> in a controlled way, use <code>activeStartDate</code> instead.	(today)
<code>defaultValue</code>	Calendar value that shall be selected initially. Can be either	n/a

Prop name	Description	Default value
	one value or an array of two values. If you wish to use react-calendar in a controlled way, use <code>value</code> instead.	
<code>defaultView</code>	Determines which calendar view shall be opened initially. Does not disable navigation. Can be "month" , "year" , "decade" or "century" . If you wish to use react-calendar in a controlled way, use <code>view</code> instead.	The most detailed view allowed
<code>formatDay</code>	Function called to override default formatting of day tile labels. Can be used to use your own formatting function.	(default formatter)
<code>formatLongDate</code>	Function called to override default formatting of day tile <code>abbr</code> labels. Can be used to use your own formatting function.	(default formatter)
<code>formatMonth</code>	Function called to override default formatting of month names. Can be used to use your own formatting function.	(default formatter)
<code>formatMonthYear</code>	Function called to override default formatting of months and years. Can be used to use your own formatting function.	(default formatter)

Prop name	Description	Default value
formatShortWeekday	Function called to override default formatting of weekday names (shortened). Can be used to use your own formatting function.	(default formatter)
formatWeekday	Function called to override default formatting of weekday names. Can be used to use your own formatting function.	(default formatter)
formatYear	Function called to override default formatting of year in the top navigation section. Can be used to use your own formatting function.	(default formatter)
goToRangeStartOnSelect	Whether to go to the beginning of the range when selecting the end of the range.	true
inputRef	A prop that behaves like <code>ref</code> , but it's passed to main <code><div></code> rendered by <code><Calendar></code> component.	n/a

Prop name	Description	Default value
locale	Locale that should be used by the calendar. Can be any IETF language tag . Note: When using SSR, setting this prop may help resolving hydration errors caused by locale mismatch between server and client.	Server locale/User's browser settings
maxDate	Maximum date that the user can select. Periods partially overlapped by maxDate will also be selectable, although react-calendar will ensure that no later date is selected.	n/a
maxDetail	The most detailed view that the user shall see. View defined here also becomes the one on which clicking an item will select a date and pass it to onChange. Can be "month" , "year" , "decade" or "century" .	"month"
minDate	Minimum date that the user can select. Periods partially overlapped by minDate will also be selectable, although react-calendar will ensure that no earlier date is selected.	n/a
minDetail	The least detailed view that the user shall see. Can be "month" , "year" , "decade" or "century" .	"century"

Prop name	Description	Default value
navigationAriaLabel	<code>aria-label</code> attribute of a label rendered on calendar navigation bar.	n/a
navigationAriaLive	<code>aria-live</code> attribute of a label rendered on calendar navigation bar.	undefined
navigationLabel	Content of a label rendered on calendar navigation bar.	(default label)
next2AriaLabel	<code>aria-label</code> attribute of the "next on higher level" button on the navigation pane.	n/a
next2Label	Content of the "next on higher level" button on the navigation pane. Setting the value explicitly to null will hide the icon.	"»"
nextAriaLabel	<code>aria-label</code> attribute of the "next" button on the navigation pane.	n/a
nextLabel	Content of the "next" button on the navigation pane. Setting the value explicitly to null will hide the icon.	">"
onActiveStartDateChange	Function called when the user navigates from one view to another using previous/next button. Note that this function will not be called when e.g.	n/a

Prop name	Description	Default value
	<p>drilling up from January 2021 to 2021 or drilling down the other way around.</p> <p><code>action</code> signifies the reason for active start date change and can be one of the following values:</p> <p><code>"prev"</code> , <code>"prev2"</code> , <code>"next"</code> , <code>"next2"</code> , <code>"drillUp"</code> , <code>"drillDown"</code> , <code>"onChange"</code> .</p>	
<code>onChange</code>	Function called when the user clicks an item (day on month view, month on year view and so on) on the most detailed view available.	n/a
<code>onClickDay</code>	Function called when the user clicks a day.	n/a
<code>onClickDecade</code>	Function called when the user clicks a decade.	n/a
<code>onClickMonth</code>	Function called when the user clicks a month.	n/a
<code>onClickWeekNumber</code>	Function called when the user clicks a week number.	n/a
<code>onClickYear</code>	Function called when the user clicks a year.	n/a

Prop name	Description	Default value
onDrillDown	Function called when the user drills down by clicking a tile.	n/a
onDrillUp	Function called when the user drills up by clicking drill up button.	n/a
onViewChange	Function called when the user navigates from one view to another using drill up button or by clicking a tile. action signifies the reason for view change and can be one of the following values: "prev", "prev2", "next", "next2", "drillUp", "drillDown", "onChange".	n/a
prev2AriaLabel	aria-label attribute of the "previous on higher level" button on the navigation pane.	n/a
prev2Label	Content of the "previous on higher level" button on the navigation pane. Setting the value explicitly to null will hide the icon.	"«"
prevAriaLabel	aria-label attribute of the "previous" button on the navigation pane.	n/a

Prop name	Description	Default value
prevLabel	Content of the "previous" button on the navigation pane. Setting the value explicitly to null will hide the icon.	" < "
returnValue	Which dates shall be passed by the calendar to the onChange function and onClick{Period} functions. Can be "start" , "end" or "range" .The latter will cause an array with start and end values to be passed.	"start"
selectRange	Whether the user shall select two dates forming a range instead of just one. Note: This feature will make react-calendar return array with two dates regardless of returnValue setting.	false
showDoubleView	Whether to show two months/years/... at a time instead of one. Defaults showFixedNumberOfWeeks prop to be true .	false
showFixedNumberOfWeeks	Whether to always show fixed number of weeks (6). Forces showNeighboringMonth prop to be true .	false

Prop name	Description	Default value
showNavigation	Whether a navigation bar with arrows and title shall be rendered.	true
showNeighboringCentury	Whether decades from next century shall be rendered to fill the entire last row in.	false
showNeighboringDecade	Whether years from next decade shall be rendered to fill the entire last row in.	false
showNeighboringMonth	Whether days from previous or next month shall be rendered if the month doesn't start on the first day of the week or doesn't end on the last day of the week, respectively.	true
showWeekNumbers	Whether week numbers shall be shown at the left of MonthView or not.	false
tileClassName	Class name(s) that will be applied to a given calendar item (day on month view, month on year view and so on).	n/a
tileContent	Allows to render custom content within a given calendar item	n/a

Prop name	Description	Default value
	(day on month view, month on year view and so on).	
tileDisabled	Pass a function to determine if a certain day should be displayed as disabled.	n/a
value	Calendar value. Can be either one value or an array of two values. If you wish to use react-calendar in an uncontrolled way, use <code>defaultValue</code> instead.	n/a
view	Determines which calendar view shall be opened. Does not disable navigation. Can be "month" , "year" , "decade" or "century" . If you wish to use react-calendar in an uncontrolled way, use <code>defaultView</code> instead.	The most detailed view allowed

MonthView, YearView, DecadeView, CenturyView

Displays a given month, year, decade and a century, respectively.

Props

Prop name	Description	Default value	Example values
activeStartDate	The beginning of a period that shall be displayed.	n/a	<code>new Date(2017, 0, 1)</code>
hover	The date over which the user is hovering. Used only when <code>selectRange</code> is enabled, to render a “WIP” range when the user is selecting range.	n/a	<code>new Date(2017, 0, 1)</code>
maxDate	Maximum date that the user can select. Periods partially overlapped by <code>maxDate</code> will also be selectable, although <code>react-calendar</code> will ensure that no later date is selected.	n/a	Date: <code>new Date()</code>
minDate	Minimum date that the user can select. Periods partially overlapped by <code>minDate</code> will also be selectable, although <code>react-calendar</code> will ensure that no earlier date is selected.	n/a	Date: <code>new Date()</code>

Prop name	Description	Default value	Example values
onClick	Function called when the user clicks an item (day on month view, month on year view and so on).	n/a	<code>(value) => alert('New date is: ', value)</code>
tileClassName	Class name(s) that will be applied to a given calendar item (day on month view, month on year view and so on).	n/a	<ul style="list-style-type: none"> String: <code>"class1 class2"</code> Array of strings: <code>["class1", "class2 class3"]</code> Function: <code>({ date, view }) => view === 'month' && date.getDay() === 3 ? 'wednesday' : null</code>
tileContent	Allows to render custom content within a given item (day on month view, month on year view and so on). Note: For tiles with custom content you might want to set fixed height of <code>react-calendar__tile</code> to	n/a	<code>({ date, view }) => view === 'month' && date.getDay() === 0 ? <p>It's Sunday!</p> : null</code>

Prop name	Description	Default value	Example values
	ensure consistent layout.		
value	Calendar value. Can be either one value or an array of two values.	n/a	<ul style="list-style-type: none">• Date: <code>new Date()</code>• An array of dates: [<code>new Date(2017, 0, 1)</code>, <code>new Date(2017, 7, 1)</code>]• String: <code>2017-01-01</code>• An array of strings: [<code>'2017-01-01'</code>, <code>'2017-08-01'</code>]

Useful links

- [react-calendar Wiki](#)

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Author



Wojciech Maj

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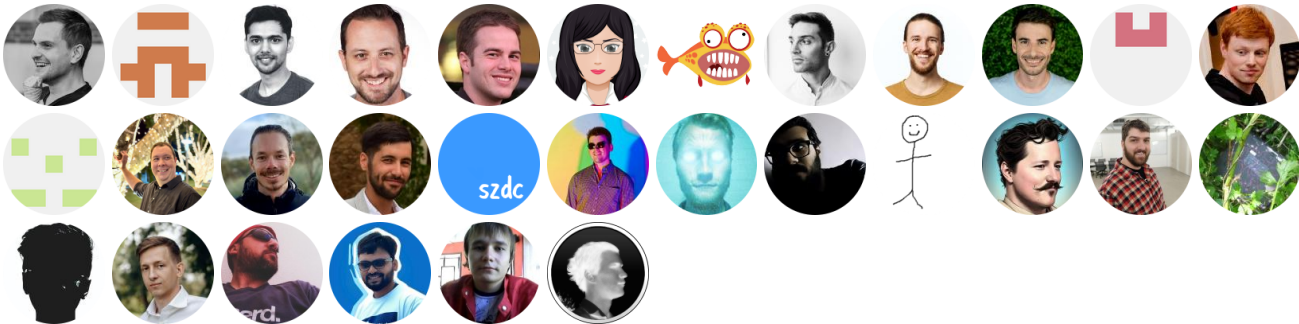
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Thank you to all our contributors that helped on this project!



Keywords

calendar date date-picker month-picker react

Provenance

Built and signed on

 **GitHub Actions**

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Source Commit

github.com/wojtekmaj/react-calendar@f12d8a8

Build File

[.github/workflows/publish.yml](https://github.com/wojtekmaj/react-calendar/blob/main/.github/workflows/publish.yml)

Public Ledger

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> npm i react-calendar

Repository

 github.com/wojtekmaj/react-calendar

Homepage


 github.com/wojtekmaj/react-calendar#readme

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546,515



Version	License
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14	20

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