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# 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

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## Events

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

Events	Data-*	Desc
<code>onSet(val, elem_val, elem, picker)</code>	<code>data-on-set</code>	Fired when value sets to picker
<code>onOpen(val, elem, picker)</code>	<code>data-on-open</code>	Fired when picker is open
<code>onClose(val, elem, picker)</code>	<code>data-on-close</code>	Fired when picker is close
<code>onScroll(target, list, picker)</code>	<code>data-on-scroll</code>	Fired when picker is scroll
<code>onTimePickerCreate(elem, picker)</code>	<code>data-on-time-picker-create</code>	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
<code>open()</code>	Use this method to open picker scroller
<code>close()</code>	Use this method to close picker scroller
<code>val()</code>	Use this method to get picker value as string
<code>val(t)</code>	Use this method to set picker value from string
<code>date()</code>	Use this method to get picker value as datetime object
<code>date(t)</code>	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**.

