

WCAG 2.0

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Lo standard WCAG 2.1

- panoramica <https://www.w3.org/WAI/standards-guidelines/wcag/>
- le linee guida <https://www.w3.org/TR/WCAG21/>
- spiegazioni <https://www.w3.org/WAI/WCAG21/Understanding/intro#understanding-the-four-principles-of-accessibility>
- tecniche associate
<https://www.w3.org/WAI/WCAG21/Techniques/>

La struttura

- **Principi**
 - percepibilità
 - comprensibilità
 - operabilità
 - robustezza
- per ciascun principio: **linee guida** (es. fornire alternative testuali)
- per ciascuna linea guida: **criteri di successo** (es. fornire didascalie sincronizzate per audio incluso in media sincronizzati), suddivisi in A, AA, AAA
- **tecniche** sufficienti, suggerite, e contro-esempi

La struttura

Principles	Guidelines	Level A	Level AA	Level AAA
1. Perceivable	1.1 Text Alternatives	1.1.1		
	1.2 Time-based Media	1.2.1 – 1.2.3	1.2.4 – 1.2.5	1.2.6 – 1.2.9
	1.3 Adaptable	1.3.1 – 1.3.3		
	1.4 Distinguishable	1.4.1 – 1.4.2	1.4.3 – 1.4.5	1.4.6 – 1.4.9
2. Operable	2.1 Keyboard Accessible	2.1.1 – 2.1.2		2.1.3
	2.2 Enough Time	2.2.1 – 2.2.2		2.2.3 – 2.2.5
	2.3 Seizures	2.3.1		2.3.2
	2.4 Navigable	2.4.1 – 2.4.4	2.4.5 – 2.4.7	2.4.8 – 2.4.10
3. Understandable	3.1 Readable	3.1.1	3.1.2	3.1.3 – 3.1.6
	3.2 Predictable	3.2.1 – 3.2.2	3.2.3 – 3.2.4	3.2.5
	3.3 Input Assistance	3.3.1 – 3.3.2	3.3.3 – 3.3.4	3.3.5 – 3.3.6
4. Robust	4.1 Compatible	4.1.1 – 4.1.2		

Rif. <http://www.michaelgaigg.com/blog/tag/wcag-20/>

**Vari concetti
importanti**

Web page

a non-embedded resource obtained from a single URI using HTTP plus any other resources that are used in the rendering or intended to be rendered together with it by a user agent

Web content technology

mechanism for encoding instructions to be rendered, played or executed by user agents

Accessibility supported

A web technology is **accessibility supported** when users' assistive technologies will work with the Web technologies AND when the accessibility features of mainstream technologies will work with the technology. Specifically, to qualify as an accessibility-supported technology, the following must be true for a technology:

- supported by users' assistive technologies as well as the accessibility features in browsers and other user agents

Accessibility supported (2)

To qualify as an accessibility-supported use of a **Web content technology** (or feature of a technology), both 1 and 2 must be satisfied for a Web content technology (or feature):

- 1) The way that the Web content technology is used must be supported by users' assistive technology (AT). This means that the way that the technology is used has been tested for interoperability with users' assistive technology in the human language(s) of the content, and
- 2) The Web content technology must have accessibility-supported user agents that are available to users. This means that at least one of the following four statements is true:
 - The technology is supported natively in widely-distributed user agents that are also accessibility supported (such as HTML and CSS); or,
 - The technology is supported in a widely-distributed plug-in that is also accessibility supported; or
 - The content is available in a closed environment, such as a university or corporate network, where the user agent required by the technology and used by the organization is also accessibility supported; or
 - The user agent(s) that support the technology are accessibility supported and are available for download or purchase in a way that:
 - does not cost a person with a disability any more than a person without a disability and
 - is as easy to find and obtain for a person with a disability as it is for a person without disabilities.

Programmatically determined

The content is authored in such a way that user agents, including assistive technologies, can access the information.

Conforming alternate version

Version of a page that

- conforms at the designated level, and
- provides all of the same information and functionality in the same human language, and
- is as up to date as the non-conforming content, and
- for which at least one of the following is true:
 - the conforming version **can be reached** from the non-conforming page via an accessibility supported mechanism, or
 - the non-conforming version can only be reached from the conforming version, or
 - the non-conforming version can only be reached from a conforming page that also provides a mechanism to reach the conforming version

Conforming alternate version (2)

Why?

- new technologies
- it might not be possible to modify an existing document
- for tailoring content to specific disabilities
 - the “original” page is tailored and requires a conformant alternative one
- as a process to accommodate accessibility

Conformance

Conformance

1) Conformance Level: One of the following levels of conformance is met in full.

- Level A: For Level A conformance (the minimum level of conformance), the Web page satisfies all the Level A Success Criteria, or a conforming alternate version is provided.
- Level AA: For Level AA conformance, the Web page satisfies all the Level A and Level AA Success Criteria, or a Level AA conforming alternate version is provided.
- Level AAA: For Level AAA conformance, the Web page satisfies all the Level A, Level AA and Level AAA Success Criteria, or a Level AAA conforming alternate version is provided.

Conformance

- 2) **Full pages:** Conformance (and conformance level) is for full Web page(s) only, and cannot be achieved if part of a Web page is excluded.
- 3) **Complete processes:** When a Web page is one of a series of Web pages presenting a process (i.e., a sequence of steps that need to be completed in order to accomplish an activity), all Web pages in the process conform at the specified level or better.

Conformance

4)Only Accessibility-Supported Ways of Using Technologies: Only accessibility-supported ways of using technologies are relied upon to satisfy the success criteria. Any information or functionality that is provided in a way that is not accessibility supported is also available in a way that is accessibility supported.

Conformance

5)Non-Interference: If technologies are used in a way that is not accessibility supported, or if they are used in a non-conforming way, then they do not block the ability of users to access the rest of the page. In addition, the Web page as a whole continues to meet the conformance requirements under each of the following conditions:

- when any technology that is not relied upon is turned on in a user agent,
- when any technology that is not relied upon is turned off in a user agent, and
- when any technology that is not relied upon is not supported by a user agent

In addition, the following success criteria apply to all content on the page, including content that is not otherwise relied upon to meet conformance, because failure to meet them could interfere with any use of the page:

- 1.4.2 - Audio Control,
- 2.1.2 - No Keyboard Trap,
- 2.3.1 - Three Flashes or Below Threshold, and
- 2.2.2 - Pause, Stop, Hide.

Conformance claim

- Conformance claims are not required. Authors can conform to WCAG 2.1 without making a claim. However, if a conformance claim is made, then the conformance claim must include the following information:
 - Date of the claim
 - Guidelines title, version and URI "Web Content Accessibility Guidelines 2.1 at <https://www.w3.org/TR/WCAG21/>"
 - Conformance level satisfied: (Level A, AA or AAA)
 - A concise description of the Web pages, such as a list of URIs for which the claim is made, including whether subdomains are included in the claim.
 - A list of the Web content technologies relied upon.