

To select or input a date.

## When To Use

By clicking the input box, you can select a date from a popup calendar.

## API

There are five kinds of picker:

- DatePicker
- DatePicker[picker="month"]
- DatePicker[picker="week"]
- DatePicker[picker="year"]
- DatePicker[picker="quarter"] (Added in 4.1.0)
- RangePicker

### Localization

The default locale is en-US, if you need to use other languages, recommend to use internationalized components provided by us at the entrance. Look at: [ConfigProvider](#).

If there are special needs (only modifying single component language), Please use the property: locale. Example: [default](#).

```
import 'moment/locale/zh-cn';
import locale from 'antd/es/date-picker/locale/zh_CN';

<DatePicker locale={locale} />;
```

```
// The default locale is en-US, if you want to use other locale, just set locale in
entry file globally.
import moment from 'moment';
import 'moment/locale/zh-cn';
import locale from 'antd/lib/locale/zh_CN';

<ConfigProvider locale={locale}>
  <DatePicker defaultValue={moment('2015-01-01', 'YYYY-MM-DD')} />
</ConfigProvider>;
```

### Common API

The following APIs are shared by DatePicker, RangePicker.

Property	Description	Type	Default	Version
allowClear	Whether to show clear button	boolean	true	
autoFocus	If get focus when component mounted	boolean	false	

bordered	Whether has border style	boolean	true	
className	The picker className	string	-	
dateRender	Custom rendering function for date cells	function(currentDate: moment, today: moment) => React.ReactNode	-	
disabled	Determine whether the DatePicker is disabled	boolean	false	
disabledDate	Specify the date that cannot be selected	(currentDate: moment) => boolean	-	
dropdownClassName	To customize the className of the popup calendar	string	-	
getPopupContainer	To set the container of the floating layer, while the default is to create a <code>div</code> element in <code>body</code>	function(trigger)	-	
inputReadOnly	Set the <code>readonly</code> attribute of the input tag (avoids virtual keyboard on touch devices)	boolean	false	
locale	Localization configuration	object	<a href="#">default</a>	
mode	The picker panel mode ( <a href="#">Cannot select year or month anymore?</a> )	time   date   month   year   decade	-	
nextIcon	The custom next icon	ReactNode	-	4.17.0
open	The open state of picker	boolean	-	
panelRender	Customize panel render	(panelNode) => ReactNode	-	4.5.0
picker	Set picker type	date   week   month   quarter   year	date	quarter: 4.1.0
placeholder	The placeholder of date input	string   [string,string]	-	
placement	The position where the selection box pops up	bottomLeft bottomRight topLeft topRight	bottomLeft	
popupStyle	To customize the style of the popup calendar	CSSProperties	{}	
prevIcon	The custom prev icon	ReactNode	-	4.17.0
size	To determine the size of the input box, the height of <code>large</code> and <code>small</code> , are 40px	large   middle   small	-	

	and 24px respectively, while default size is 32px			
status	Set validation status	'error'   'warning'	-	4.19.0
style	To customize the style of the input box	CSSProperties	{}	
suffixIcon	The custom suffix icon	ReactNode	-	
superNextIcon	The custom super next icon	ReactNode	-	4.17.0
superPrevIcon	The custom super prev icon	ReactNode	-	4.17.0
onOpenChange	Callback function, can be executed whether the popup calendar is popped up or closed	function(open)	-	
onPanelChange	Callback when picker panel mode is changed	function(value, mode)	-	

### Common Methods

Name	Description	Version
blur()	Remove focus	
focus()	Get focus	

### DatePicker

Property	Description	Type	Default	Version
defaultPickerValue	To set default picker date	<a href="#">moment</a>	-	
defaultValue	To set default date, if start time or end time is null or undefined, the date range will be an open interval	<a href="#">moment</a>	-	
disabledTime	To specify the time that cannot be selected	function(date)	-	
format	To set the date format, refer to <a href="#">moment.js</a> . When an array is provided, all values are used for parsing and first value is used for formatting, support <a href="#">Custom Format</a>	string   (value: moment) => string   (string   (value: moment) => string)[]	YYYY-MM-DD	
renderExtraFooter	Render extra footer in panel	(mode) => React.ReactNode	-	
showNow	Whether to show 'Now' button on panel when <code>showTime</code> is set	boolean	-	4.4.0

showTime	To provide an additional time selection	object   boolean	<a href="#">TimePicker Options</a>	
showTime.defaultValue	To set default time of selected date, <a href="#">demo</a>	<a href="#">moment</a>	moment()	
showToday	Whether to show <code>Today</code> button	boolean	true	
value	To set date	<a href="#">moment</a>	-	
onChange	Callback function, can be executed when the selected time is changing	function(date: moment, dateString: string)	-	
onOk	Callback when click ok button	function()	-	
onPanelChange	Callback function for panel changing	function(value, mode)	-	

### DatePicker[picker=year]

Property	Description	Type	Default	Version
defaultPickerValue	To set default picker date	<a href="#">moment</a>	-	
defaultValue	To set default date	<a href="#">moment</a>	-	
format	To set the date format, refer to <a href="#">moment.js</a>	string	YYYY	
renderExtraFooter	Render extra footer in panel	() => React.ReactNode	-	
value	To set date	<a href="#">moment</a>	-	
onChange	Callback function, can be executed when the selected time is changing	function(date: moment, dateString: string)	-	

### DatePicker[picker=quarter]

Added in `4.1.0`.

Property	Description	Type	Default	Version
defaultPickerValue	To set default picker date	<a href="#">moment</a>	-	
defaultValue	To set default date	<a href="#">moment</a>	-	
format	To set the date format, refer to <a href="#">moment.js</a>	string	YYYY- \QQ	
renderExtraFooter	Render extra footer in panel	() => React.ReactNode	-	
value	To set date	<a href="#">moment</a>	-	
onChange	Callback function, can be executed when the selected time is changing	function(date: moment, dateString: string)	-	

### DatePicker[picker=month]

Property	Description	Type	Default	Version
defaultPickerValue	To set default picker date	<a href="#">moment</a>	-	
defaultValue	To set default date	<a href="#">moment</a>	-	
format	To set the date format, refer to <a href="#">moment.js</a>	string	YYYY-MM	
monthCellRender	Custom month cell content render method	function(date, locale): ReactNode	-	
renderExtraFooter	Render extra footer in panel	() => React.ReactNode	-	
value	To set date	<a href="#">moment</a>	-	
onChange	Callback function, can be executed when the selected time is changing	function(date: moment, dateString: string)	-	

### DatePicker[picker=week]

Property	Description	Type	Default	Version
defaultPickerValue	To set default picker date	<a href="#">moment</a>	-	
defaultValue	To set default date	<a href="#">moment</a>	-	
format	To set the date format, refer to <a href="#">moment.js</a>	string	YYYY-WO	
renderExtraFooter	Render extra footer in panel	(mode) => React.ReactNode	-	
value	To set date	<a href="#">moment</a>	-	
onChange	Callback function, can be executed when the selected time is changing	function(date: moment, dateString: string)	-	

### RangePicker

Property	Description	Type	Default	Version
allowEmpty	Allow start or end input leave empty	[boolean, boolean]	[false, false]	
dateRender	Customize date cell. <code>info</code> argument is added in 4.3.0	function(currentDate: moment, today: moment, info: { range: start   end }) => React.ReactNode	-	

defaultPickerValue	To set default picker date	<a href="#">[moment, moment]</a>	-	
defaultValue	To set default date	<a href="#">[moment, moment]</a>	-	
disabled	If disable start or end	[boolean, boolean]	-	
disabledTime	To specify the time that cannot be selected	function(date: moment, partial: start   end)	-	
format	To set the date format, refer to <a href="#">moment.js</a> . When an array is provided, all values are used for parsing and first value is used for formatting	string   string[]	YYYY-MM-DD HH:mm:ss	
ranges	The presetted ranges for quick selection	{ [range: string]: <a href="#">moment[]</a> }   { [range: string]: () => <a href="#">moment[]</a> }	-	
renderExtraFooter	Render extra footer in panel	() => React.ReactNode	-	
separator	Set separator between inputs	React.ReactNode	<SwapRightOutlined />	
showTime	To provide an additional time selection	object   boolean	<a href="#">TimePicker Options</a>	
showTime.defaultValue	To set default time of selected date, <a href="#">demo</a>	<a href="#">moment[]</a>	[moment(), moment()]	
value	To set date	<a href="#">[moment, moment]</a>	-	
onCalendarChange	Callback function, can be executed when the start time or the end time of the range is changing. <code>info</code> argument is added in 4.4.0	function(dates: [moment, moment], dateStrings: [string, string], info: { range: start end })	-	
onChange	Callback function, can be executed	function(dates: [moment, moment],	-	

	when the selected time is changing	dateStrings: [string, string])		
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## FAQ

### When set mode to DatePicker/RangePicker, cannot select year or month anymore?

Please refer [FAQ](#)

### How to use DatePicker with customize date library like dayjs?

Please refer [replace moment](#)

### Why config moment.locale globally not work?

DatePicker default set `locale` as `en` in v4. You can config DatePicker `locale` prop or [ConfigProvider](#) `locale` prop instead.

### How to modify start day of week?

Please use correct [language \(#5605\)](#), or update moment `locale` config:

- Example: <https://codesandbox.io/s/moment-day-of-week-6dbv5>
- Alternate example: <https://stackblitz.com/edit/react-9aegkj>

### Why origin panel don't switch when using `panelRender` ?

When you change the layout of nodes by `panelRender`, React will unmount and re-mount it which reset the component state. You should keep the layout stable. Please ref [#27263](#) for more info.

```
moment.locale('en', {
  week: {
    dow: 1,
  },
});
```