

# Web accessibility is not an option

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What is the problem?

Have you ever  
considered your life  
without the web?

And all the small  
opportunities that it  
brought to you?

It is unlikely that you  
have, is it not?

Still, the web played a  
big part in your life  
and shaped you.

And today, you may  
not see any issue  
with the web.

Still, these issues  
exist and are very  
real to many people.



Because we design  
websites for non-  
disabled people.

And we do it at the  
expense of people  
with disabilities.

So, let me tell you a few things about web accessibility.

What do you mean  
by web accessibility?

It is the inclusive  
practice of removing  
barriers for people  
with disabilities.

So, it ensures that everyone has equal access to information and functionality.

No matter their level  
of disability.

What do you mean  
by disability?



It is the consequence  
of an impairment.

An impairment is  
present from birth or  
acquired later.

An impairment is  
progressive or non-  
progressive.

An impairment may  
be visual, hearing,  
motor or cognitive.

If visual, it may be  
blindness, low vision  
or color-blindness.

If hearing, it may be  
deafness or hard-of-  
hearing.

If motor, it may be  
limited dexterity or  
loss of limbs.

If cognitive, it may be  
learning issues or  
memory loss.



So, how do you do  
web accessibility?

Provide appropriate  
alternative text to  
non-text content.

```
<!-- bad -->
```

```

```

```
<!-- bad -->
```

```

```

```
<!-- good -->
```

```

```

```
<!-- good -->
```

```

```

Provide appropriate document structure with semantic tags.

```
<body>  
  <header>some header</header>  
  <nav>some navigation</nav>  
  <main>  
    <article>some article</article>  
  </main>  
  <footer>some footer</footer>  
</body>
```



```
<article>  
  <h1>some title</h1>  
  <h2>some subtitle</h2>  
  <p>some paragraph</p>  
  <ul>some list</ul>  
  <h2>some other subtitle</h2>  
  <p>some other paragraph</p>  
</article>
```

Provide appropriate  
column headers for  
data tables.

```
<table>
  <thead>
    <tr>
      <th>some header</th>
      <th>some other header</th>
    </tr>
  </thead>
  ...
</table>
```

Provide appropriate  
validation and error  
recovery to forms.

```
<form method="post">
  <label for="name">Name</label>
  <input type="text" name="name"
        id="name" required>
  ...
  <button type="submit">
    Submit your proposal
  </button>
</form>
```

Provide appropriate  
link description to  
links on the page.

```
<!-- bad -->
```

```
<a href="/articles/">
```

```
  Click here
```

```
</a>
```

```
<!-- good -->  
<a href="/articles/">  
  Articles  
</a>
```



```
<!-- good -->  
<a href="/articles/">  
  See all articles  
</a>
```

Caption and provide transcripts for audio and video media.

“Just watch this talk  
from PyCon if you  
need an example.”

Ensure accessibility  
of PDF files and other  
non-HTML content.

“Just implement the  
same guidelines as  
for the web.”

Allow users to skip  
repetitive elements  
on the page.

```
<body>
  <a href="#content">
    Skip to main content
  </a>
  <header>some header</header>
  <nav>some navigation</nav>
  <main id="content">
    <article>some article</article>
  </main>
  <footer>some footer</footer>
</body>
```

```
<body>
  <a href="#content">
    Skip to main content
  </a>
  <header>some header</header>
  <nav>some navigation</nav>
  <main id="content">
    <article>some article</article>
  </main>
  <footer>some footer</footer>
</body>
```



Do not rely on color  
alone to convey  
information.

```
<!-- bad -->
```

```
<span class="label green"></span>
```

```
<!-- good -->  
<span class="label green">  
    some label  
</span>
```

Make sure content is  
clearly written and  
easy to read.

“Write explicit, clear,  
simple and positive  
sentences.”

“And use clear fonts,  
relative units and  
strong contrasts.”

“And seriously, avoid  
blinking text or  
moving it at all.”

Make browser-side  
JavaScript code  
accessible.



“Just avoid device-  
dependent event  
handlers.”

Design to standards  
to avoid hacks and  
inaccessible pages.

“Avoid inline styles,  
deprecated tags and  
missing attributes.”

Where do we go from  
there, then?

Document yourself  
about impairment  
and disability.

Talk with people with  
disabilities and listen  
to them.

Read guidelines like  
WCAG, ATAG, UUAAG  
and ARIA.

Try accessibility tools  
on your computer or  
your smartphone.



Validate your web  
applications with  
**WAVE.**

Audit your pages with  
Chrome Accessibility  
Developer Tools.

Finally, provide your  
skills to accessibility  
organizations.

So, in conclusion?

Web accessibility is  
not an option.

And so are we.

So, let us get to work  
because there is a lot  
to catch up on.

# Thank you!

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