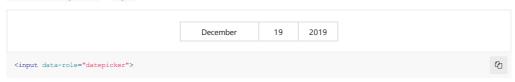# Date picker

Use a date picker to let a user pick a single date value.

About

The date picker gives you a standardized way to let users pick a date value. To create picker you must add role with attribute `data-role="datepicker"` to `input` element.

December	19	2019

```
<input data-role="datepicker">
```

Picker parts

The picker consists of three parts: `month` , `day` and `year` . With attributes `data-month`, `data-day` and `data-year` you can on/off each part. For disabled parts, the picker will get value from current system date.

December		December	2019		December	19

```
<input data-role="datepicker" data-day="false" data-year="false">
<input data-role="datepicker" data-day="false">
<input data-role="datepicker" data-year="false">
```

Locale

You can set `locale` for picker with attribute data-locale.

Грудень	19	2019	Dezember	19	2019	December	19	2019

```
<input data-role="datepicker" data-locale="uk-UA">
```

You can change `locale` at runtime. Metro 4 monitors the data-locale attribute change and redraws the component when the attribute value changes.

en-US	uk-UA	de-DE

December	19	2019

Min & max years

You can set min and max years for picker. To set min and max years use attributes `data-min-year` and `data-max-year` .

December	19	2019

```
<input data-role="datepicker"  data-min-year="2014" data-max-year="2020">
```

Picker value

By default picker get current date from system for init value. But you can set init date with attribute `data-value` . Also you can change attribute `data-value` at runtime to change real value for component. To get value you can read `input` `value` attribute or use special `component methods`. To format output value for input, you can use attribute `data-format` . More about date format you can read from this article.

> Important! Value for attribute `data-value` must be a valid javascript datetime string. Read about valid date format this and this.

December	21	1972	December	25	1995	February	1	2018

```
<input data-role="datepicker" data-value="1972-12-21">
<input data-role="datepicker" data-value="Mon, 25 Dec 1995">
<input data-role="datepicker" data-value="2018-02">
```

You can change `format` at runtime. Metro 4 monitors the `data-format` attribute change and change element value when the attribute changes.
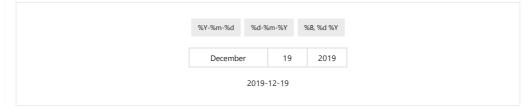
%Y-%m-%d	%d-%m-%Y	%B, %d %Y

December	19	2019

2019-12-19

Events

When picker works, it generated a number of events. You can use callbacks to these events to interact with it.

Events	Data-*	Desc
`onSet(val, elem_val, elem, picker)`	`data-on-set`	Fired when value sets to picker
`onOpen(val, elem, picker)`	`data-on-open`	Fired when picker is open
`onClose(val, elem, picker)`	`data-on-close`	Fired when picker is close
`onScroll(target, list, picker)`	`data-on-scroll`	Fired when picker is scroll
`onTimePickerCreate(elem, picker)`	`data-on-time-picker-create`	Fired when picker was created

```
html:

<input data-role="datepicker" data-on-set="console.log(arguments)">
<input data-role="datepicker" data-on-set="myLib.date.set">

javascript:

var myLib = {
    date: {
        set: function(val){
            console.log(val);
        }
    }
}
```

Methods

To interact with component you can use picker methods.

Method	Desc
`open()`	Use this method to open picker scroller
`close()`	Use this method to close picker scroller
`val()`	Use this method to get picker value as string
`val(t)`	Use this method to set picker value from string
`date()`	Use this method to get picker value as datetime object
`date(t)`	Use this method to set picker value from datetime object

Customize

You can use attribute `data-distance` to set scroller size.

December	19	2019	December	19	2019	December	19	2019

```
<input data-role="datepicker" data-distance="1">
<input data-role="datepicker" data-distance="2">
<input data-role="datepicker" data-distance="3">
```

Also you can use attributes `data-cls-picker`, `data-cls-part`, `data-cls-month`, `data-cls-day`, `data-cls-year` to set additional styles to picker. Values for these attributes must be **valid css class**.

December	19	2019