

Accessibility Report ACCESSIBILITY & TESTING

Saish Kothare | Certificate IV Web Based Technologies | 24/11/2020

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Introduction

This document presents a recommended format for communicating results of the evaluation of website accessibility according to Web Content Accessibility Guidelines (WCAG) 2. A consistent and comprehensive evaluation report format can help ensure effective evaluations as well as accurate comparisons of accessibility levels over time and between different websites.

Suggested items in the report format may vary depending the context. Words in brackets [...] are intended to be filled in with information from the actual review. Related documents describing the evaluation method and organization of review teams are listed in the References section below.

Executive Summary

This report describes the conformance of the <u>New Zealand</u> Web site with <u>W3C's</u> <u>Web Content Accessibility Guidelines (WCAG) 2.0</u>. The review process is described in Section 5 below and is based on the W3C's Conformance Evaluation method as described in <u>Evaluating Web Sites for Accessibility</u>.

Based on this evaluation, the <u>New Zealand</u> Web site [meets/ does not meet/ is close to meeting] WCAG 2.0, Conformance Level A. Detailed review results are available in Section 6 below. Feedback on this evaluation is welcome.

Background about Evaluation

Conformance evaluation of Web accessibility requires a combination of semi-automated evaluation tools and manual evaluation by an experienced reviewer. The evaluation results in this report are based on evaluation conducted on the following date(s): 24/11/2020. Additional information on the evaluation process is available in Evaluating Web Sites for Accessibility.

Target Audience

<u>Describe the target audience (age, location, gender, income level, education level, marital or family status, occupation, ethnic background).</u>

Age: All

Location: New Zealand Gender: Male & Female Income Level: N/A Education Level: N/A

Marital or Family Status: N/A

Occupation: N/A

Ethnic Background: N/A

My Target Audience is for those who enjoy travelling around the world during the holidays. For example, New Zealand is one that they really would love to travel and experience the different lands and culture that lies within it.

Design Choices

Summarize your design choices (Think about how you used the HTML accessibility elements. What is their specific purpose/function for your website).

The Specific purpose on how I used the HTML accessibility elements for my website is that I used appropriate mark-up headings, lists and tables. I also used additional elements like <nav> and <aside> to structure my content better.

Testing Procedure

Describe your testing procedure (Summarise how you tested your website including the testing website).

Web Testing is checking your web application or website for potential bugs before it is made live and is accessible to public. Web Testing checks for functionality, usability, security, compatibility, performance of the web application or website.

My testing procedure on how I tested my website is simply running a free website speed test from multiple locations around the globe using real browsers (**Firefox** and **Chrome**) and at real consumer connection speeds. You can run simple tests or perform advanced testing including multi-step transactions, video capture, content blocking.

I used three validation tools, the first validation tool was called AChecker to check for HTML pages for conformance with accessibility standards to ensure that the content is accessible for everyone, second one called W₃C validator only to check the HTML files and CSS files and I used WAVE Web Accessibility Evaluation Tool to make sure I have the right colours for this website: https://nzlover.net.

Testing

What is the name and URL of the testing tool you choose to use?

WAVE Web Accessibility Evaluation Tool: https://wave.webaim.org/

What accessibility guidelines does the tool follow?

WAVE supports optimal accessibility. They have added numerous tests for accessibility, including many checks for compliance issues found in the Section 508 and WCAG 2.1 guidelines. WAVE also checks some issues that extend beyond these guidelines that we know impact end users with disabilities. The documentation for each icon will indicate any relevant WCAG guidelines.

WAVE helps its users better evaluate the things that automatic tools cannot check. For example, WAVE cannot tell you if your alternative text is equivalent and appropriate, so it instead reveals the alternative text so it can be evaluated by the WAVE user. Using WAVE can help you determine if your site is both accessible AND compliant.

Describe the modifications you needed to make to your page in order to pass the test.

To pass the test, the modifications of WAVE indicates a sidebar to see if it has any errors or not. The absence of errors DOES NOT mean your page is accessible or compliant. RED icons indicate accessibility errors that need to be fixed. GREEN icons indicate accessibility features - things that probably improve accessibility (though these should be verified). The other icons and indicators, particularly the yellow alert icons, highlight other elements that you should look at. WAVE brings the underlying accessibility information of a page to the forefront so it can be easily evaluated in context.

The goal should not be to get rid of all icons, except for the errors which may represent an end user issue but must be manually assessed. Other icons are presented to facilitate human analysis of accessibility and structure of the page.

Would you recommend using this tool to verify compliance with accessibility guidelines? Why or why not?

Yes, I would recommend using this tool to verify compliance with accessibility guidelines as it is very convenient and very easier to use.

Standards

Identify the Local and Global standards used in your website (Summarise the WCAG 2.0 standards applicable to your website).

W₃Org: It is important to note that, in this standard, the term "Web page" includes much more than static HTML pages. It also includes the increasingly dynamic Web pages that are emerging on the Web, including "pages" that can present entire virtual interactive communities. For example, the term "Web page" includes an immersive, interactive movie-like experience found at a single URI.

Legislations & Regulations

Explain how your website adheres to the national regulations and legislation. (Summarise the Australia's legislation applicable to your website).

The National Law and National Regulations outline the legal obligations of approved providers, nominated supervisors, and educators and explain the powers and functions of the state and territory regulatory authorities.

Review

Scope of Review

Name of Website: New Zealand

Based URL of site: https://nzlover.net

URL's included in review: https://nzlover.net

URL's excluded from review: Folder itself.

Exact date, or range of dates on which review conducted: 24/11/2020

Natural language(s) of Web site: English

Reviewers

Name of reviewer or review team, unless anonymous: Saish Kothare

Organisation with which reviewer(s) is/are affiliated, if relevant and if not anonymous: North Metropolitan TAFE

Contact information for reviewer(s) or reviewer(s) organization, unless anonymous: Ph: 0498682869 Email: saish.kothare@gmail.com

Reviewer(s) areas of expertise, by reference to "expertise of review teams" in Review Teams for Evaluating Web Site Accessibility:

Natural language(s) with which reviewer(s) is/are fluent, or familiar: English

Review Process

Identify WCAG 2.0 Level for which conformance was tested, e.g. WCAG 2.0 Level A, Double A, Triple A: W3C Validator

Used WCAG 2.0 checklist: Yes

W₃CValidator Check-up

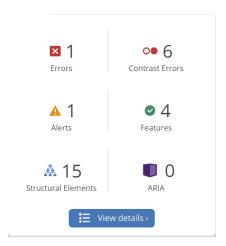
index html·

macantini.
Nu Html Checker
The ball of the second second is below 1774 at all the second sec
This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change
Showing results for uploaded file index.html
Checker Input
Show source outline image report Options
Check by file upload ✓ Choose File No file chosen
Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.
Check
Document checking completed. No errors or warnings to show.
Used the HTML parser.
Total execution time 6 milliseconds.
About this checker - Benort an issue - Version: 20.11.23
COURT AND ADDRESS 1 TANDESS OF COURT BOWN TO THE COURT BOWN THE COURT BOWN TO THE CO
about.html:
about.ntm.
N. III. I O. I
Nu Html Checker
This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change
Showing results for uploaded file about him.
Snowing results for uploaded life about.ntml Checker Input
Show source outline image report Options
Check by file upload ▼ Choose File No file chosen
Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.
Check
Document checking completed. No errors or warnings to show.
Used the HTML parser.
Total execution time 32 milliseconds.
About this checker • Report an issue • Version: 20.11.23
city.html:
Nu Html Checker
This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change
Showing results for uploaded file city.html
Checker Input
Show (source outline image report) Options
Check by Tite upload ~ Choose File No file chosen
Uploaded files with xhtml or xht extensions are parsed using the XML parser.
Check
Document sheeking completed. No arrors or varieties to show
Document checking completed. No errors or warnings to show. Used the HTML parser.
use time trivini, partier. Total execution with 478 milliseconds.
About this checker • Report an issue • Version: 20.11.23
booknow.html:
DOOKHOW.HUIII.
No. 1 Bard Charden
Nu Html Checker
This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change
Showing results for uploaded file booknow.html
Checker Input
Show ourse outline mage report Options
Check by [file upload v] Choose File No file chosen
Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.
Check
Document checking completed. No errors or warnings to show.
Used the HTML parser.
Total execution time 11 milliseconds.

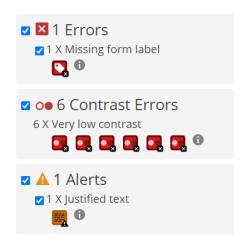
About this checker • Report an issue • Version: 20.11.23

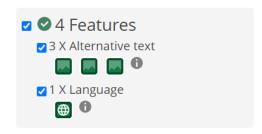
WAVE Results: https://nzlover.net/

Summary

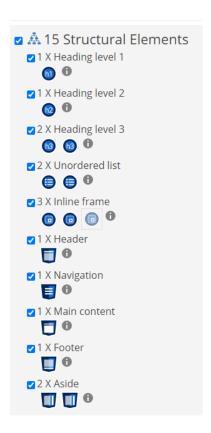


Details

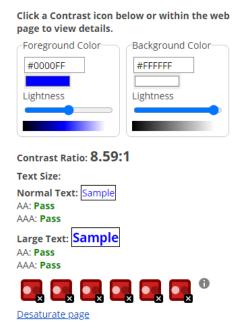




Structure



Contrast



Identify evaluation and validation tools used:

AChecker: https://achecker.ca/checker/index.php

W₃C Validator: https://validator.w3.org/

Description of manual reviews used:

Template for Accessibility Evaluation Reports: https://www.w3.org/WAI/test-evaluate/report-template/

Summary

Summarise the outcome of your testing (Summarise the results of the testing including errors and any passing code).

W₃C Validator: No Errors/Passing Code

Summarise changes (Summarise how you solved the testing errors).

I solved the testing errors by simply using W₃C Validator to see if there is any errors in the HTML or CSS page.

<u>Summarise recommendations</u> (<u>Summarise any ideas you never implemented for your website</u>. What are some ideas to improve this website?).

Always use W₃C Validator to correct any HTML/CSS page.

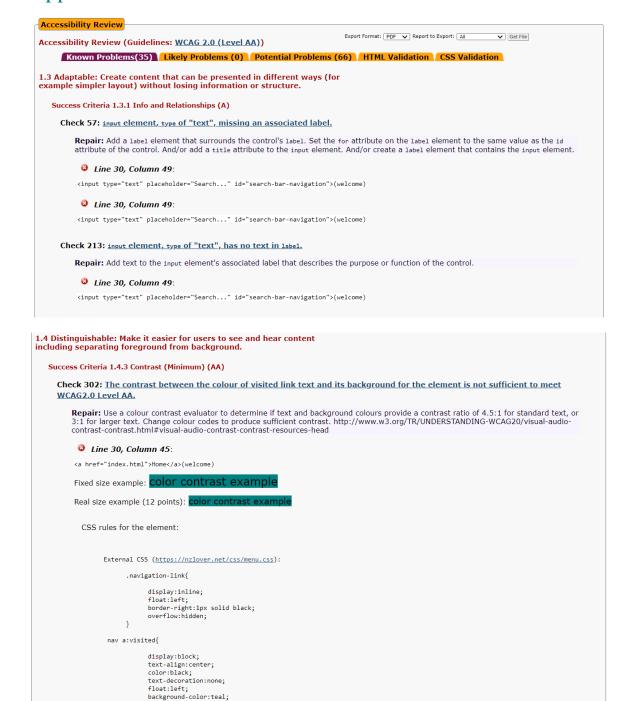
Results & Recommended Actions

The name of the website I reviewed was New Zealand (https://nzlover.net). This website has supported HTML tags. The attributes are up to date on all the pages. All pages have character encoding inside the meta tag. All the pages have a lang attribute and have a CSS file that goes with the CSS folder.

There is a main content skip with the tabindex attribute on each tag element. There is a <!doctype> declaration on the pages to make the pages work correctly. This website has been published through FTP as this website is live on the browsers. There is also semantic HTML tags to display the correct page layouts and clearfloats to extend the layout of the pages down with the amount of content.

My Recommendation would be to design the website with the correct semantic elements. Create the CSS folder with its own CSS file and the Images folder stored their own images on it. Add accessible attributes such as tabindex and enable tabbing through the website. Make the links accessible with the keyboard by using the attribute accesskey. If there is a table involved, just use the scope attribute to identify whether a header cell is a header for a column, row or a group of columns or rows.

Appendices



padding:10px 46px 13px 46px;

```
Line 30, Column 45:

<a href="city.html">City</a>(welcome)

Fixed size example:

Real size example (12 points): color contrast example

CSS rules for the element:

External CSS (https://nzlover.net/css/menu.css):

.navigation-link(

display:inline;
float:left;
borden-right:lpx solid black;
overflow:hidden;
}

nav a:visited(

display:block;
text-align:center;
color:black;
text-decoration:none;
float:left;
background-color:teal;
padding:10px 46px 13px 46px;
}
```

```
Line 30, Column 64:

<a href="about.html">About</a>(welcome)

Fixed size example:

Color contrast example

Real size example (12 points): color contrast example

CSS rules for the element:

External CSS (https://nzlover.net/css/menu.css):

#navigation-links-footer{

display:inline-block;
margin:auto;
list-style-type:none;
padding:lopx;
}

.navigation-link-footer a:visited{

display:inline-block;
color:ghostwhite;
text-decoration:none;
}

footer{

borden:3px solid red;
width:96%;
margin:9px;
padding:9px;
float:left;
background-color:cadetblue;
}
```

```
Cine 30, Column 43:

<a href="findability-homepage.html">Findability</a>>(welcome)

Fixed size example: COLOT CONTRAST example

Real size example: CSS rules for the element:

External CSS (https://nzlover.net/css/menu.css):

#navigation-links-footer{

display:inline-block;
margin:auto;
list-style-type:none;
padding:l0px;
}

.navigation-link-footer a:active{

text-decoration:underline;
font-weight:bolder;
color:#3ED04A;
}

footer{

border:3px solid red;
width:96%;
margin:9px;
padding:9px;
padding:9px;
float:left;
background-color:cadetblue;
}
```

```
1 Line 30, Column 64:
<a href="Assessment-2-Bikes-Mania-Shop/CMS/index.php">CMS</a>(welcome)
Fixed size example: color contrast example
Real size example (12 points): color contrast example
  CSS rules for the element:
         External CSS (https://nzlover.net/css/menu.css):
                #navigation-links-footer{
                       display:inline-block;
margin:auto;
list-style-type:none;
                       padding:10px;
         .navigation-link-footer a:active{
                       text-decoration:underline;
                       font-weight:bolder;
color:#3ED04A;
          footer{
                       border:3px solid red;
width:96%;
min-height:250px;
margin:9px;
padding:9px;
                       float:left;
background-color:cadetblue;
```

Check 304: The contrast between the colour of selected link text and its background is not sufficient to meet WCAG2.0 Level AA.

Repair: Use a colour contrast evaluator to determine if selected link text and background colours provide a contrast ratio of 4.5:1 for standard text, or 3:1 for larger text. Change colour codes to produce sufficient contrast. http://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-contrast.html#visual-audio-contrast-contrast-resources-head

2 Line 30, Column 64:

Home(welcome)

Fixed size example: color contrast exam

Real size example (12 points): color contrast exa

CSS rules for the element:

```
External CSS (https://nzlover.net/css/menu.css):
```

```
#navigation-links-footer{
               display:inline-block;
              margin:auto;
list-style-type:none;
              padding:10px;
.navigation-link-footer a:hover{
               text-decoration:underline;
               font-weight:bolder;
               color:red;
      }
 footer{
               border:3px solid red;
              width:96%;
min-height:250px;
margin:9px;
              padding:9px;
float:left;
background-color:cadetblue;
```

```
Line 30, Column 64:

<a href="about.html">About</a>(welcome)

Fixed size example:

Real size example (12 points):

External CSS (https://nzlover.net/css/menu.css):

#navigation-links-footer{

display:inline-block;

margin:auto;

list-style-type:none;

padding:l@px;
}

.navigation-link-footer a:hover{

text-decoration:underline;
foot-weight:bolder;
color:red;
}

footer{

border:3px solid red;
width:96%;
margin:3px;
padding:9px;
float:left;
background-color:cadetblue;
}
```

```
    Line 30, Column 64:
    <a href="booknow.html">Book Now</a>(welcome)

Fixed size example:

Real size example:

External CSS (https://nzlover.net/css/menu.css):
    #navigation-links-footer{
         display:inline-block;
         nargin:auto;
         list-style-type:none;
         padding:10px;
    }

.navigation-link-footer a:hover{
         text-decoration:underline;
         font-weight:bolder;
         color:red;
    }

footer{
        border:3px solid red;
        uidth:96%;
        uin-height:250px;
        nargin:9px;
        padding:9px;
        float:1eft;
        background-color:cadetblue;
    }
}
```

```
Line 30, Column 64:

<a href="Assessment-2-Bikes-Mania-Shop/CMS/index.php">CMS</a>(welcome)

Fixed size example:

Real size example (12 points):

External CSS (https://nzlover.net/css/menu.css):

#navigation-links-footer{

display:inline-block;

mangin:auto;

list-style-type:none;

padding:i0px;
}

.navigation-link-footer a:hover{

text-decoration:underline;

font-weight:bolder;

color:red;
}

footer{

border:3px solid red;

width:96%;

mangin:3px;

pagin:3px;

pagin:3px;

pagin:3px;

pagin:5px;

pagin:5p
```

```
1 Line 30, Column 45:
<a href="index.html">Home</a>(welcome)
Fixed size example: color contrast example
Real size example (12 points): color contrast example
  CSS rules for the element:
         External CSS (https://nzlover.net/css/menu.css):
                 .navigation-link{
                        display:inline;
float:left;
border-right:1px solid black;
overflow:hidden;
                 }
           nav a:link{
                        display:block;
color:black;
text-align:center;
text-decoration:none;
                        float:left;
background-color:cyan;
padding:9px 46px 12px 46px;
         External CSS (https://nzlover.net/css/stylesheet2.css):
                        max-width:1050px;
border:3px solid blue;
                         padding:9px;
                        margin:auto;
background-color:darkblue;
float:none;
```

```
3 Line 30, Column 45:
<a href="about.html">About</a>(welcome)
Fixed size example: color contrast example
Real size example (12 points): color contrast example
 CSS rules for the element:
         External CSS (https://nzlover.net/css/menu.css):
                 .navigation-link{
                        display:inline;
                        float:left;
border-right:1px solid black;
                        overflow:hidden;
                }
          nav a:link{
                       display:block;
color:black;
text-align:center;
text-decoration:none;
float:left;
background-color:cyan;
padding:9px 46px 12px 46px;
         External CSS (https://nzlover.net/css/stylesheet2.css):
                 #outer{
                        max-width:1050px;
border:3px solid blue;
padding:9px;
                        margin:auto;
background-color:darkblue;
                        float:none;
```

```
3 Line 30, Column 45:
<a href="city.html">City</a>(welcome)
Fixed size example: color contrast example
Real size example (12 points): color contrast example
 CSS rules for the element:
         External CSS (https://nzlover.net/css/menu.css):
                .navigation-link{
                        display:inline;
                       float:left;
border-right:1px solid black;
overflow:hidden;
          nav a:link{
                       display:block;
                       color:black;
text-align:center;
text-decoration:none;
                       float:left;
background-color:cyan;
padding:9px 46px 12px 46px;
         External CSS (https://nzlover.net/css/stylesheet2.css):
                #outer{
                       max-width:1050px;
border:3px solid blue;
padding:9px;
margin:auto;
                        background-color:darkblue;
                        float:none;
```

```
Line 30, Column 4:

ch2:Welcome to New Zealandc/h2>(welcome)
Fixed size example: Color contrast example

Real size example (26.52 points): Color Contrast example

CSS rules for the element:

External CSS (https://nzlover.net/css/stylesheet2.css):
    h2{
        display:block;
        padding:l0px;
        font-size:35px;
        text-shadow:3px 3px black;
    }

main{
        width:96%;
        min-height:700px;
        border:3px solid azure;
        float:left;
        margin:9px;
        padding:3px;
        background-color:blue;
}
```

```
Cine 30, Column 7:

⟨h3>New Zealandx/h3>⟨welcome⟩

Fixed size example: Color Contrast example

Real size example (18.94 points): Color contrast example

CSS rules for the element:

External CSS (https://nzlover.net/css/menu.css):

h3{

display:inline-block;
padding:l0px;
color:white=moke;
font-size:25px;
font-weight:bolder;
}

footer{

border:3px solid red;
width:96%;
min-height:250px;
margin:9px;
padding:9px;
float:left;
background-color:cadetblue;
}
```

References

- *IDI Web Accessibility Checker : Web Accessibility Checker.* (n.d.). Retrieved from ACHECKER: https://achecker.ca/checker/index.php
- Markup Validation Service. (n.d.). Retrieved from W₃C: https://validator.w₃.org/
- *W*₃*C*. (2008, December 11). Retrieved from Web Content Accessibility Guidelines (WCAG) 2.0: https://www.w₃.org/TR/WCAG₂₀/
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- WAVE Web Accessibility Evaluation Tool. (n.d.). Retrieved from WAVE: https://wave.webaim.org/