

## Simple Use Case: YAHOO.widget.Calendar

### Markup:

```
<div id="container"></div>
```

### Script:

```
var myCal = new YAHOO.widget.Calendar("calEl",
    "container");
myCal.render();
```

Creates a 1-up Calendar instance set to the current month.

## Constructor: YAHOO.widget.Calendar, Calendar2up

```
YAHOO.widget.Calendar(str newElID, str containerID,
    [str monthYear, str selectedDates]);
```

### Arguments:

- (1) **New element ID:** HTML ID for a new element created by the control to house the Calendar's DOM structure.
- (2) **Container element ID:** HTML ID for an existing but empty HTML element into which the new Calendar will be inserted.
- (3) **Month/year:** The month to display upon rendering ("MM/YYYY").
- (4) **Selected dates:** Dates to be pre-selected. Dates and date ranges can be comma-separated in this string argument (e.g. "MM/DD, MM/DD-MM/DD,MM/DD/YYYY"). Omit spaces.

## Solutions

Render a **1-up calendar** set displaying January 2008, with **Spanish weekdays and monthnames**:

```
myCal = new YAHOO.widget.Calendar("myCalEl",
    "container", "12/2008");
myCal.customConfig = function() {
    this.Config.Locale.MONTHS_LONG = ["Jenero",
        "Febrero", ... , "Diciembre"];
    this.Config.Locale.WEEKDAYS_SHORT = ["Lu", "Ma",
        "Mi", "Ju", "Vi", "Sa", "Do"];
}
myCal.setupConfig();
myCal.render();
```

**Add renderer for Mexican holidays** using a preexisting CSS class named `calHolidays`:

```
var renderHolidays = function(workingDate, cell) {
    YAHOO.util.Dom.addClass(cell, "calHolidays");
}
myCal.addRenderer("1/1,1/6,2/5,2/14,2/24,3/5,3/21,4/
    2/2007-4/8/2007,5/1,5/5,5/10,5/18 ...",
    renderHolidays);
myCal.render();
```

## Key Interesting Moments in Calendar, Calendar2up

No arguments are passed to Calendar event methods.

| Event            | Fires...  |
|------------------|---|
| onBeforeDeselect | ...when a date is deselected, before processing the change. |
| onBeforeSelect   | ...when a date is selected, before processing the change.   |
| onChangePage     | ...when the Calendar navigates to a new month.              |
| onClear          | ...when the Calendar is cleared.                            |
| onDeselect       | ...after a date is deselected.                              |
| onRender         | ...when the Calendar is rendered.                           |
| onReset          | ...when the Calendar is reset.                              |
| onSelect         | ...after a date is selected.                                |

When using YAHOO.widget.Calendar, event methods can be accessed on the instance: `myCal.onSelect = myFn`. When using Calendar2up, event methods are set using the `setChildFunction` method: `myCal.setChildFunction("onSelect", myFn)`.

## Calendar Options

Configure options before rendering, or call `setupConfig()` and re-render; see docs for use with Calendar2up.

Calendar objects include an Options member which is configurable: `myCal.Options.MULTI_SELECT = true`; key properties include:

|               |                  |                                  |
|---------------|------------------|----------------------------------|
| SHOW_WEEKDAYS | SHOW_WEEK_HEADER | MULTI_SELECT<br>HIDE_BLANK_WEEKS |
|---------------|------------------|----------------------------------|

## Localizing Calendar See docs for use with Calendar2up.

Calendar objects include a Locale member which is configurable for internationalization; Locale's key properties include:

|                             |                                  |                                  |
|-----------------------------|----------------------------------|----------------------------------|
| MONTHS_SHORT<br>MONTHS_LONG | WEEKDAYS_1CHAR<br>WEEKDAYS_SHORT | WEEKDAYS_MEDIUM<br>WEEKDAYS_LONG |
|-----------------------------|----------------------------------|----------------------------------|

Applying Locale properties requires overriding the `customConfig` method (on your instance or in the prototype):

```
myCal = new YAHOO.widget.Calendar("calEl",
    "container");
myCal.customConfig = function() {
    this.Config.Locale.MONTHS_SHORT =
        ["Jan", "Feb", "Mär", "Apr", "Mai", "Jun", "Jul",
            "Aug", "Sep", "Okt", "Nov", "Dez"];
}
myCal.setupConfig();
myCal.render();
```

## Dependencies

Calendar requires the YAHOO object, Event, and Dom.

## YAHOO.widget.Calendar & Calendar\_Core: Properties

**minDate** (d)  
**maxDate** (d)  
**pageDate** (d) current month year; read-only

## YAHOO.widget.Calendar & Calendar\_Core: Methods

**addMonthRenderer**(int *month*, fn *renderer*)  
**addMonths**(int) navigates to current month + int months  
**addRenderer**(s *dates*, fn *renderer*)  
**addWeekdayRenderer**(int *wkd*, fn *renderer*)  
**addYears**(int) navigates int years forward  
**clear**() removes all selected dates  
**getSelectedDates**() returns an array of JS date objects  
**nextMonth**()  
**nextYear**()  
**previousMonth**()  
**previousYear**()  
**render**() renders cal. to page  
**reset**() resets to original state  
**select**(str *date*)  
**setMonth**(int)  
**setupConfig**() initializes configuration options; always do this after changing config, then (re)render  
**setYear**(int)  
**subtractMonths**(int)  
**subtractYears**(int)

## YAHOO.widget.Calendar2up & CalendarGroup

Calendar2up shares many of the navigation methods of Calendar. Its key additional methods are these:

**setChildFunction**(str *fn name*, fn *function*) use this to set event methods with Calendar2up  
**callChildFunction**(str *fn name*) use this to call Calendar methods from a Calendar2up instance