

# Tips and Tricks for Efficient, Accessible Web Design

Accessible Technology On-Line Seminar Series  
November 18th, 2009

-Fred Gonzalez

# Techniques to be covered:

1. Accessible drop-down navigation
2. Use Cascading Style Sheets (CSS) for device independence
3. Visual cues for document links
4. Using the Acronym/Abbreviation Tag
5. Printable Web pages that keep reference to links
6. Content Translation



# Accessible drop-down navigation

- Forgiving to users lacking fine motor dexterity
- Usable to mouse users and keyboard-only users
- Indicates the presence of sub-menus
- Screen Reader users can still access the dropdown menu



# Accessible drop-down navigation

The screenshot displays the website for the DBTAC - Pacific ADA Center. The top navigation bar includes links for Home, About Us, Assistance, News, Resources, Training, and Distance Learning. The 'About Us' menu is expanded, showing a list of links: Technical Assistance, ADA Document Portal Search, ADA Materials List, I.T. Materials List, ADA Information, and FAQ's. A secondary menu is visible on the right side of the expanded 'About Us' menu, containing links for Facts About ADA, How to File Title I Complaint, Title II Highlights, File Title II Complaint Form, Title III Highlights, How to file Title III Complaint, and Title 24 Regulations. The main content area features the heading 'Our Mission' and several paragraphs of text describing the center's purpose and activities. A 'Toll-Free' label is visible in the top right corner, and a 'Print this Page' link is located in the upper right of the content area.

CENTER Toll-Free

Home About Us Assistance News Resources Training Distance Learning

Home Page » About Us

**Our Mission**

The purpose of the Pacific ADA Center (DBTAC) is to build a partnership between the disability and business communities through education and training.

The DBTAC - Pacific ADA Center is one of ten Regional ADA Centers established by the Department of Justice. We have been set up to provide information and referral, training, consultation, and technical assistance to business, state and local government, and disability communities about their responsibilities under the Americans with Disabilities Act. For the Americans with Disabilities Act projects are underway: Enforcement and Compliance.

The Center includes over 60 consultants, a small staff, and a large network of volunteers. More than 38 entities regionally participate in nationwide training projects. Materials for broad base dissemination are available.

ADA Center works directly with the Departments of Justice, Equal Employment Opportunity Commission, Department of Transportation, and the Federal Communications Commission to implement the Americans with Disabilities Act.

Technical Assistance  
ADA Document Portal Search  
ADA Materials List  
I.T. Materials List  
ADA Information  
FAQ's

Facts About ADA  
How to File Title I Complaint  
Title II Highlights  
File Title II Complaint Form  
Title III Highlights  
How to file Title III Complaint  
Title 24 Regulations

Print this Page



# Use Cascading Style Sheets (CSS) for device independence

What is a Cascading Style Sheet?

Cascading Style Sheets (CSS) is a style sheet language used to describe the presentation semantics (that is, the look and formatting) of a document written in a markup language. Its most common application is to style web pages written in HTML and XHTML



# Use Cascading Style Sheets (CSS) for device independence

What is Device Independence?





# Use Cascading Style Sheets (CSS) for device independence

Who benefits from Device Independence?

- Users of non-pointing input devices (keyboard-only users, Mouth stick, Head wand)
- Users lacking fine motor control
- Hand-held device users





# Use Cascading Style Sheets (CSS) for device independence

3 key (special) Pseudo classes:

- `a:hover` - Link becomes active only when the user **HOVERS** over a link or other Web object
- `a:active` - link becomes active while the user **CLICKS** on the link or other Web object
- `a:focus` - will be active only when the user **TABS** to links and other Web objects





# Visual cues for document links

All quarterly newsletters from this Web site are available in PDF Format. Alternate Formats are available. [Email us](#) to request print.

[Download Adobe Acrobat Reader](#)

## Current Newsletter

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- Fall 2009 Newsletter - [PDF Version \(.pdf\)](#) | [MS Word Version \(.doc\)](#) | [PowerPoint Version \(.ppt\)](#)
- Fall 2008 Newsletter - [PDF Version \(.pdf\)](#) | [MS Word Version \(.doc\)](#) | [PowerPoint Version \(.ppt\)](#)

## Newsletter Archive

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- [Winter 2008 Newsletter](#)
- [Winter 2008 Newsletter](#)
- [Fall 2007 Newsletter](#)
- [Fall 2007 Newsletter](#)

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## Newsletter Archive

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- [Fall 2007 Newsletter](#) 
- [Fall 2007 Newsletter](#) 





# Visual cues for document links

```
a[href$='.pdf'] {  
    padding-right: 18px;  
    background: transparent  
    url(../images/cue/icon_pdf.gif) no-repeat center right;  
}
```

```
a.pdf {  
    padding-right: 18px;  
    background: transparent  
    url(../images/cue/icon_pdf.gif) no-repeat center right;  
}
```



# Visual cues for document links

## Who benefits from visual cues?

- Cognitive-impaired users
- Low-vision users
- Users with unsupported software
- Limited bandwidth
- Language barriers
- Users with download limits



# Using the Abbreviation Tag

## Page View:

[Home Page](#) » ADA Distance Learning Series

## ADA Distance Learning Resources

### **ADA Americans with Disabilities Act of 1990 Audio Conference Series: 2009 Sessions**

The ADA Audio Conference Distance Learning Series provides in-depth information on (ADA), Accessible Information Technology and other related topics. This resource is available for free to all users.

## HTML View:

```
<h1><abbr title="Americans with Disabilities Act of 1990">ADA</abbr> Distance...</h1>
```



# Using the Abbreviation Tag

## Purpose of Abbreviation <Abbr> Tag

- Mark up ambiguous terms, abbreviations, and acronyms to provide full information of the term for users who do not know the meaning.
- Provide information to browsers, spellcheckers, screen readers, translation systems and search-engines





# Using the Abbreviation Tag

What about the Acronym <acronym> Tag?

The `abbr` element indicates that a text fragment is an abbreviation (e.g., W3C, XML, Inc., Ltd., Mass., etc.); **this includes acronyms.**

- World Wide Web Consortium (W3C) XHTML 2.0 Working Draft

# Printable Web pages that keep reference to links

## National Center on Disability and Journalism

San Francisco State University

[Visit National Center on Disability and Journalism Web site](#)

## The Center for an Accessible Society

Disability Issues Information for Journalists

[Visit The Center for an Accessible Society Web site](#)

## iCan - On a Roll

Talk radio on life and disability.

[Visit iCan Web site](#)

## Recreation

### National Center on Accessibility (NCA) - Indiana Univ

Training, technical assistance and research on access to

[Visit National Center on Accessibility Web site](#)

### iCan - On a Roll

Talk radio on life and disability.

[Visit iCan Web site](#)

### Recreation

#### National Center on Accessibility (NCA) - Indiana University

Training, technical assistance and research on access to parks, recreation, and tourism.

[Visit National Center on Accessibility Web site](#)

### Links on this page

1. <http://www.access-board.gov/ada-aba/index.htm>
2. <http://www.constructionweblinks.com/>
3. <http://www.graphicartistsguild.org/resources/disability-access-symbols/>
4. <http://www.sleuopa/accessibility/exdesign/start.htm>
5. <http://www.cpd.usu.edu/>
6. <http://www.usu.edu/>
7. <http://www.w3.org/TR/2008/REC-WCAG20-20081211/>
8. <http://www.ncd.gov/>
9. <http://www.nichcy.org/>
10. <http://pasture.ecn.purdue.edu/~agenhtml/ABE/Extension/ENG/bnginfo.html>
11. <http://www.nacna.org/>



# Content Translation

  
翻譯 | 翻訳する | 번역 | Isalin-wika | Dich

[Home](#) [About Us](#) [Programs](#) [Research](#) [Technical Assistance](#) [Events](#) [News](#) [Contact Us](#)

## Asians and Pacific Islanders with Disabilities of California

Our mission is to give a voice and a face to Asians and Pacific Islanders (APIs) with disabilities. We bridge the service and cultural barriers that APIs with disabilities face and to empower them and their families.



### A brand new organization...

"Giving a voice and a face to Asians and Pacific Islanders with Disabilities in California"

We are a small, yet strong grassroots organization of APIs with and without disabilities who believe that disability issues need to be on the same platform as all civil rights issues in the API community and in the general community.

### Latest News

Video: San Francisco Foundation 2009 Community Leadership Award Mary Lou Breslin, co-founder of the Disability Rights Education and Defense Fund

A A A A Text

### Latest News:

- 10/11/2009 - Governor Schwarzenegger signed AB 1269 into law a few hours before the legal deadline on October 11, 2009
- 9/29/09 - Sears, Roebuck to pay \$2 Million for Disability Bias
- 9/16/09 - EEOC accepting public comment on ADA Amendments Act proposed regulations
- 9/21/09 - Tash Announces Scholarship Opportunities To Help

# Content Translation

Google translate   
English > Japanese

[Help](#) | [Sign in](#)

View: ☒ Translation ☐ Original



**APIDC**  
Asians and Pacific Islanders  
with Disabilities of California

メインコンテンツへスキップ

翻訳 翻訳する | 번역 | Isalin-wika | Dich

家 私どもについて プログラム 研究 技術援助 イベント ニュース お問い合わせ

## アジアと太平洋諸島系障害カリフォルニア州で

私たちの使命とアジアの顔と、太平洋諸島（API）の障害者の声を与えることです。我々は、サービスや文化的障壁の橋は、障害者の顔をAPIとし、彼らとその家族の力を与える。



### ブランドの新しい組織を...

"とアジアの顔と太平洋諸島の障害のあるカリフォルニア州で"音声を与える

我々は、小型と障害のないのAPIはまだ強い草の根の組織者は、障害者の問題は、APIのコミュニティ内のすべての公民権の問題と一般的な社会では、同じプラットフォーム上に存在する必要があると信じています。

### 最新ニュース

A A A Text

### 最新ニュース :

- 2009年10月11日-シェワルツェネッガー知事は法律にアブ1269に署名した数時間2009年10月11日に法的な期限前に
- 9/29/09 -シアーズローバック障害者のバイアスのため200万ドルの支払いを
- 9/16/09 - EEOC ADAの改正法に關す



# Resources:

- Accessible Drop-down Navigation  
[www.virtual508.com/bp-word.html](http://www.virtual508.com/bp-word.html)
- Cascading style sheets for Device Independence  
<http://www.w3.org/TR/WCAG10/#gl-device-independence>
- Visual cues for document links  
[http://www.askthecssguy.com/2006/12/hyperlink\\_cues\\_with\\_favicons.html](http://www.askthecssguy.com/2006/12/hyperlink_cues_with_favicons.html)
- Using the Acronym or Abbreviation Tag  
[http://www.w3.org/TR/xhtml2/mod-text.html#sec\\_9.1](http://www.w3.org/TR/xhtml2/mod-text.html#sec_9.1)
- Printable Web Pages that keep references to links  
<http://www.alistapart.com/articles/improvingprint/>
- Content Translation  
[http://translate.google.com/translate\\_tools?hl=en](http://translate.google.com/translate_tools?hl=en)