

October 4, 2023

Audit Blue Billywig videoplayer WCAG 2.1 AA October 2023

Demo environment with the full options of the Blue Billywig player
Level AA

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Introduction

The Accessibility audit of Demo environment with the full options of the Blue Billywig player has been completed on October 4, 2023. This audit shows what content and functionality complies to the internationally accepted standard for accessibility (WCAG 2.1).

WCAG stands for Web Content Accessibility Guidelines. These are the international guidelines for creating accessible webcontent. The guidelines are divided into 4 principles (perceivable, operable, understandable, robust). Every guideline has in turn been divided into measurable success criteria. Because the WCAG is written from a technologically agnostic viewpoint, the accessibility of all the webcontent can be audited based on these success criteria.

The descriptions of these success criteria have been shortened in the audit. The complete description can be found in the [WCAG documentation](#). Although the WCAG norm is objective enough to complete audits based on it, it could be that the specific interpretations of the different success criteria can change slightly over time. This could result in a situation now being reported as passing a success criteria while failing it in future audits, and vice versa.

Assessment outcomes

The video player currently meets WCAG 2.1, Conformance Level AA. Of the 50 success criteria, we did not find any areas for improvement on any of the success criteria. Congratulations on the beautiful result!

The following data table shows a summary of the amount of success criteria that are currently being met: 50 of the 50 success criteria are marked as passed. The findings will be explained for each success criterion on the following pages.

	Level A	Level AA	Sum
Perceivable	9 / 9	11 / 11	20 / 20
Operable	14 / 14	3 / 3	17 / 17
Understandable	5 / 5	5 / 5	10 / 10
Robust	2 / 2	1 / 1	3 / 3
Sum	30 / 30	20 / 20	50 / 50

PRINCIPLE 1

Perceivable

Information and user interface components must be presentable to users in ways they can perceive.

GUIDELINE 1.1

Text alternatives

Provide text alternatives for any non-text content so that it can be changed into other forms people need, such as large print, braille, speech, symbols or simpler language.

SUCCESS CRITERION 1.1.1 (LEVEL A)

Non-text content

All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 1.2

Time-based Media

Provide alternatives for time-based media.

SUCCESS CRITERION 1.2.1 (LEVEL A)

Audio-only and Video-only (Prerecorded)

For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such:



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.2.2 (LEVEL A)

Captions (Prerecorded)

Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.2.3 (LEVEL A)

Audio Description or Media Alternative (Prerecorded)

An alternative for time-based media or audio description of the prerecorded video content is provided for synchronized media, except when the media is a media alternative for text and is clearly labeled as such.



The examined set of web pages meet this success criterion.

The video player has no functionality to play audio description other than video description contained in the standard audio track of the video. The video in the demo environment does not require audio description and therefore the player does not fail this success criteria. But please note that with other future videos, an audio description might need to be added to the video's standard audio track.



Explanation of this success criterion

SUCCESCRITERION 1.2.4 (LEVEL AA)

Captions (Live)

Captions are provided for all live audio content in synchronized media.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.2.5 (LEVEL AA)

Audio Description (Prerecorded)

Audio description is provided for all prerecorded video content in synchronized media.



The examined set of web pages meet this success criterion.

The video player has no functionality to play audio description other than video description contained in the standard audio track of the video. The video in the demo environment does not require audio description and therefore the player does not fail this success criteria. But please note that with other future videos, an audio description might need to be added to the video's standard audio track.



Explanation of this success criterion

GUIDELINE 1.3

Adaptable

Create content that can be presented in different ways (for example simpler layout) without losing information or structure.

SUCCESSCRITERION 1.3.1 (LEVEL A)

Info and Relationships

Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.3.2 (LEVEL A)

Meaningful Sequence

When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.3.3 (LEVEL A)

Sensory Characteristics

Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, color, size, visual location, orientation, or sound.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.3.4 (LEVEL AA)

Orientation

Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 1.3.5 (LEVEL AA)

Identify Input Purpose

The purpose of each input field collecting information about the user can be programmatically determined.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 1.4

Distinguishable

Make it easier for users to see and hear content including separating foreground from background.

SUCCECRITERION 1.4.1 (LEVEL A)

Use of Color

Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 1.4.2 (LEVEL A)

Audio Control

If any audio on a Web page plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 1.4.3 (LEVEL AA)

Contrast (minimum)

The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 1.4.4 (LEVEL AA)

Resize Text

Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 1.4.5 (LEVEL AA)

Images of text

If the technologies being used can achieve the visual presentation, text is used to convey information rather than images of text except for the following:



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 1.4.10 (LEVEL AA)

Reflow

Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 1.4.11 (LEVEL AA)

Non-text Contrast

The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s).



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.4.12 (LEVEL AA)

Text Spacing

In content implemented using markup languages that support the following text style properties, no loss of content or functionality occurs by setting all of the following and by changing no other style property.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 1.4.13 (LEVEL AA)

Content on hover or focus

Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

PRINCIPLE 2

Operable

User interface components and navigation must be operable.

GUIDELINE 2.1

Keyboard Accessible

Make all functionality available from a keyboard.

SUCCESCRITERION 2.1.1 (LEVEL A)

Keyboard

All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 2.1.2 (LEVEL A)

No Keyboard Trap

If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 2.1.4 (LEVEL A)

Character Key Shortcuts

If a keyboard shortcut is implemented in content using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters, a mechanism is available to turn the shortcut off or remap the shortcut key, for example the Ctrl or Alt key.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 2.2

Enough Time

Provide users enough time to read and use content.

SUCCESCRITERION 2.2.1 (LEVEL A)

Timing Adjustable

For each time limit that is set by the content, at least one of the following is true:



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 2.2.2 (LEVEL A)

Pause, stop, hide

For moving, blinking, scrolling, or auto-updating information, all of the following are true:



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 2.3

Seizures and Physical Reactions

Do not design content in a way that is known to cause seizures or physical reactions.

SUCCESCRITERION 2.3.1 (LEVEL A)

Three Flashes or Below Threshold

Web pages do not contain anything that flashes more than three times in any one second period, or the flash is below the general flash and red flash thresholds.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 2.4

Guideline 2.4 Navigable

Provide ways to help users navigate, find content, and determine where they are.

SUCCESSCRITERION 2.4.1 (LEVEL A)

Bypass Blocks

A mechanism is available to bypass blocks of content that are repeated on multiple Web pages.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 2.4.2 (LEVEL A)

Page Titled

Web pages have titles that describe topic or purpose.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 2.4.3 (LEVEL A)

Focus Order

If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 2.4.4 (LEVEL A)

Link Purpose (In Context)

The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context, except where the purpose of the link would be ambiguous to users in general.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 2.4.5 (LEVEL AA)

Multiple Ways

More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 2.4.6 (LEVEL AA)

Headings and Labels

Headings and labels describe topic or purpose.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 2.4.7 (LEVEL AA)

Focus Visible

Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 2.5

Input Modalities

Make it easier for users to operate functionality through various inputs beyond keyboard.

SUCCECRITERION 2.5.1 (LEVEL A)

Pointer Gestures

All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 2.5.2 (LEVEL A)

Annulering aanwijzer

For functionality that can be operated using a single pointer, at least one of the following is true:



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCECRITERION 2.5.3 (LEVEL A)

Label in Name

For user interface components with labels that include text or images of text, the name contains the text that is presented visually.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 2.5.4 (LEVEL A)

Motion Actuation

Functionality that can be operated by device motion or user motion can also be operated by user interface components and responding to the motion can be disabled to prevent accidental actuation.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

PRINCIPLE 3

Understandable

Information and the operation of user interface must be understandable.

GUIDELINE 3.1

Readable

Make text content readable and understandable.

SUCCESSCRITERION 3.1.1 (LEVEL A)

Language of Page

The default human language of each Web page can be programmatically determined.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 3.1.2 (LEVEL AA)

Language of Parts

The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 3.2

Predictable

Make Web pages appear and operate in predictable ways.

SUCCESSCRITERION 3.2.1 (LEVEL A)

On Focus

When any user interface component receives focus, it does not initiate a change of context.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 3.2.2 (LEVEL A)

On Input

Changing the setting of any user interface component does not automatically cause a change of context unless the user has been advised of the behavior before using the component.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 3.2.3 (LEVEL AA)

Consistent navigaton

Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 3.2.4 (LEVEL AA)

Consistent identification

Components that have the same functionality within a set of Web pages are identified consistently.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

GUIDELINE 3.3

Input Assistance

Help users avoid and correct mistakes.

SUCCESSCRITERION 3.3.1 (LEVEL A)

Error Identification

If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 3.3.2 (LEVEL A)

Labels or Instructions

Labels or instructions are provided when content requires user input.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 3.3.3 (LEVEL AA)

Error Suggestion

If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 3.3.4 (LEVEL AA)

Error Prevention (Legal, Financial, Data)

For Web pages that cause legal commitments or financial transactions for the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, at least one of the following is true:



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

PRINCIPLE 4

Robust

Content must be robust enough that it can be interpreted by a wide variety of user agents, including assistive technologies.

GUIDELINE 4.1

Compatible

Maximize compatibility with current and future user agents, including assistive technologies.

SUCCESSCRITERION 4.1.1 (LEVEL A)

Parsing

In content implemented using markup languages, elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique, except where the specifications allow these features.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESSCRITERION 4.1.2 (LEVEL A)

Name, Role, Value

For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined; states, properties, and values that can be set by the user can be

programmatically set; and notification of changes to these items is available to user agents, including assistive technologies.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

SUCCESCRITERION 4.1.3 (LEVEL AA)

Status Messages

In content implemented using markup languages, status messages can be programmatically determined through role or properties such that they can be presented to the user by assistive technologies without receiving focus.



The examined set of web pages meet this success criterion.

No problems were found.



Explanation of this success criterion

Assessment data

Client

Blue Billywig

Audit level

AA

Date of audit

October 4, 2023

Norm

The website is tested based on the WCAG 2.1 guidelines.

Evaluation method

For this audit the WCAG-EM evaluation method was used.

Scope of the audit

- The Blue Billywig videoplayer

Sample

The sample contains the following 2 pages.

- <https://tomkle.github.io/accessibility/index.html>
- <https://tomkle.github.io/accessibility/floating.html>

Used techniques

During this audit the assumption was made that all published techniques by the W3C are supported by accessibility.

Basic level of accessibility support

Common webbrowsers and assistive technology.

Browser versions used for this audit.

- **Mozilla FireFox 115.0.3**
- **Google Chrome Version 111.0.5563.64 (Official Build)**

Relied upon technology

- HTML5
- CSS
- ECMAScript 5
- DOM
- SVG
- WAI-ARIA