

INTRODUCTION

TO WEBSITE ACCESSIBILITY



An Infopeople Webinar
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A grayscale photograph of a large iceberg floating in a dark, textured sea. A small figure of a person stands on the very peak of the iceberg. A large, solid blue circle is overlaid on the right side of the image, partially covering the sea and the iceberg. Inside the circle, the text "THERE IS SO MUCH MORE!" is written in white, bold, sans-serif capital letters, arranged in four lines.

THERE IS
SO
MUCH
MORE!

The logo consists of two overlapping blue circles. The larger circle on the left contains the text "IANAL" in white, uppercase, sans-serif font. A smaller circle overlaps the bottom right of the larger one.

IANAL



Agenda

FOUNDATIONS

Accessibility matters.
Here's what it is and why.

STANDARDS & VALIDATORS

What are the rules, and how
can you know if you've met
them?

CODE EXAMPLES

That basic HTML course
you had probably didn't
cover this stuff, but should
have

FOUNDATIONS



The
useful &
the
scary

What is web accessibility?

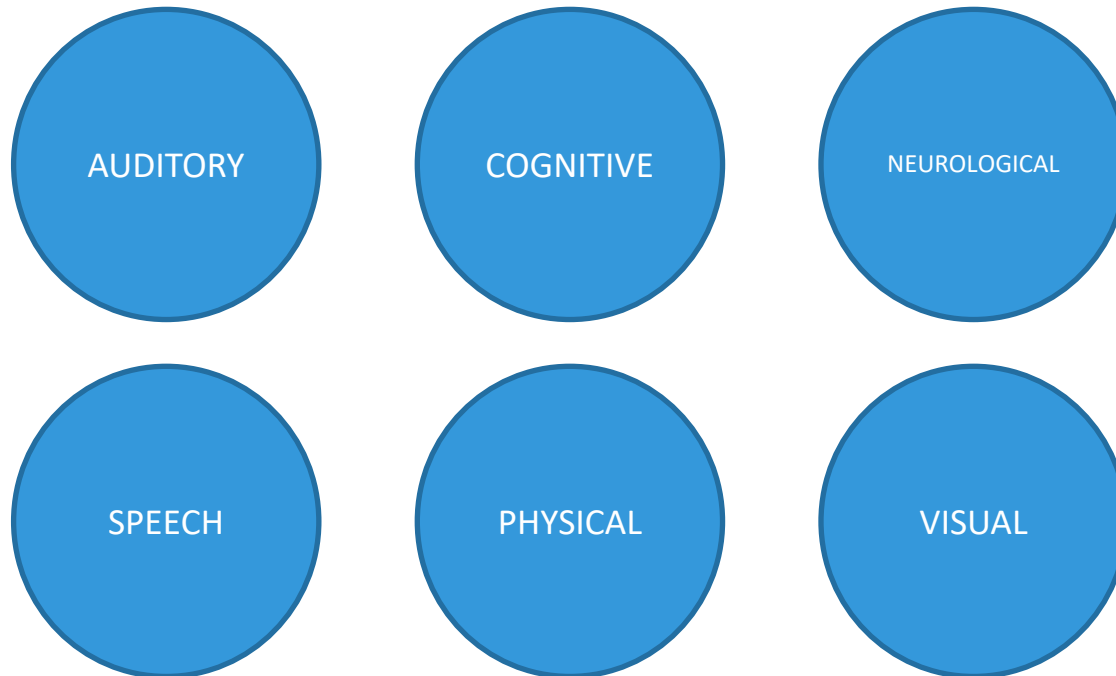


“Web accessibility means that websites, tools, and technologies are designed and developed so that people with disabilities can use them. ”

NOT JUST BLIND/VISUALLY IMPAIRED



Web accessibility encompasses all disabilities that affect access



<https://www.w3.org/WAI/fundamentals/accessibility-intro/>

Accessibility vs. usability

Not the same, but they can overlap.



A site
can be
one and
not the
other

Legal issues



ADA Lawsuits for websites on the rise



Lots of lawsuits

And this is just a sampling



rue21.



Winn✓Dixie.



What about libraries?



Payan
vs.
Los Angeles Community
College District
(July 2019),

<https://www.leagle.com/decision/infdco20190522816>

Statement from the Department of Justice

Via a letter from the assistant U.S. attorney general, on September 25,
2018

“The Department first articulated its interpretation that the ADA applies to public accommodations’ websites over 20 years ago. This interpretation is consistent with the ADA’s title III requirement that the goods, services, privileges, or activities provided by places of public accommodation be equally accessible to people with disabilities.”

*Any sufficiently advanced neglect is
indistinguishable from malice.*



Deb Chachra,
reappropriating Clarke's third law



Standards & validators

What are the rules, and how can you know if you've met them?



1

Section 508
compliance



Section 508

U.S. only. The bare minimum.

2

WCAG
A, Level AA, Level

World Content Accessibility Guidelines (WCAG)

International standard.
Significantly more
comprehensive than Section
508.

Section 508

Rehabilitation Act of 1973



U.S. only

Not a
stringent
standard

W3C®

WCAG 2.0

These
matter

<https://alair.ala.org/handle/11213/1061>

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Purchasing of Accessible Electronic Resources Resolution

URI: <http://hdl.handle.net/11213/1061>

Date: 2009-07-15

Abstract:

Resolution adopted by ALA Council on July 15, 2009, in Chicago, Illinois. Council Document 52 Revised (CD#52).

[Show full item record](#)

Files in this item



Name: 07-15-09-CD52rev.pdf
Size: 412.3Kb
Format: PDF

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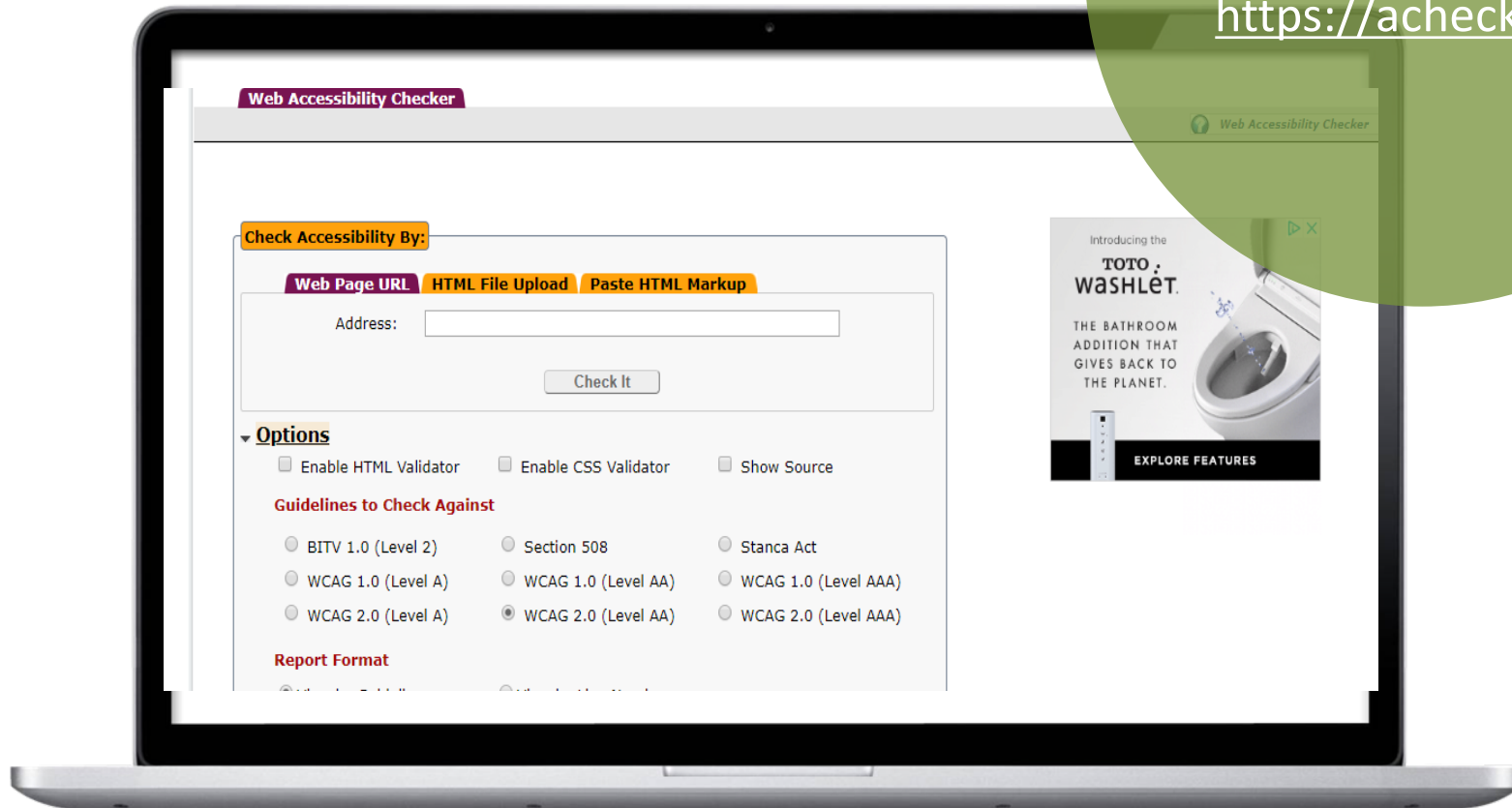
This item appears in the following Collection(s)

- [Resolutions](#)
Resolutions authored by or of interest to ALA's Committee on Legislation

Automated checkers

The beginning, not the end

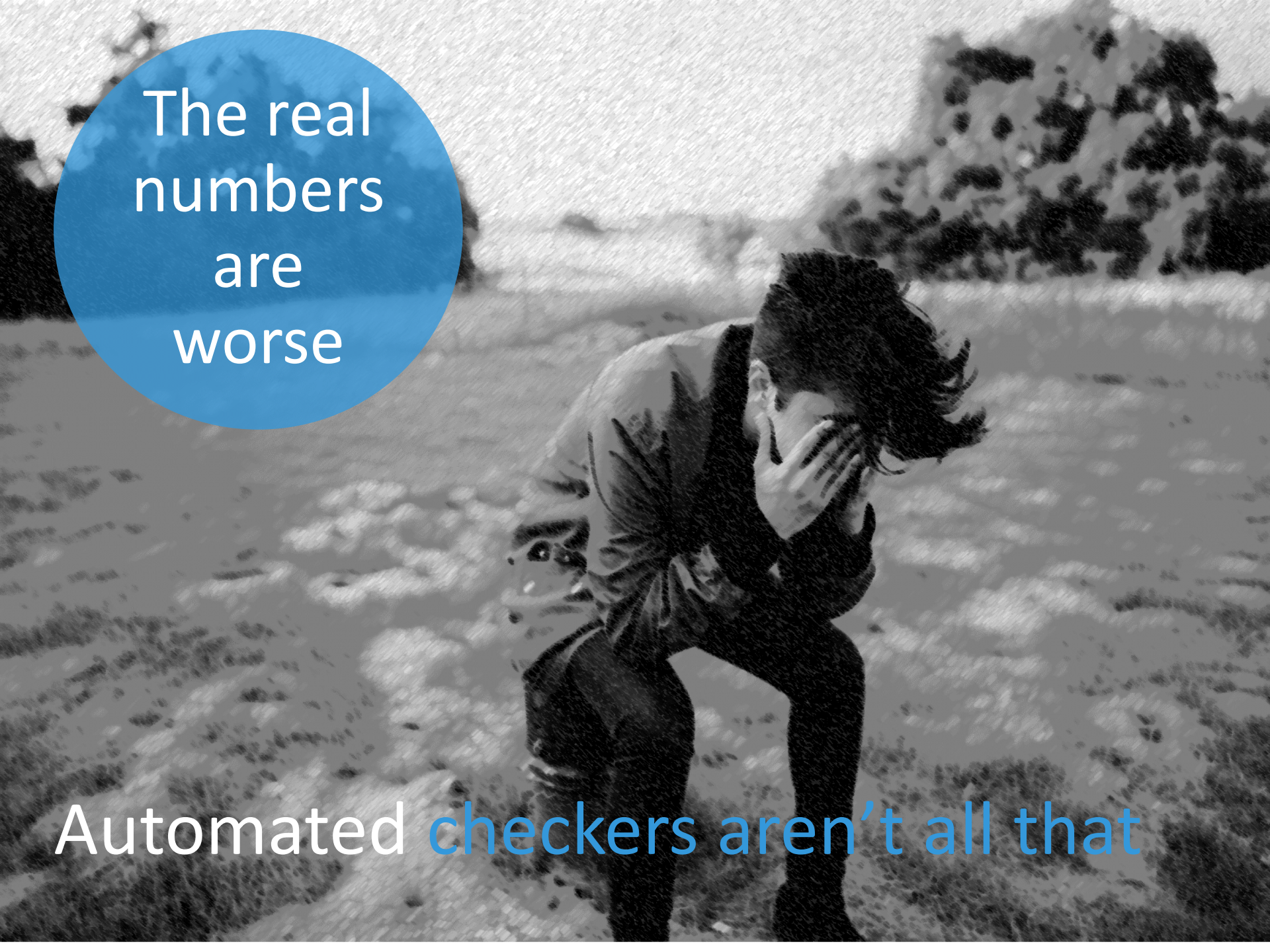
ACHECKER
<https://achecker.ca>



WebAIM
web accessibility in mind



<https://webaim.org/>



The real
numbers
are
worse

Automated checkers aren't all that

CODE EXAMPLES

That basic HTML course you had probably didn't cover this stuff, but should have

The alt attribute

```

```

<https://www.youtube.com/watch?v=NvqasTVoW98&list=WL&index=65&t=0s>

HOW?



```
<img  
scr="http://www.oplin.org/panda.jpg"  
alt="Panda bear relaxing on a large  
rock" />
```



```
<img  
scr="http://www.oplin.org/panda.jpg"  
alt="Panda" />
```



Don't confuse **alt** and **title** attributes

```
<a href = "events.html" title = "View all posts feed under Events">Events</a>
```

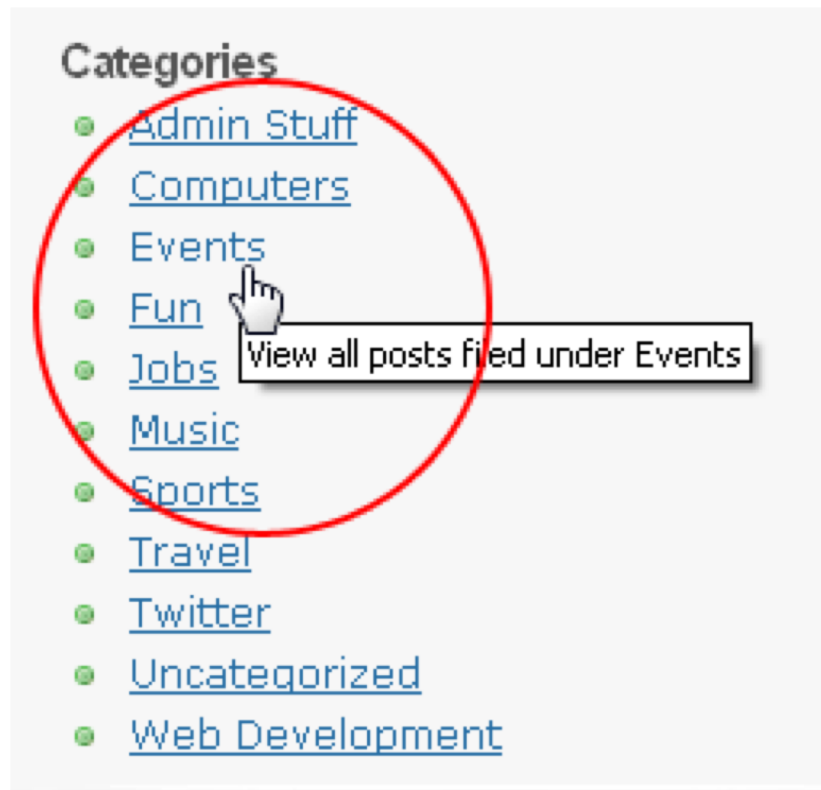


Image from <https://www.rankwatch.com/learning/content/215-is-title-attribute-really-important>



longdesc

```

```

Use meaningful images

Get rid of the cutsey clipart stuff already.



How you size your fonts matters

BAD:

Font-size: 12px;

Font-size: 12pt;

GOOD:

Font-size: 1.3em;

Font-size: .78em;

Meaningful link text

This helps everyone

“Click here”

versus

“More bestsellers”

Duplicate link text

<< Prev Year Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Next Year >>

<Prev **FEBRUARY** Next>

nts

Click to View Ongoing Events

	Tuesday	Wednesday	Thursday	Friday	Saturday
		<p>1</p> <ul style="list-style-type: none"> All Day-Job Help Center All Day-Job Help Center - Open PC's All Day-Job Help Center Open PCs All Day-Job Help Center-Hands On Help 9:00 AM-Job Help Center 9:00 AM-Job Help Center - Hands On Help 9:00 AM-Job Help Center - Open PCs 9:00 AM-Job Help Center-Hands on Help 9:00 AM-Job Help Centers 9:00 AM-Job Help Centers Hands On Help 9:00 AM-Open computers and hands-on help 9:00 AM-Open PCs and Hands-On Help 9:30 AM-ABL/GED Classes 9:30 AM-Preschool Storytime 	<p>2</p> <ul style="list-style-type: none"> All Day-Job Help Center All Day-Job Help Center - Open PC's All Day-Job Help Center Open PCs All Day-Job Help Center-Hands On Help 9:00 AM-Job Help Center 9:00 AM-Job Help Center - Hands On Help 9:00 AM-Job Help Center - Open PCs 9:00 AM-Job Help Center-Hands on Help 9:00 AM-Job Help Centers 9:00 AM-Job Help Centers Hands On Help 9:00 AM-Job Help Centers- Open PCs 9:00 AM-Open computers and hands-on help 9:00 AM-Open PCs and Hands-On Help 9:30 AM-ABL/GED Classes 9:30 AM-Preschool Storytime 	<p>3</p> <ul style="list-style-type: none"> All Day-Job Help Center All Day-Job Help Center All Day-Job Help Center All Day-Job Help Center All Day-Job Help Center - Open PC's All Day-Job Help Center Open PCs All Day-Job Help Center- Open PCs All Day-Job Help Center-Hands On Help All Day-Job Help Centers 9:00 AM-Job Help Center - Open PCs 9:00 AM-Job Help Center-Hands on Help 9:00 AM-Job Help Centers Hands On Help 9:00 AM-Open computers for job help. 10:00 AM-ABLE / GED Classes 10:00 AM-Free English/ESOL 	<p>4</p> <ul style="list-style-type: none"> All Day-Job Help Center All Day-Job Help Center All Day-Job Help Center All Day-Job Help Center All Day-Job Help Center - Open PC's All Day-Job Help Center Open PCs All Day-Job Help Center- Open PCs All Day-Job Help Center-Hands On Help All Day-Job Help Centers All Day-Tween Activities 9:00 AM-Job Help Center - Open PCs 9:00 AM-Job Help Center-Hands on Help 9:00 AM-Open computers for job help. 10:00 AM-ABL/Citizenship Class 10:00 AM-Ancestry Genealogy Lab

Tables are **not** for layout

FRUIT	VEGETABLES
Bananas	Celery
Apples	Lettuce

Table markup is also important

Fruit	Vegetables
Bananas	Celery
Apples	Lettuce

BAD table markup:

```
<table>
  <tr>
    <td><strong>Fruit</strong></td>

    <td><strong>Vegetables</strong><
  /td>
</tr>
  <td>Bananas</td>
  <td>Celery</td>
</tr>
  <td>Apples</td>
  <td>Lettuce</td>
</tr>
</table>
```

GOOD table markup:

```
<table summary="Fruits & vegetables table">
  <tbody>
    <tr>
      <th>Fruit</th>
      <th>Vegetables</th>
    <tr>
      <td>Bananas</td>
      <td>Celery</td>
    </tr>
    <tr>
      <td>Apples</td>
      <td>Lettuce</td>
    </tr>
  </tbody>
</table>
```


How you use color is essential


Learn to check contrast

Color Contrast Checker


[Home](#) > [Resources](#) > Color Contrast Checker

Foreground Color

#0000FF




Lightness

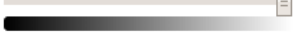


Background Color

#FFFFFF



Lightness



Contrast Ratio

8.59:1

[permalink](#)

Normal Text

WCAG AA: **Pass**

WCAG AAA: **Pass**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**

WCAG AAA: **Pass**

The five boxing wizards jump quickly.

<https://webaim.org/resources/contrastchecker/>



One last thing..

You can use a screen reader, too!



NVDA

- Download: <http://www.nvda-project.org/>
- Windows only
- It takes a lot of time to get familiar with it!
- The page may not scroll while the reader is reading
- Getting started guide: <http://webaim.org/articles/nvda/>

QUESTIONS?

http://designforthelittleguy.com/accessibility_resources.pdf

*Thank
you!*

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