

Y! YUI Library: Calendar and CalendarGroup

2006-11-12b **v0.12**

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, CalendarGroup

```
YAHOO.widget.Calendar(str newElID, str containerID,
    [obj config]);
```

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) **Configuration object:** The configuration object that contains the Calendar's settings

Solutions

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

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

Add highlighting for Mexican holidays using CSS styles:

```
<style>
.m1 .d1, .m1 .d6, .m2 .d5, .m2 .d14, .m2 .d24
{ background-color:yellow; }
</style>
```

There are two ways to **configure options on your Calendar**:

```
// 1. In the constructor, via an object literal:
var myCal = new YAHOO.widget.Calendar("myPanel", {
    pagedate: "5/2007" });
// 2. Via "setProperty" after rendering:
myCal.cfg.setProperty("pagedate", "5/2007");
```

Interesting Moments in Calendar, CalendarGroup

| Event | Fires... | Arguments: |
|---|---|---|
| selectEvent | ...after a date is selected. | Array of date fields selected by the current action (e.g., [[2008,8,1],[2008,8,2]]) |
| beforeSelectEvent | ...when a date is selected, before processing change. | none |
| changePageEvent | ...when the Calendar navigates to a new month. | none |
| clearEvent | ...when the Calendar is cleared. | none |
| deselectEvent | ...after a date is deselected. | Array of date fields deselected by the current action (e.g., [[2008,8,1],[2008,8,2]]) |
| All Calendar events are Custom Events (see Event Utility docs); subscribe to these events using their subscribe method: myCal.selectEvent.subscribe(fnMyHandler);. | | |

Calendar Options

Configure options using the constructor or *setProperty*, as described in the "Solutions" section.

Calendar objects include several configurable options, including:

| | | |
|-----------------------------------|--|--------------|
| SHOW_WEEKDAYS HIDE_BLANK_WEEKS | SHOW_WEEK_HEADER pages (CalendarGroup only) | MULTI_SELECT |
|-----------------------------------|--|--------------|

Localizing Calendar and CalendarGroup

Calendar objects include localization options, including:

| | | |
|--|---|----------------------------------|
| MONTHS_SHORT MONTHS_LONG LOCALE_MONTHS | WEEKDAYS_1CHAR WEEKDAYS_SHORT LOCALE_WEEKDAYS | WEEKDAYS_MEDIUM WEEKDAYS_LONG |
|--|---|----------------------------------|

Applying localization properties requires the same syntax as do all properties in a Calendar's *cfg* object:

```
myCal = new YAHOO.widget.Calendar("calEl",
    "container");
myCal.cfg.setProperty("MONTHS_SHORT",
    ["Jan", "Feb", "Mär", "Apr", "Mai", "Jun", "Jul",
     "Aug", "Sep", "Okt", "Nov", "Dez"] );
myCal.cfg.setProperty("LOCALE_MONTHS", "short");
myCal.render();
```

Dependencies

Calendar requires the YAHOO Object, Event, and Dom.

YAHOO.widget.Calendar,
CalendarGroup: Properties

id (str)

cfg (Config) the Calendar's
configuration object

oDomContainer (el) the
Calendar's outer container element

YAHOO.widget.Calendar &
CalendarGroup: Methods

addMonthRenderer(int
month, fn renderer)

addMonths(int) navigates to
current month + int months

addRenderer(s dates, fn
renderer)

addWeekdayRenderer
(int wk, 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)

setYear(int)

subtractMonths(int)

subtractYears(int)