

A photograph of a person in a wheelchair using a laptop, viewed through a laptop screen. The person is wearing a light blue long-sleeved shirt and is focused on the laptop. The wheelchair is blue and black. The background is a plain, light-colored wall.

LAURA
SOLOMON

INTRODUCTION

TO WEBSITE ACCESSIBILITY

A Project Enable Webinar
Hosted by Infopeople
June 1, 2021

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A grayscale photograph of a person standing on the peak of a mountain. The person is small and positioned near the top center of the frame. A large, semi-transparent blue circle is overlaid on the right side of the image, containing the text 'THERE IS SO MUCH MORE!' in white, uppercase letters. The background is a dark, textured sky.

THERE IS
SO
MUCH
MORE!

The logo consists of two overlapping blue circles. The larger circle is on the left and contains the text 'IANAL' in white, uppercase letters. A smaller circle overlaps the bottom right of the larger one.

IANAL



IN PROGRESS...



Web Accessibility Specialist

International Association of Accessibility Professionals

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?

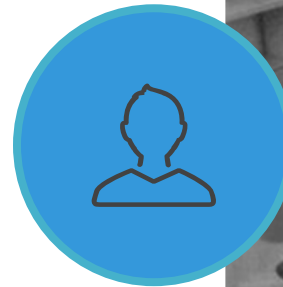


WC3

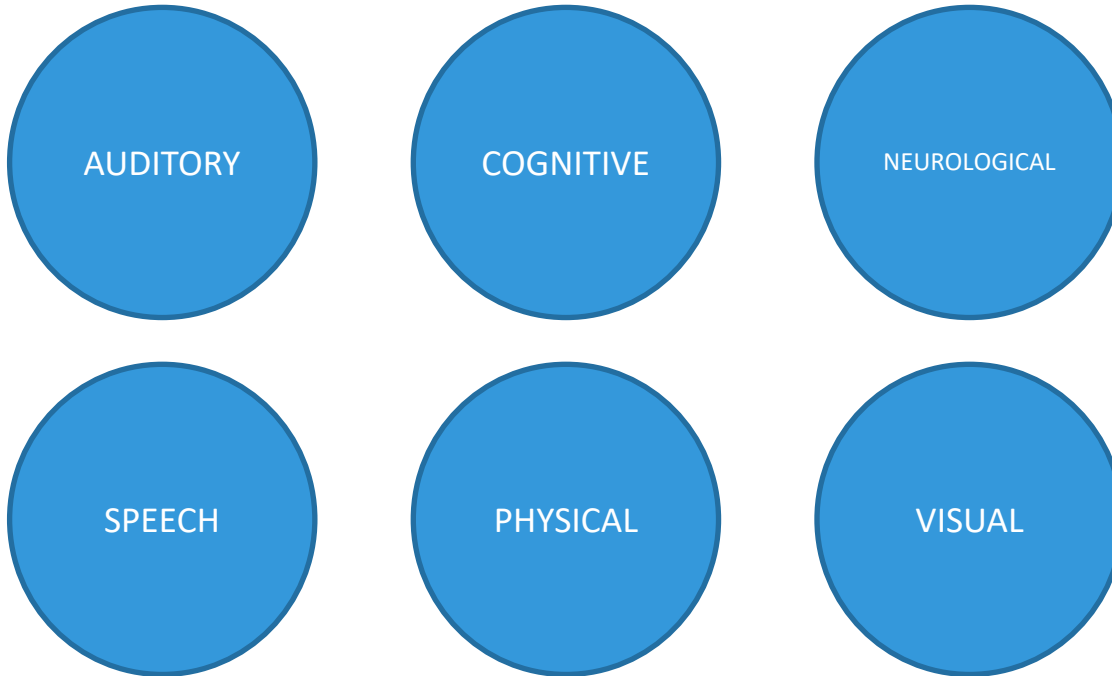
Web Accessibility
Initiative (WAI)

“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?

Free
LIBRARY OF
PHILADELPHIA



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).

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Files in this item



Name: 07-15-09-CD52rev.pdf
Size: 412.3Kb
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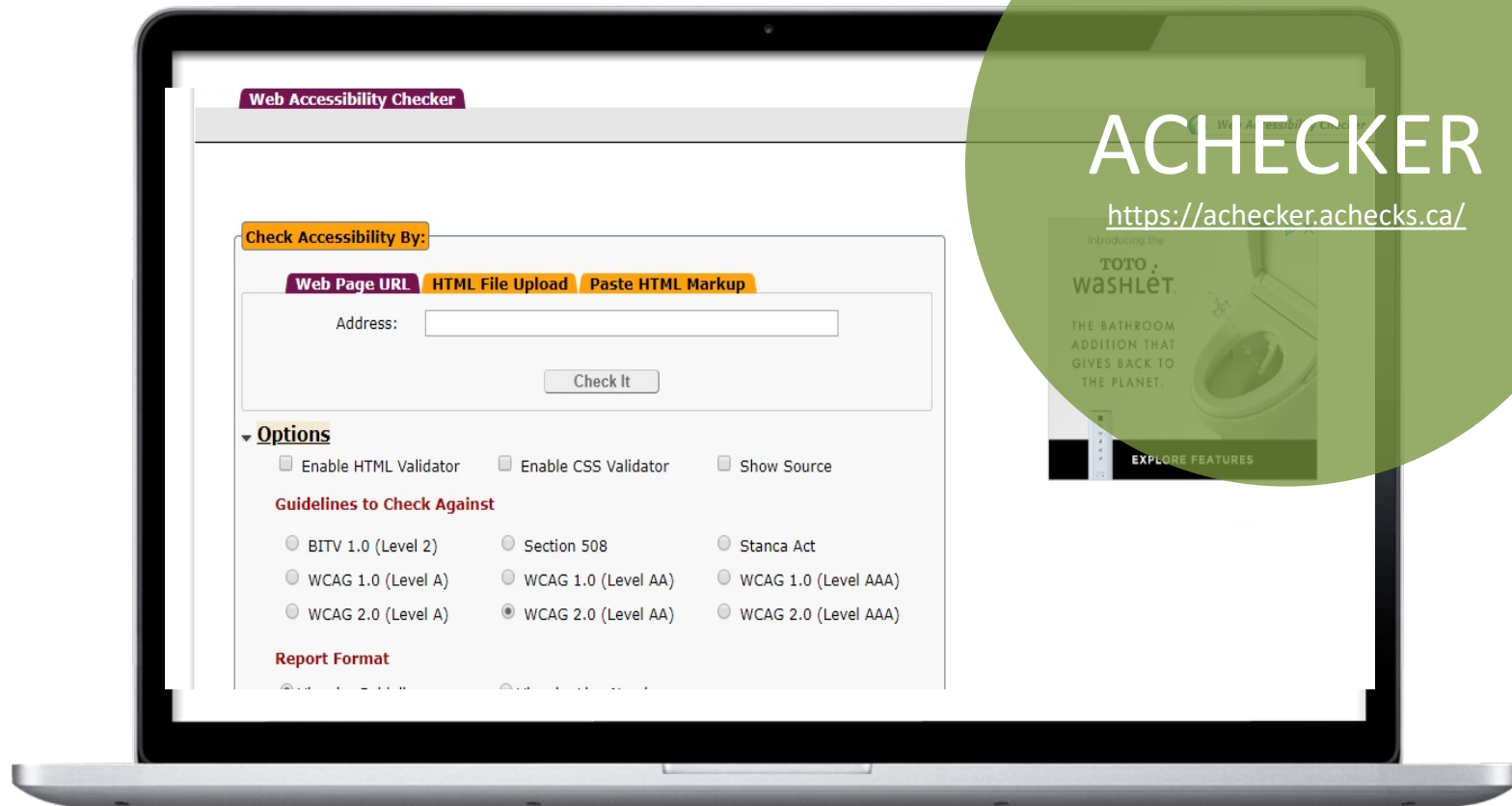
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Automated checkers

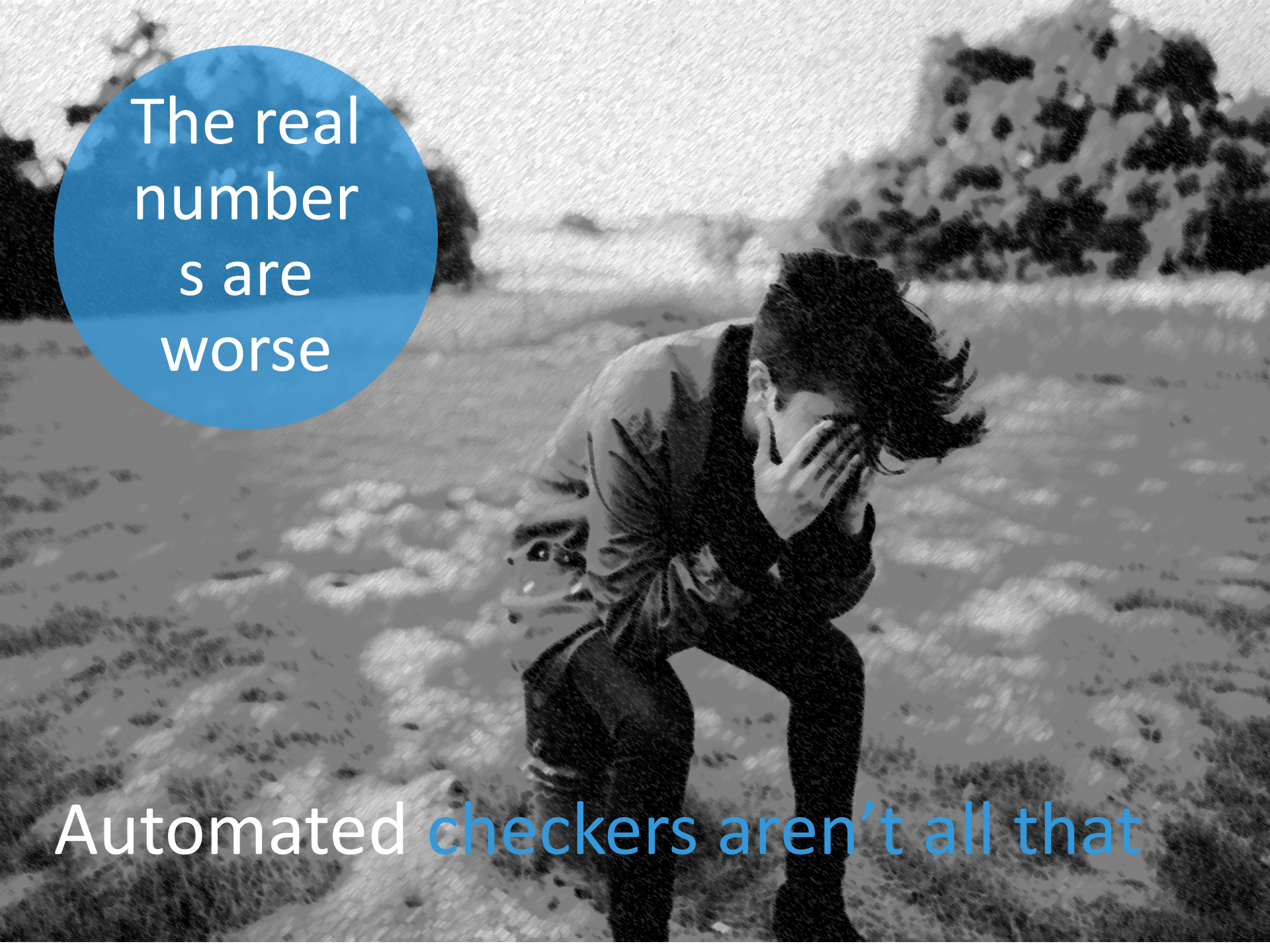
The beginning, not the end



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 | <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>

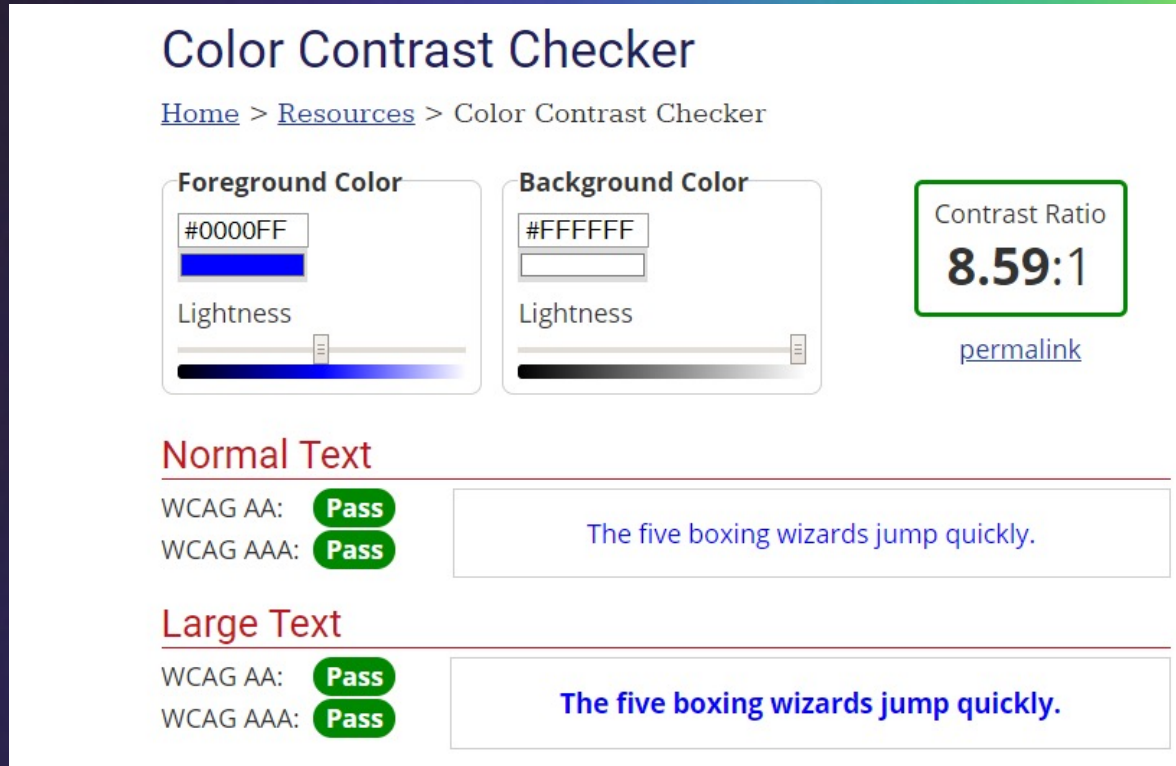
    <td><strong>Vegetables</strong><
  /td>
</tr>
  <td>Bananas</td>
  <td>Celery</td>
</tr>
  <td>Apples</td>
  <td>Lettuce</td>
</tr>
</table>
```

GOOD table markup: [

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

*Thank
you!*

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