

jQuery and YUI : A Comparison





- Low Level Utility Library
- Aimed at normalizing cross browser issues
- Events, DOM Manipulation, Selection, Ajax, Animation
- Minimum set of tools to get the job done
- Pluggable with large community ecosystem
- Extremely terse language syntax
- Monolithic architecture
- Lacks real UI widgets



```
$(“#id”) .hide() .width(300) .fadeIn()
```



```
/* jQuery Zebra Stripping Plugin */

jQuery.fn.zebra = function(odd, even) {
    return this.find("tr:odd").css("background-color", odd)
        .end().find("tr:even").css("background-color", even);
} //or $.fn.extend({ zebra : function(){...} })

$("table").zebra("#fff", "#eee");
```



- Builds UI elements on top of jQuery core
- CSS Framework to enable theming
- Fully accessible
- Supports Progressive Enhancement
- Limited set of widgets
- Infrequent release schedule due to open source nature
- Inconsistent API with little to no formal architecture

A green rounded square icon containing a white stylized 'U' shape.

USER INTERFACE

Interactions

Complex behaviors like drag and drop, resizing, selection and sorting.

- Draggable
- Droppable
- Resizable
- Selectable
- Sortable

Widgets

Full-featured UI controls – each has a range of options and is fully themeable.

- Accordion
- Datepicker
- Dialog
- Progressbar
- Slider
- Tabs

Effects

Animated transitions and easing for rich interactions.

Effect Methods

- Effect
- Show
- Hide
- Toggle
- Color animation
- Add class
- Remove class
- Toggle class
- Switch class



USER INTERFACE

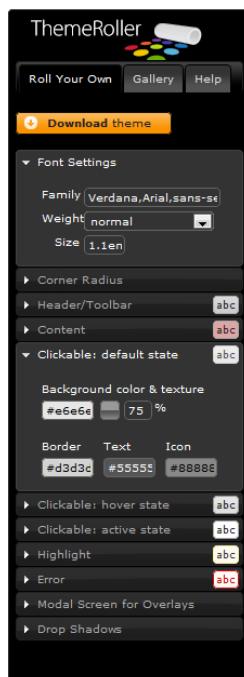


UT lightness UT darkness

Smoothness Start

Redmond Sunny

Overcast Le Frog



Font Settings

Family: Verdana,Arial,sans-serif

Weight: normal

Size: 1.1em

Corner Radius

Header/Toolbar

Content

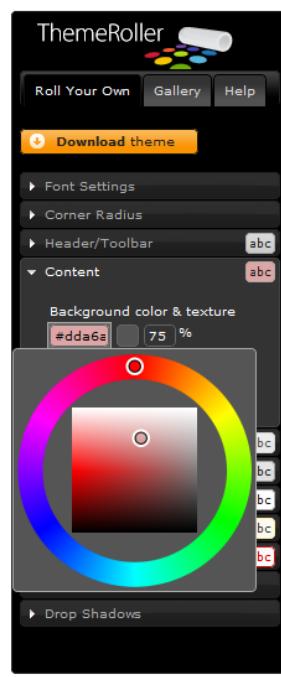
Clickable: default state

Background color & texture: #d3d3c

Border: #d3d3c

Text: #55555

Icon: #888888



Content

Background color & texture: #e6e6e6

Border: #d3d3c

Text: #555555

Icon: #888888

Clickable: hover state

Clickable: active state

Highlight

Error

Modal Screen for Overlays

Drop Shadows

Accordion

Section 1

Mauris mauris ante, blandit et, ultrices a, suscipit eget, quam. Integer ut neque. Vivamus nisi metus, molestie vel, gravida in, condimentum sit amet, nunc. Nam a nibh. Donec suscipit eros. Nam mi. Proin viverra leo ut odio. Curabitur malesuada. Vestibulum a velit eu ante scelerisque vulputate.

Section 2

Section 3

Slider



Datepicker

January 2010

Su	Mo	Tu	We	Th	Fr	Sa
1	2					
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Progressbar



Highlight / Error

Hey! Sample ui-state-highlight style.

Alert: Sample ui-state-error style.

Tabs

First Second Third

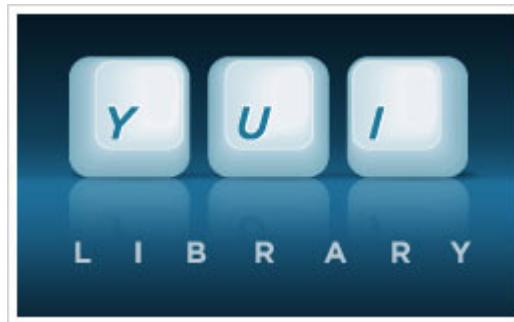
Lore ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Dialog

Open Dialog



- UI Framework rather than toolset or library
- Two different versions 2 & 3
- Intricate and well documented architecture
- Corporate backed Open Source project
- Driven by Douglas Crockford
- Verbose syntax in v2
- Community of developers rather than “Script Kiddies”



YUI 2 — ROBUST AND PROVEN

- Launched February 2006
- Used on thousands of sites around the Web — including Yahoo!
- One of the most popular, best-documented JavaScript/CSS libraries available
- Comprehensive suite of utilities and widgets

YUI 3 — YUI EVOLVED

- Launched September 2009
- YUI's next-generation framework — used on the new Yahoo! home page
- Rebuilt from the ground up to be incredibly fast, powerful, and secure
- Full suite of utilities; widgets coming in 2010
- Gallery of community-contributed components

YUI 2 Feature Set



Using YUI 2:

- [FAQ](#)
- [Getting Started](#)
- [Licensing](#)
- [Support & Community](#)
- [Filing Bugs & Feature Requests](#)

Searchable API Documentation:

- [Browse and search the complete YUI API.](#)

YUI 2 Developer Tools:

- [Logger Control](#)
- [Profiler](#) (client-side, cross-browser profiling)
- [ProfilerViewer Control](#)
- [YUI Test Utility](#)

YUI 2 CSS Tools:

- [CSS Reset](#) (neutralizes browser CSS styles)
- [CSS Base](#) (applies consistent style foundation for common elements)
- [CSS Fonts](#) (foundation for typography and font-sizing)
- [CSS Grids](#) (more than 1,000 CSS-driven wireframes in a 4KB file)

UI 2 Core:

- [The YAHOO Global Object](#) (base requirement for all YUI components)
- [DOM Collection](#) (convenience methods for DOM interactions)
- [Event Utility](#) (event normalization and custom events)

UI 2 Utilities:

- [Animation Utility](#)
- [Browser History Manager](#)
- [Connection Manager](#) (for XHR/Ajax)
- [Cookie Utility](#)
- [DataSource Utility](#)
- [Drag and Drop Utility](#)
- [Element Utility](#)
- [Get Utility](#) (dynamic script/css loading)
- [ImageLoader Utility](#)
- [JSON Utility](#)
- [Resize Utility](#)
- [Selector Utility](#)
- [Storage Utility](#) BETA
- [SWFStore Utility](#) BETA
- [SWF Utility](#) BETA
- [StyleSheet Utility](#) BETA
- [The YUI Loader Utility](#)

YUI 2 Widgets:

- [AutoComplete](#)
- [Button](#)
- [Calendar](#)
- [Carousel](#) BETA
- [Charts](#) BETA
- [Color Picker](#)
- [Container](#) (including [Module](#), [Overlay](#), [Panel](#), [Tooltip](#), [Dialog](#), [SimpleDialog](#))
- [DataTable](#)
- [ImageCropper](#) BETA
- [Layout Manager](#)
- [Menu](#)
- [Paginator](#)
- [Progress Bar](#) BETA
- [Rich Text Editor](#)
- [Slider](#)
- [TabView](#)
- [TreeView](#)
- [Uploader](#) BETA

YUI 3 Feature Set



ON THIS PAGE

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DOCUMENTATION

- [API Docs](#)
- [Functional Examples](#)
- [Dependency Configurator](#)

DEVELOPER TOOLS

- [Console BETA](#)
- [Profiler](#)
- [Test](#)

YUI 3 GALLERY

Visit the [YUI 3 Gallery](#) for more YUI 3-based components contributed by the YUI community.

CORE

- [YUI Global Object](#)
- [Node](#)
- [Event](#)

UTILITIES

- [Animation](#)
- [AsyncQueue](#)
- [Cache](#)
- [Cookie](#)
- [DataSchema BETA](#)
- [DataSource BETA](#)
- [DataType BETA](#)
- [Drag & Drop \(DD\)](#)
- [Get](#)
- [History](#)
- [ImageLoader](#)
- [IO](#)
- [JSON](#)
- [StyleSheet](#)

COMPONENT INFRASTRUCTURE

- [Attribute](#)
- [Base](#)
- [Plugin BETA](#)
- [Widget BETA](#)

WIDGETS

- [Overlay BETA](#)
- [Slider BETA](#)

PLUGINS

- [FocusManager Node Plugin BETA](#)
- [MenuNav Node Plugin BETA](#)
- [Console Filters Plugin BETA](#)

CSS RESOURCES

- [CSS Reset](#)
- [CSS Base](#)
- [CSS Fonts](#)

YUI 2/3 Code Comparison



```
var oElement = document.getElementById("elementid");
YAHOO.util.Event.addListener(oElement, "click", fnCallback);
```

2

```
Y.one("elementid").on("click", fnCallback);
```

3

Dependency Resolution



```
YUI().use("node", function(Y) {  
    Y.one("#message").setContent("Hello, World!");  
});
```

Decisions... Decisions... Decisions...



or



- Web Site or Web App?
- How rich does it need to be?
- Best of two worlds?
 - YUI2 → YUI3 (trickle migration)
 - jQuery + YUI2
- The future?
 - jQuery 1.4 vs. YUI 3

Questions?

