¿Cómo revisar si mi sitio web es accesible?

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Su usuario más importante es ciego. La mitad de las visitas a su sitio vienen de Google, y Google sólo ve lo que una persona ciega puede ver. Si su sitio no es accesible, tendrás menos visitas. Fin de la historia.

-¿Qué son las discapacidades?

-Leyes y otras obligaciones con respecto a la accesibilidad.

-Standard WCAG A AA AAA

-Herramientas

Accesibilidad web

A grandes rasgos, cuando decimos que un sitio es accesible, queremos decir que el contenido del sitio está disponible y, literalmente, cualquiera puede manejar su funcionalidad.

Discapacidades

Física

Se refiere a las personas con dificultad de movilidad Paraplejia, tetraplejia, embarazo, vejez, temporales

Sensorial

Se refiere a las personas con deficiencia Visual o Auditiva

Psicosocial

Se refiere a las personas con trastornos como Depresión, esquizofrenia, bipolaridad, pánico.

Cognitiva

Se refiere a las personas con problemas como Memoria, dyslexia , DA, Farmacos o Drogas, Edad Avanzada

	Circunstancial	Temporal	Permanente
Visual		traumatismo de cráneo	ceguera
Motriz	carga un bebé	brazo lesionado, LER*	LER*
Auditiva	oficina ruidosa		
Cognitiva		traumatismo de cráneo	

*Lesiones por esfuerzo repetitivo: p. ej., síndrome de túnel carpiano, codo de tenista, dedo martillo

Leyes y otras obligaciones con respecto a la accesibilidad.

La mayoría de los países establecen leyes que protegen los derechos civiles de las personas discapacitadas (LEY 7600 CR) Directriz Sitios Web Accesibles emitida el 25 de junio 2019

CL&F

Section 508

DDA

BITV

PubliAcceso

LSI

JIS

DDA

WCAG de W3C - WAI

Estándar WCAG by W3C

WCAG 2.0 = 2008
WCAG 2.1 = 2018 (mobile First)
WCAG 2.2 = 2021
Tienen de 12 a 13 pautas que se organizan bajo 4 principios: perceptible, operable, comprensible y robusto. Para cada directriz, existen criterios de éxito comprobables, que se encuentran en tres niveles: A, AA y AAA.

Perceptible
Alternativas de texto para imágenes
Subtítulos para multimedia
Responsive

Operables
Funcional teclado
Tiempo suficiente para leer contenido
No provoca convulsiones ni reacciones físicas
Legibilidad de contenido.

Comprensible
Texto es legible
Contenido predecible
Se ayuda a evitar y corregir errores

Robusto
Compatible dispositivos / futuro

Nivel A

1.1.1 Contenido no textual
1.2.1 Sólo audio y sólo vídeo (grabado)
1.2.2 Subtítulos (grabados)
1.2.3 Audiodescripción o Medio Alternativo (grabado)
1.3.1 Información y relaciones
1.3.2 Secuencia significativa
1.3.3 Características sensoriales
1.4.1 Uso del color
1.4.2 Control del audio
2.1.1 Teclado
2.1.2 Sin trampas para el foco del teclado
2.2.1 Tiempo ajustable
2.2.2 Poner en pausa, detener, ocultar

2.3.1 Umbral de tres destellos o menos
2.4.1 Evitar bloques
2.4.2 Titulado de páginas
2.4.3 Orden del foco
2.4.4 Propósito de los enlaces (en contexto)
3.1.1 Idioma de la página
3.2.1 Al recibir el foco
3.2.2 Al recibir entradas
3.3.1 Identificación de errores
3.3.2 Etiquetas o instrucciones
4.1.1 Procesamiento
4.1.2 Nombre, función, valor

Nivel A

Navegación con tecla Tab

Imágenes con descripción

Videos con subtitulos

Contraste de color

Responsive   200%

Google Chrome

13

https://wordpress.org/

98   96   85

96

Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Contrast — These are opportunities to improve the legibility of your content.

⚠ Background and foreground colors do not have a sufficient contrast ratio.   ⌄

Navigation — These are opportunities to improve keyboard navigation in your application.

⚠ Heading elements are not in a sequentially-descending order   ⌄

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover.   ⌄
Learn more in our guide on conducting an accessibility review.

ANDI

ANDI (Accessible Name & Description Inspector) es una herramienta gratuita para probar la accesibilidad del contenido web.
https://www.ssa.gov/accessibility/andi/help/install.html
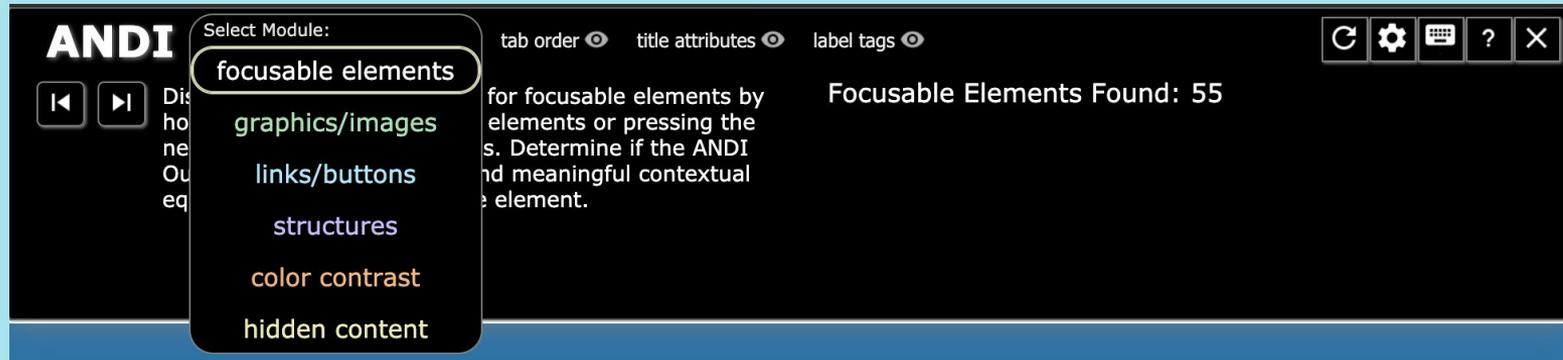
ANDI focusable elements ▾   tab order ◉

Element: `<button>`
Accessibility Components: 1
  innerText: Accept Cookies

ANDI Output:
👤 Accept Cookies

Focusable Elements Found: 29
Accessibility Alerts: 2
  • Elements with No Accessible Name: (2)

Advanced Settings:
☑ Element Highlights
☑ Linearize Page
☐ Minimode

Skip to main content

✕

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ACCEPT COOKIES

COOKIE SETTINGS

Join the community at   **Drupal.org ▶**

Why Use Drupal?

Who Uses Drupal?

Get Started

Drupal™

Hotkeys:
ctrl+alt+
= Relaunch
. Next Element
, Prev Element
/ Active Element
' ANDI Output
` Section Jump
Hover Lock:
hold shift

16

ANDI focusable elements ▾ tab order 👁

Discover accessibility markup for focusable elements by hovering over the highlighted elements or pressing the next/previous element buttons. Determine if the ANDI Output conveys a complete and meaningful contextual equivalent for every focusable element.

Focusable Elements Found: 29
Accessibility Alerts: 2
- Elements with No Accessible Name: (2)
  1. ⚠ Link has no accessible name, innerText, or [title].
  2. ⚠ Link has no accessible name, innerText, or [title].

2 ✕

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4 ACCEPT COOKIES

3 COOKIE SETTINGS

5 7 Why Use Drupal? 8 Who Uses Drupal? 9 Get Started Join the community at 6 **Drupal.org** ▶

ANDI focusable elements ▾ tab order 👁 title attributes 👁 label tags 👁

Element: <a>
Accessibility Components: 1
    innerText: Get Involved

ANDI Output:
    👤 Get Involved

Focusable Elements Found: 55

WORDPRESS.ORG

Showcase Themes Plugins Mobile Support Get Involved About Blog Hosting

<label for=global-search> </label>
Search WordPress.org 🔍
Get WordPress

WORDPRESS.ORG

Showcase Themes Plugins Mobile Support Get Involved About Blog Hosting

Search WordPress.org 🔍
Get WordPress

title=How five percent is powering the next generation of the web Five for the Future

17

cANDI color contrast ▾ grayscale

⟲ ⚙ ⌨ ? ✕

Element: <a>
Contrast Ratio: 3.92:1 **FAIL** Min Req: 4.5:1
Style:
Text Color: #0073aa
Background: #c7e8ca
Font: 10pt
Suggested Text Color: #00689f

Alerts: ⚠ Text does not meet minimum AA contrast ratio (4.5:1).

Elements Containing Text: 74
+ show contrast playground
Accessibility Alerts: 10
• Contrast Alerts: (7)
1. ⚠ Text does not meet minimum AA contrast ratio (4.5:1).
2. ⚠ Text does not meet minimum AA contrast ratio (4.5:1).
3. ⚠ Text does not meet minimum AA contrast ratio (4.5:1).
4. ⚠ Text does not meet minimum AA contrast ratio (4.5:1).

WordPress is also available in Español

cANDI color contrast ▾ grayscale

⟲ ⚙ ⌨ ? ✕

Element: <a>
Contrast Ratio: 3.92:1 **FAIL** Min Req: 4.5:1
Style:
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Font: 10pt
Suggested Text Color: #00689f

Alerts: ⚠ Text does not meet minimum AA contrast ratio (4.5:1).

Elements Containing Text: 74
− hide contrast playground
Contrast Playground:
Enter two hex color values to get the contrast ratio.
#00689f / #c7e8ca = 4.55:1
Arrow keys adjust brightness: ↑ lightens, ↓ darkens.

WordPress is also available in Español

21

Asistente de LEVEL ACCESS
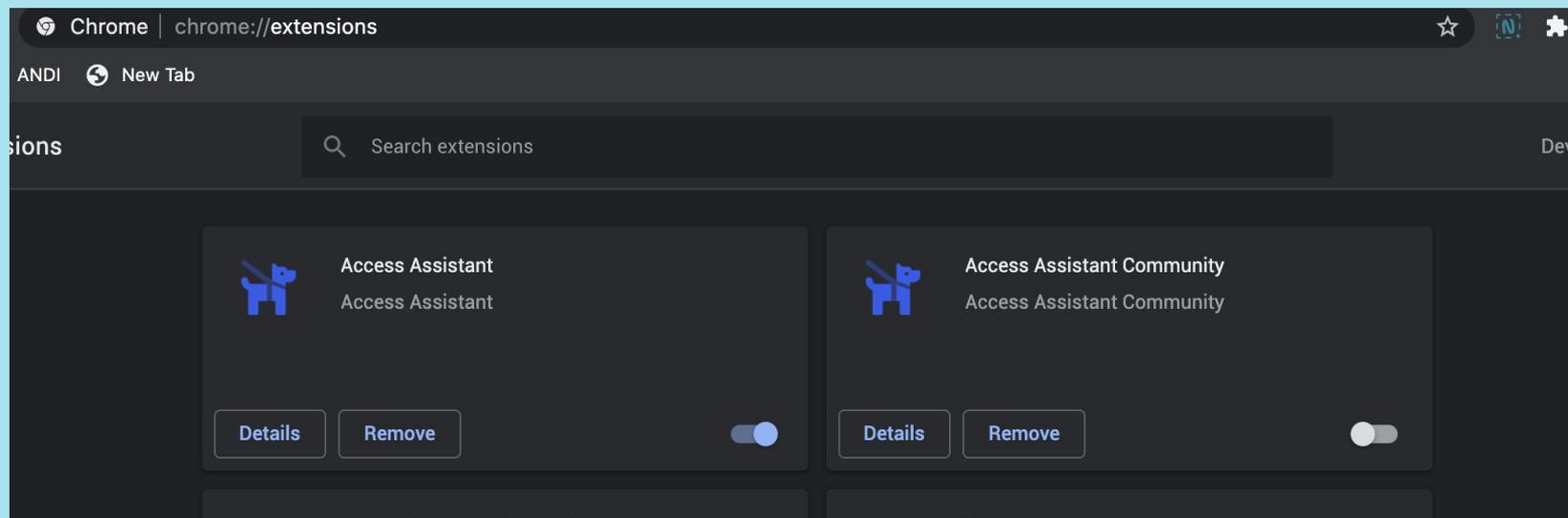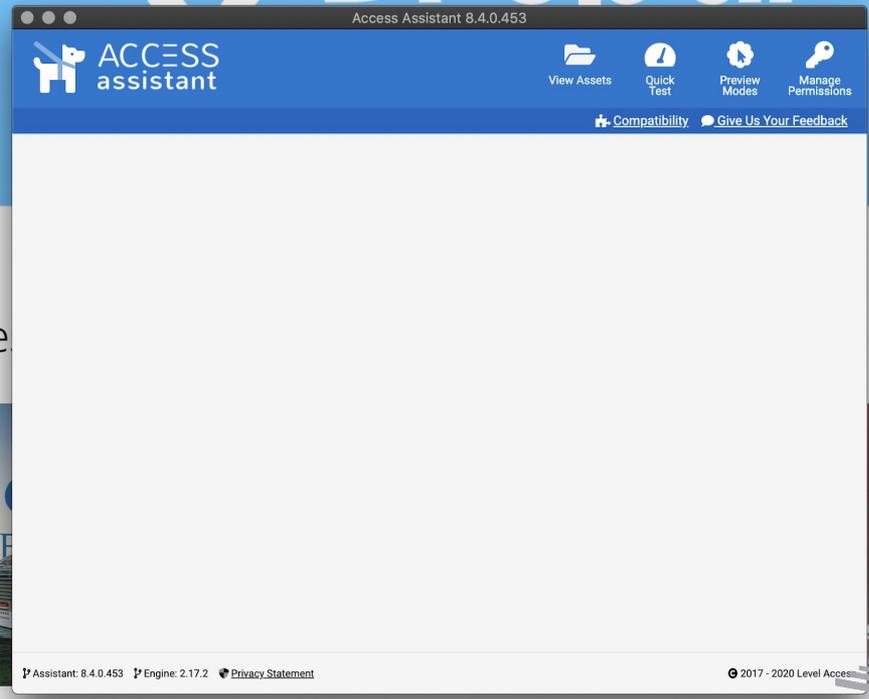
Why Use

INNOVA

A Platfo
innovati

Drupal enables conti
innovation at leading
Weather.com and NE
Drupal, marketers ar
create and manage g
social experiences. A
and adapt quickly tha
innovation and ideas
community.

Access Assistant 8.4.0.453

Confirm Node Selection

Confirm your node selection below or select a child node to refine your node selection.

Search HTML
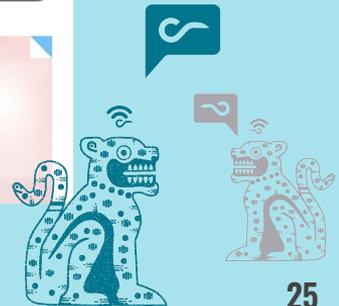
```
<div class="row clearfix anchor-tag" id="why-use-drupal" data-la-node-highlight="
    <div class="clearfix" >
    </div>
    <h2 >
        Why Use Drupal?
    </h2>
    <div class="col-sm-4" >
        <img alt="" data-editor-file-uuid="beb0b7b7-c306-4aac-b600-f5236cdd1183" sr
        </img>
        <h4 >
            Innovation
        </h4>
        <p class="text-xlarge" >
            A Platform for digital innovation and ideas
        </p>
        <p >
            Drupal enables continuous digital innovation at leading organizations li
        </p>
    </div>
    <div class="col-sm-4" >
        <img alt="" data-editor-file-uuid="11388e09-c920-4a0b-9700-b02252eb6843" sr
        </img>
```

Assistant: 8.4.0.453   Engine: 2.17.2   Privacy Statement   © 2017 - 2020 Level Access

LABILITY

ld's busiest sites
on Drupal

rise-ready for the world's
like GRAMMY.com and The
failure is not an option.
ust supporting high traffic
scale with your business
for your next-generation
ation and allow you to
road without skipping a

Why Use Drupal?   Who Uses Drupal?   Get Started

Join the community at   **Drupal.org** ▶

Confirm Node Selection   ✕

Confirm your node selection below or select a child node to refine your node selection.

Search HTML

```
<div class="container" data-la-node-highlight="on" >
    <div class="region region-logo" >
        <div id="block-sitebranding" class="block block-system block-system-brandin
            <a href="/" rel="home" class="site-logo" >
                <img src="/themes/drupalcom/logo.png" alt="Home" class="" >
                </img>
            </a>
        </div>
    </div>
    <div class="navbar-toggle nav-collapsed" >
        <div class="toggle-icon" >
            Toggle navigation
            <span class="icon-bar" >
            </span>
            <span class="icon-bar" >
            </span>
            <span class="icon-bar" >
            </span>
        </div>
    </div>
    <div class="region region-navigation" >
        <div id="block-joindrupalorg" class="block block-block-content block-block-
```

Who Us

Sites by industry ▶

chrome-extension://ojiighldhdmahfdnhfdebnpmlbiemdfm/popup.html#

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What Users Are Saying

Access Assistant 8.4.0.453

ACCESS
assistant

View Assets   Quick Test   Preview Modes   Manage Permissions

▶ **Preview Modes**   ✖

🔵 **Toggle CSS**

Toggle CSS on and off on the page to ensure the page is readable without style sheets.

🖼 **Background Images**

Toggle background images on the page on and off to ensure meaning is not lost when background images are not visible.

🖼 **Images**

Highlight images on the page and evaluate their accessible name to determine whether they are correctly marked up for accessibility.

📋 **Lists**

Highlight Lists on the page to ensure all list items are related, option elements in large lists are grouped, and sub-lists are marked up properly.

▬ **iframes**

Highlight <iframes> on the page to easily identify them at a glance and determine whether or not the iframe has a useful accessible name that accurately conveys the contents of the iframe.

🅷 **Headings**

Highlight headings on the page to review the page structure and ensure that all headings

Drupal is a s... platform up... can build the... ecosystem."

Juha Karonen
CTO, Mirum

...com has been live on Drupal ...y of last year and it has been ...ar product."

...Development,
...her Company

Get started with Drupal by downloading it yourself, or work with design

‡ Assistant: 8.4.0.453 ‡ Engine: 2.17.2 🔒 Privacy Statement   ⓒ 2017 - 2020 Level Access

H2 Developed everywhere for people anywhere ▲

Try Drupal ▶

The Drupal commun...

Access Assistant 8.4.0.453

ACCESS
assistant

View Assets   Quick Test   Preview Modes   Manage Permissions

▶ Preview Modes

← Mode: Headings

Toggle Highlight On   Highlight All Headings

Tag	Details	
<h2/>	<h2 class="visually-hidden" id="block-megamenu-… "> Mega Menu </h2>	👁
<h2/>	 Who Uses Drupal? 	👁
<h3/>	<h3 > 2,900 sites on Drupal </h3>	👁
<h3/>	 Resiliency for GRAMMYs biggest night 	👁

⚡ Assistant: 8.4.0.453   ⚡ Engine: 2.17.2   🔒 Privacy Statement   © 2017 - 2020 Level Access

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Tota11y de Khan Academy

⚠ 2.89 (?)

WORDPRESS.ORG

12.81

⚠ 1.53 (?) dPress.org

⚠ 2.25 (?)

⚠ 3.57 (?) ordPress

...vcase Learn Themes Plugins Mobile Support Get Involved About Blog Hosting

5.21

Meet WordPress

WordPress is open source software you can use to create a beautiful website, blog, or app.

5.21

Headings
Highlights headings (<h1>, <h2>, etc) and order violations

✓ **Contrast**
Labels elements with insufficient contrast

WordPress is also available in ⚠ 3.92 (?)

Link text
Identifies links that may be confusing when read by a screen reader

⚠ 3.62 (?)
This contrast is insufficient at this size.

...designs, powerful features, and the freedom to anything you want. WordPress is both free and priceless a... same time.

Labels
Identifies inputs with missing labels

Image alt-text
Annotates images without alt text

Landmarks
Labels all ARIA landmarks

EXPERIMENTAL

Screen Reader Wand
Hover over elements to view them as a screen reader would

Contrast Annotate: ☑ ✕

⌄ **Insufficient contrast ratio (2.89 < 4.5)** 🔲 / ⬛ 🔍

The color combination #21759b/#23282d has a contrast ratio of **2.89**, which is not sufficient. At this size, you will need a ratio of at least **4.5**.

Consider using the following foreground/background combination:

#6593b2/#23282d 🔲 / ⬛ has a ratio of **4.51**
Preview: ☐

Relevant code:

```
<a class="skip-link screen-reader-text"
href="#home-welcome" style="color: rgb(33,
```

Errors 🔴 11

35

WORDPRESS.ORG

Search WordPress.org

Showcase ⚠ (?) Themes Plugins Mobile Support Get Involved ⚠ (?) ...ut Blog Hosting

Link text "Learn" is unclear

Get WordPress

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EXPERIMENTAL

Screen Reader Wand
Hover over elements to view them as a screen reader would

Link text   Annotate: ☑ ✕

˅ Link text is unclear 🔍

The text *"Learn"* is unclear without context and may be confusing to screen readers. Consider rearranging the `<a>` `</a>` tags or including special screen reader text.

Relevant code:

```
<a href="//learn.wordpress.org/" data-
title="Resources to help you learn more
about WordPress and teach it to
others.">Learn</a>
```

> Link text is unclear 🔍

> Link text is unclear 🔍

Errors ④

The works of Berthe Morisot, 1800s-era French painter

https://wordpress.org/#

36
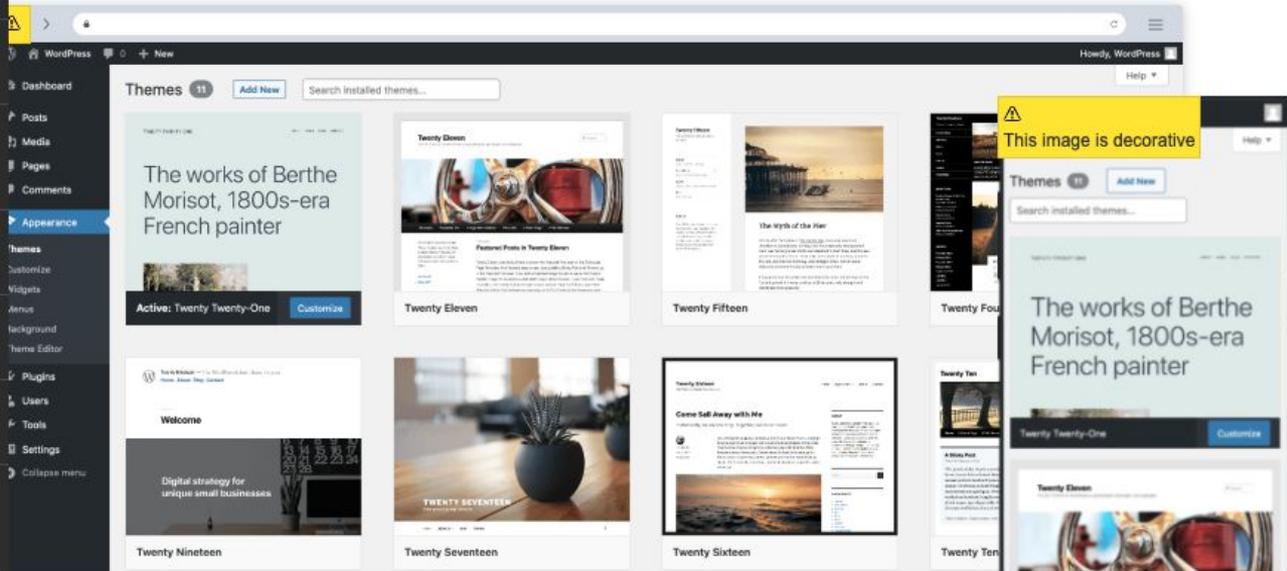
Beautiful designs, powerful features, and the freedom to build anything you want. WordPress is both free and priceless at the same time.

¡Hagamos que la Web sea más accesible!

A continuación, se muestran algunos recursos y herramientas de accesibilidad web:

- aXe by Deque
- Cypress-axe
- eslint-plugin-jsx-a11y
- Lighthouse
- Accessibility Insights for Web
- WAVE
- Color Contrast Analyzer
- Firefox Web Developer Extension
- Chrome Accessibility Inspector
- Chrome Color Contrast Debugger
- Protractor Accessibility Plugin
- Accessibility Support matrix
- Voiceover
- NVDA
- JAWS

- Reactjs.org
- Emberjs.com
- Angular.io
- React Native
- Ionic mobile framework
- A11y Project
- Deque University
- WebAIM
- Web Accessibility Initiative at the W3C
- Web Content Accessibility Guidelines
- ARIA Authoring Practices Guide
- The Rules of ARIA from the W3C
- Mobile Accessibility at W3C
- Web Accessibility for Designers
- A11y Style Guide
- Hacking Digital Styleguides for Accessibility by Tatiana T. Mac
- Google/Udacity Web Accessibility course

Quick Tips

Considere la accesibilidad durante el proceso de diseño

Asegúrese de que el contenido sea lógico y sencillo de entender

UEn caso de no usar ALT use : (role = "presentación" si es solo decoración)

Utilice un contraste de color suficiente entre el texto y el fondo (imagenes)

Proporcione un guión para el contenido de video (SEO)

Pruebe su sitio web al 200% del tamaño del browser

Utilice la estructura semántica HTML5 (head, content, articule, h1 h2 h3)
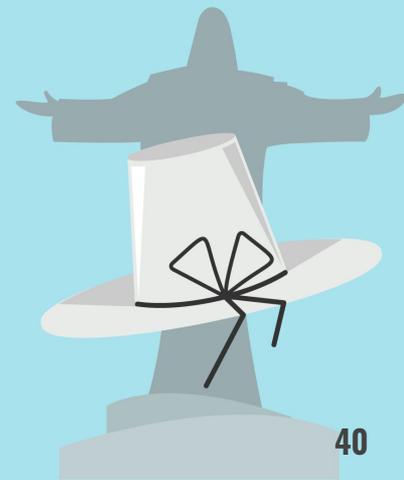
¿Tienes preguntas?

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- www.robertoremedios.com

Gracias!!!