



CSS Analyser

You are here: [Home](#) [Quality Assurance](#) **CSS Analyser**

[Site Navigation](#)

Contents

- [Translations](#)
- [About this Service](#)
- [Colour Contrast](#)
- [Units of Measurement](#)
- [Limitations](#)
- [Check CSS](#)

Translations

- [Spanish Version](#)

About this Service

This service has been provided to allow you to check the validity of your CSS against the W3C's validation service, along with a colour contrast test, and a test to ensure that relevant sizes are specified in relative units of measurement. If the CSS is specified by a URL, it will be loaded into the text area to offer an option to make changes for testing without having to re-upload.

A special thank you to Roberto Scano who suggested extending the service to incorporate the validation of CSS, and validating units of measurement. Thanks to Roberto, an Italian version of this service is also available at Webaccessibile.org

[\[Back to the contents\]](#)

Colour Contrast

[Guideline 2.2](#) of the [Web Content Accessibility Guidelines 1.0](#) requires that foreground and background colour combinations provide sufficient contrast when viewed by someone having colour deficits, or when viewed on a black and white screen. Two colours provide good colour visibility if the brightness difference and the colour difference between the two colours are greater than a set range. They suggest a [colour contrast algorithm](#), which is used in this test. The algorithm is under development, and may be likely to change. Any changes to their algorithm will be updated on this page.

This page is provided to allow you to check the contrast of two colours using the W3C's colour contrast algorithm. You may specify an external style sheet, or paste CSS into the text box using the appropriate forms below.

[\[Back to the contents\]](#)

Units of Measurement

[Guideline 3.4](#) of the Web Content Accessibility Guidelines 1.0 suggests using relative rather than absolute units for style sheet property values. Relative sizes include em (where 1 em is equivalent to the font-size) and percentages. Although pixels are a relative unit of measurement, the actual size is unknown as it depends on the output medium. Font-sizes specified in pixels cannot be changed by the visitor in some user agents, so are treated as though they're an absolute unit of measurement.

[\[Back to the contents\]](#)

Limitations

If a foreground colour is specified without a background or vice versa, it's not possible to determine the contrast from the CSS alone, as it would depend on how it was applied to the HTML document tree. A similar situation arises if transparent is used as a property value. In these situations, the contrast is reported as a warning, as it requires looking at to determine if the parent node provides sufficient contrast.

If the physical characteristics of the output medium are known, then it's feasible to use absolute units of measurement. This test doesn't take that into consideration, and will report it as an error.

[\[Back to the contents\]](#)

Check CSS

Enter the URL for the style sheet you wish to examine, or enter the CSS directly into the local text area.

File Location

URI

Restrict units of measurement to font sizes.

Test Selection

Local CSS

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1
1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
lang="en" xml:lang="en">
<!-- doctypee.html - Creation date: 12-Jan-2008
09:24 am -->
<!-- Last updated Sunday, January 13, 2008 01:10
am -->
<!--

```

Restrict units of measurement to font sizes.

Test Local CSS




CSS Validation

Unexpected result from the validator; continuing anyway.

CSS Test Results

The following icons are used to indicate the status of the results.

Key for the Icons

Icon	Meaning
	If no errors or warning are found, the information icon is used.
	The warning icon means there may potentially be something wrong that requires attention.
	The error icon indicates that something requires attention.

The following is a breakdown of the CSS.

```

<!DOCTYPE html PUBLIC "-//TRDTD1999dttitle"><meta name="description" content="List of my
pages which comply with all of the automatic checkpoints of the W3C Web Content Accessibility
Guidelines." ><meta http-equiv="Content-Type" content="text"><meta name="author"
content="Mario Malaguti" ><meta name="resource-type" content="document" ><meta
name="rating" content="General" ><meta name="creation_date" content="2008-01-12" ><meta
name="revisit-after" content="10 days" ><style type="text/css"><!--body

```



- Foreground Colour: #000
- Background Colour: #eee

The difference in brightness between the two colours is sufficient. The threshold is 125, and the result of the foreground and background colours is 238.

The difference in colour between the two colours is sufficient. The threshold is 500, and the result of the foreground and background colours is 714.

font : 80% Verdana, Geneva, Arial, Helvetica, sans-serif

Relative unit of measurement.

padding : 0 10%

Relative unit of measurement.

margin : 0

Relative unit of measurement.

#block



➤ Foreground Colour: #000

➤ Background Colour: #fff url(..images/sfondo.2col.liquido.conBordo.gif) repeat-y 35% 0

The difference in brightness between the two colours is sufficient. The threshold is 125, and the result of the foreground and background colours is 255.

The difference in colour between the two colours is sufficient. The threshold is 500, and the result of the foreground and background colours is 765.

margin : 0 -3px

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

width : 100%

Relative unit of measurement.

#column-1



➤ Foreground Colour: #000

➤ Background Colour: transparent

margin-left: 1%

Relative unit of measurement.

width : 35%

Relative unit of measurement.

#column-2



➤ Foreground Colour: #000

➤ Background Colour: transparent

padding-left : 3px

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

margin-left : 35%

Relative unit of measurement.

#heading



➤ Foreground Colour: #fff

➤ Background Colour: #dcdcdc

The difference in brightness between the two colours is not sufficient. The threshold is 125, and the result of the foreground and background colours is 35.

The difference in colour between the two colours is not sufficient. The threshold is 500, and the result of the foreground and background colours is 105.

margin : 0 -3px

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

width : 100%

Relative unit of measurement.

#footer



➤ Foreground Colour: #fff

➤ Background Colour: #dcdcdc

The difference in brightness between the two colours is not sufficient. The threshold is 125, and the result of the foreground and background colours is 35.

The difference in colour between the two colours is not sufficient. The threshold is 500, and the result of the foreground and background colours is 105.

margin : 0 -3px

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

width : 100%

Relative unit of measurement.

#heading, #column-1, #column-2, #footer



padding-bottom : 0.5em

Relative unit of measurement.

padding-top : 0.5em

Relative unit of measurement.

div p



padding : 0.5em 1em

Relative unit of measurement.

margin : 0

Relative unit of measurement.

h1, h2, h3, h4, h5



- Foreground Colour: black
- Background Colour: white

The difference in brightness between the two colours is sufficient. The threshold is 125, and the result of the foreground and background colours is 255.

The difference in colour between the two colours is sufficient. The threshold is 500, and the result of the foreground and background colours is 765.

margin-left: 3%

Relative unit of measurement.

h1



font-size : 19px

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

h2



font-size : 16px

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

h3



font-size : 14px

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

h6.center



- Foreground Colour: black
- Background Colour: transparent

p.nor012, li.nor012, div.nor012



- Foreground Colour: black
- Background Colour: white

The difference in brightness between the two colours is sufficient. The threshold is 125, and the result of the foreground and background colours is 255.

The difference in colour between the two colours is sufficient. The threshold is 500, and the result of the foreground and background colours is 765.

font-size : 12pt

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

margin : 1em

Relative unit of measurement.

p.tra012, li.tra012, div.tra012



➤ Foreground Colour: black

➤ Background Colour: transparent

font-size : 12pt

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

margin : 1em

Relative unit of measurement.

p.tra014, li.tra014, div.tra014



➤ Foreground Colour: black

➤ Background Colour: transparent

font-size : 14pt

Absolute unit of measurement. See <http://www.w3.org/TR/WCAG10-CSS-TECHS/#units> for more details.

margin : 1em

Relative unit of measurement.

a:link



➤ Foreground Colour: #0000ff

➤ Background Colour: transparent

a:visited



➤ Foreground Colour: #ff0000

➤ Background Colour: transparent

a:active



➤ Foreground Colour: #00ff00

➤ Background Colour: transparent

a:hover



➤ Foreground Colour: #f0000f

➤ Background Colour: transparent