

# The power of ALT and LANG Attributes

Reinaldo Ferraz #id242018

ceweb.br nice.br cgi.br



@reinaldoferraz

**w3c**<sup>®</sup>  
**Brasil**

**ceweb.br**

**ceweb.br** **nic.br** **egi.br**

nic.br egi.br

```

```

```
<html lang="pt-BR">
```

```

```

```
<html lang="pt-BR">
```

alt

# alt

The alt attribute on images is a very important accessibility attribute. Authoring useful alt attribute content requires the author to carefully consider the context in which the image appears and the function that image may have in that context.

# proposed new tag: IMG

Marc Andreessen ([marca@ncsa.uiuc.edu](mailto:marca@ncsa.uiuc.edu))

Thu, 25 Feb 93 21:09:02 -0800

- **Messages sorted by:** [\[ date \]](#) [\[ thread \]](#) [\[ subject \]](#) [\[ author \]](#)
  - **Next message:** [Tony Johnson: "Re: proposed new tag: IMG"](#)
  - **Previous message:** [Bill Janssen: "Re: xmosaic experience"](#)
  - **Next in thread:** [Tony Johnson: "Re: proposed new tag: IMG"](#)
- 

I'd like to propose a new, optional HTML tag:

IMG

Required argument is SRC="url".

This names a bitmap or pixmap file for the browser to attempt to pull over the network and interpret as an image, to be embedded in the text at the point of the tag's occurrence.

An example is:

```
<IMG SRC="file:///foobar.com/foo/bar/blargh.xbm">
```

(There is no closing tag; this is just a standalone tag.)

This tag can be embedded in an anchor like anything else; when that happens, it becomes an icon that's sensitive to activation just like a regular text anchor.

# A suggestion for alt text.

Daniel N. Wood ([dwood@cory.eecs.berkeley.edu](mailto:dwood@cory.eecs.berkeley.edu))

Sat, 15 Apr 1995 18:10:36 +0500

- Messages sorted by: [ date ] [ thread ] [ subject ] [ author ]
- Next message: [ADMINISTRATOR.ROUTER@occshost.nlm.nih.gov: "ERROR REPLY."](#)
- Previous message: [Martian: "Re: Word wrapping"](#)

---

I would like to suggest an addition to the FIG tag. (And perhaps the IMG tag.)

It seems to me that there are two common scenarios for alt text.

- 1) The alt text is a perfect substitute for the image. For example:

Replace IBM's logo with the word IBM.

Alt text for some sort of fancy graphical title or headline.

A set of hyperlinks which duplicate the function of an image map.

- 2) The alt text describes the image. For example:

A photo of me.

An image map that is a \_real\_ map.

Charts or figures.

Wouldn't it be valuable to distinguish between these two cases?

This would allow a more advanced 'delayed image loading' for people on slow links or strange hardware. I am sure there are other uses as well

# accessibility

```

```



```

```



Picture of  
the  
keyboard  
keys W, 3  
and C

# Best practices to describe images:

- Avoid “Picture of” or “image of”
- Do not use long sentences



```

```



```

```





# ePub accessibility



ePUB

	META-INF
	container.xml
	mimetype
	OPS
	chapter-1.xhtml
	chapter-2.xhtml
	chapter-3.xhtml
	css
	book.css
	epb.ncx
	epb.opf
	images
	Image1.png
	Image2.png

```
<ops:switch id="XHTMLServerSideSwitch"
  xmlns:ops="http://www.idpf.org/2007/ops">
  <ops:case required-namespace="http://www.w3.org/1999/xhtml"
    required-modules="server-side-image-map">
    <a href="http://www.example.com/examplemap.map">
      
    </a>
  </ops:case>
</ops:switch>
```

[http://www.idpf.org/epub/20/spec/OPS\\_2.0.1\\_draft.htm](http://www.idpf.org/epub/20/spec/OPS_2.0.1_draft.htm)

# SEO



## **EXPLORING WEB ATTRIBUTES RELATED TO IMAGE ACCESSIBILITY AND THEIR IMPACT ON SEARCH ENGINE INDEXING**

**ceweb.br nic.br egí.br**

<http://ceweb.br/media/docs/publicacoes/19/acessibilidade-exploring-web-attributes.pdf>

## Accessibility and Search Engine Optimization on Scalable Vector Graphics

Reinaldo Feraz

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e-mail: reinaldo@nic.br

**Abstract**— The purpose of this paper was to carry out a study about techniques for description of images in Scalable Vector Graphics (SVG), and also assess the way in which search engines index this content. The study addressed the importance of the description of images, how this description has an impact on the web accessibility for screen reader users, and the way in which this content is indexed by search engines. The execution of the study involved a process of empirical observation, which represented a typical environment for the publication of a SVG code on a Web page. The base of the experiment was the publication of content within SVG elements, on a HTML5 (HyperText Markup Language version 5) webpage. After indexing by search engines, an investigation was carried out to see which elements were indexed. We observed the behaviour of the elements <title>, <desc>, <text>, and also the aria-label attribute, as well as support by browsers and assistive technology, and its indexing by search engines. The hypothesis behind this work is that some elements and attributes that are important for accessibility of the SVG content are also useful for indexing the content by search engines. The conclusion of this study has shown that elements such as <desc> and <text> are indexed by search engines, and their combination with other elements and attributes may expand the accessibility of the page and also contribute for the indexing by search engines. (Abstract)

**Keywords**— Accessibility, Web accessibility, Scalable Vector Graphics, SVG, SEO, Search Engine Optimization (Key words)

### I. INTRODUCTION

Images on bitmaps are not appropriate for certain types of applications, due to the difficulty in staging [1]. Images in Scalable Vector Graphics (SVG) [2] are a good solution for different Web applications, from a simple graph to a more complex application.

Description through images directly affects people with disabilities, especially visually impaired persons. It is estimated that there are over 285 million visually impaired people in the world, of which 39 million are blind and 246 million are low vision persons [3].

The W3C documents for Web accessibility, such as WCAG [4], show the main forms and techniques to make the content on the Web accessible. The document shows how images became accessible for people with disabilities. Even so, there is some reluctance or difficulty to apply such techniques, possibly due to lack of knowledge, time or investment. To assist this process, certain tools have been developed, to make easy the effort to implement image description, both on bitmaps and on SVG [5].

One way of dealing with the issue with greater scope is showing the benefits of describing images on the Web. The main benefit of this strategy is the accessibility of the pages, but the benefits may be extended beyond this. Studies show that the description of images on the Web can be indexed by search engines [6]. This can be one of the incentives for starting the need to describe images on the Web.

The purpose of this paper is showing the importance of an appropriate description of images and how it extends well beyond issues concerning Web accessibility, and that techniques for the description of the images in SVG benefit the process of indexing by search engines.

### II. HYPOTHESES AND METHODOLOGY TO INVESTIGATE HOW SVG IMPACT ACCESSIBILITY AND SEARCH ENGINE OPTIMIZATION

The hypothesis of this article has shown that certain elements such as <desc>, <title> and <text> can be indexed by search engines, and can also be accessible by assistive technology. This is different from WAI-ARIA, such as aria-label, which are accessible for assistive technology but are not indexed by search engines.

The methodology in this article was separated into three parts: (i) a review of the technical bibliography regarding Web accessibility; (ii) tests combining assistive technology, browsers and operational systems; (iii) empirical observation of the publication of the content published on the Web, with a specific focus on indexation using search engines.

The results were collected after indexation, by search engines, of the elements <desc>, <title> and <text>, and the aria-label attribute, duly declared and filled in.

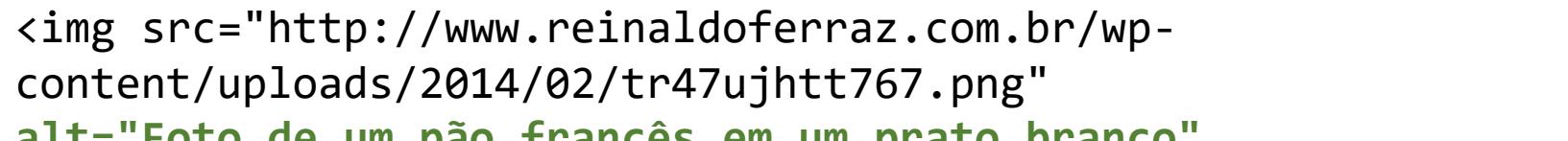
These stages were necessary to analyze how search engines index the content in elements and attributes in SVG.

The test environment used for this experiment was a page from Reinaldo Feraz's blog at (<http://www.reinaldoferaz.com.br/acessibilidade-seo-e-svg>). This page is in a public Web environment based on the Linux system, with Wordpress installed, and with a daily configured robots.txt file, so that search engines may index the content of this website.

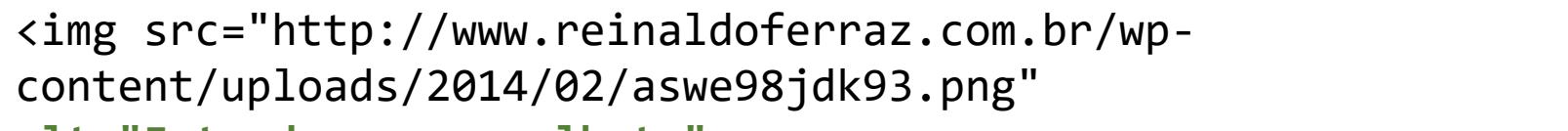
The experiments were carried out on the blog due to the low number of posts and pages (42 images, 5 posts, and a

<sup>1</sup> Assistive Technology: any device that is used to support the health and activity of a disabled person. Source: Encyclopaedia Britannica (available at <https://global.britannica.com/topic/assistive-technology>)

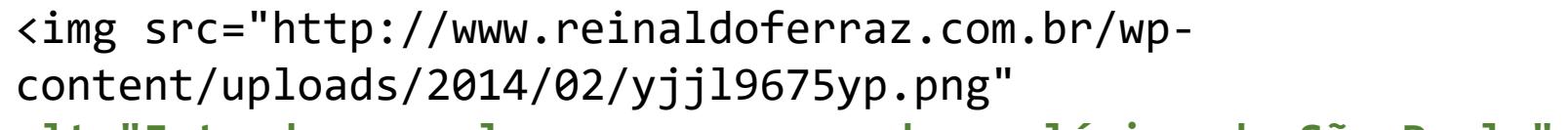
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8279605>

  
**Foto de um pão francês em um prato branco**  
A foto do pão é a primeira a utilizar o atributo title nesse post“>



  
**Foto de uma ampulheta**  
A foto da ampulheta é de autoria de Reinaldo Ferraz”>



  
**Foto de uma placa com o mapa do zoológico de São Paulo**  
Crédito desta foto: Reinaldo Ferraz”>



**Google**  
Brasil

**YAHOO!**

**bing**



DuckDuckGo

ceweb.br nic.br egibr

g site:reinaldoferraz.com.br x

https://www.google.com.br/search?q=site%3Areinaldoferraz.com.br+prato+branco&oq=site%3Areinald

Apps CSS Border Radius ... All — Portal comunic

Google site:reinaldoferraz.com.br prato branco

Reinaldo

Web Imagens Vídeos Mapas Notícias Mais Ferramentas de pesquisa

6 resultados (0,30 segundos)

**imagens | Reinaldo Ferraz**  
[www.reinaldoferraz.com.br/tag/imagens/](http://www.reinaldoferraz.com.br/tag/imagens/) ▾  
Foto de um pão francês em um prato branco. Foto de uma ampulheta. Foto de uma placa com o mapa do zoológico de São Paulo. Este post sofreu atualizações ...

**acessibilidade | Reinaldo Ferraz**  
[www.reinaldoferraz.com.br/tag/acessibilidade/](http://www.reinaldoferraz.com.br/tag/acessibilidade/) ▾  
Foto de um pão francês em um prato branco. Foto de uma ampulheta. Foto de uma placa com o mapa do zoológico de São Paulo. Este post sofreu atualizações ...

**Reinaldo Ferraz | Open Web, Acessibilidade, Star Wars e Café**  
[www.reinaldoferraz.com.br/](http://www.reinaldoferraz.com.br/) ▾  
Foto de um pão francês em um prato branco ... Publiquei algumas imagens inicialmente com o atributo ALT em branco e depois de alguns dias descrevi ...

**experimentos | Reinaldo Ferraz**  
[www.reinaldoferraz.com.br/category/experimentos/](http://www.reinaldoferraz.com.br/category/experimentos/) ▾  
... deste post publicarei o resultado na sequência, inclusive com alguns testes relacionados a acessibilidade. Foto de um pão francês em um prato branco.

**Explorando o atributo ALT | Reinaldo Ferraz**  
[www.reinaldoferraz.com.br/explorando-o-atributo-alt/](http://www.reinaldoferraz.com.br/explorando-o-atributo-alt/) ▾  
24 de fev de 2014 - Foto de um pão francês em um prato branco ... deles considerou positivo o atributo ALT nas imagens, mas ignorou que eles estão em branco.

	Google	Yahoo	Bing	Duck Duck Go
ALT	Yes	No	No	No
TITLE	No	No	No	No



<https://www.site-analyzer.com/>



<https://www.woorank.com/pt>



<http://www.seoworkers.com/>

Performed in March 2014



Unlimited analyses during the beta period - Report a problem - Submit a suggestion

## Analysis report

<http://www.reinaldoferraz.com.br/explorando-o-atributo-alt/>

QUICK REPORT GENERATED

[Refresh the data](#)



### Multimedia

» Images

✓ Number of images

Your web page contains at least 7 distinct images to be downloaded, which represents 683.25 ko to download.

[Afficher le contenu](#)

✓ Unreachable images

Your web page does not contain any unreachable images.

⚠ Image caching

Your web page contains 7 images which have not been cached.

[Afficher le contenu](#)

✗ Alternative text

Percentage of images with alternative text :

0/7 images or 0%

Percentage with correct alternative text :

0/7 images or 0%

[Afficher le contenu](#)



Unlimited analyses during the beta period - Report a problem - Submit a suggestionn

## Analysis report

<http://www.reinaldoferraz.com.br/explorando-o-atributo-alt/>

QUICK REPORT GENERATED

[Refresh the data](#)

### Multimedia

[» Images](#)**✓ Number of images**

Your web page contains at least 7 distinct images to be downloaded, which represents 683.25 ko to download.

[Afficher le contenu](#)**✓ Unreachable images**

Your web page does not contain any unreachable images.

**⚠ Image caching**

Your web page contains 7 images which have not been cached.

[Afficher le contenu](#)**✓ Alternative text**

Percentage of images with alternative text :

7/7 images or 100%

Percentage with correct alternative text :

7/7 images or 100%

[Afficher le contenu](#)

woorank

REINALDOFERRAZ.COM.BR

reinaldoferraz.com.br

Análise do website

Análise de reinaldoferraz.com.br

● Criado a 7 de Março de 2014 09:07

● Aprovado 18

! Pode melhorar 2

✖ Erros para corrigir 11

41.1

Partilhe

SEO

✖ Imagens Nós achámos 8 imagens neste website.  
7 atributos alt estão vazios ou faltando.

● Texto/HTML Proporção 29.49 %

woorank

REINALDOFERRAZ.COM.BR

reinaldoferraz.com.br + Análise do website

Análise de reinaldoferraz.com.br

Criado a 7 de Março de 2014 08:52

Aprovado: 19

Pode melhorar: 2

Erros para corrigir: 10

41.9

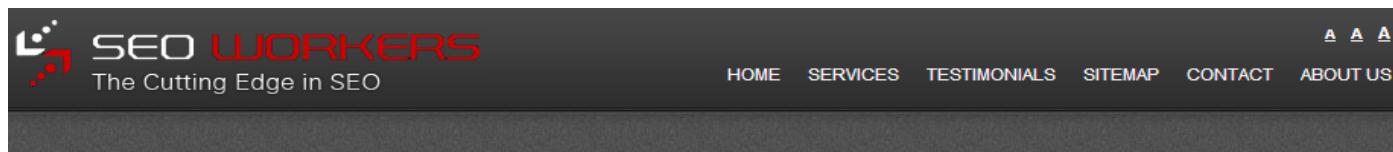
Partilhe

SEO

Imagens: Nós achámos 8 imagens neste website.  
3 atributos alt estão vazios ou faltando.

Texto/HTML Proporção: 28.61 %

The screenshot shows the Woorank SEO analysis interface for the website reinaldoferraz.com.br. At the top, there's a navigation bar with the Woorank logo, the domain name, and language settings (PT). Below the bar, a search bar contains the domain, and a button says 'Análise do website'. A row of icons follows: user, location, share, mobile, hash, camera, and gear. The main content area starts with a 'Explorando o atributo ALT' section showing a computer monitor icon with a screenshot of the website. To its right is a summary card for the analysis of reinaldoferraz.com.br, which includes the creation date (March 7, 2014, at 08:52), a green 'Aprovado' status with a score of 19, an orange 'Pode melhorar' status with a score of 2, and a red 'Erros para corrigir' status with a score of 10. This card is circled in red. Below this is a 'SEO' section with two items: 'Imagens' (with a note about 8 images found and 3 alt attributes missing) and 'Texto/HTML Proporção' (with a 28.61% score). The 'Imagens' section is also circled in red.



## SEO Workers - Analysis Tool Results

Below are the results of the automatic SEO analysis. This analysis is not intended to provide an in-depth review of a web site, as it analyzes only a single page.

These results are not intended to diagnose or treat any problems associated with the given web page and its rankings in any search engines.

### Keywords Found in Image Alt Attributes

**i** This is text found in the 'alt' attribute text from the images. For web pages with a large number of images this text is very important.

Many webmasters and inexperienced or unethical SEOs abuse the use of this attribute, trying to stuff it with keywords, hoping to achieve a certain keyword density, even though KW density is not as relevant for rankings as it once was.

Do you use the 'alt' attributes with care? Read our [article about the use of the 'alt' attribute](#) to learn more about implementing them properly.

**i** **Images Dimensions Tip:** While on [Google Image Search](#) you can find images in a wide range of dimensions, if you want to break through with universal search it is highly recommended to keep your images dimensions within certain parameters. An image size of at least 250x300 seems to be the accepted norm. Larger are OK, but smaller are not.

### Alt Image Attributes

**!** No Alt Attributes found!

### Google Webmaster Help video about Alt Attributes

[Matt Cutts](#), Head of Google's Webspam Team discusses the importance of alt attributes.



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#### Alt Image Attributes

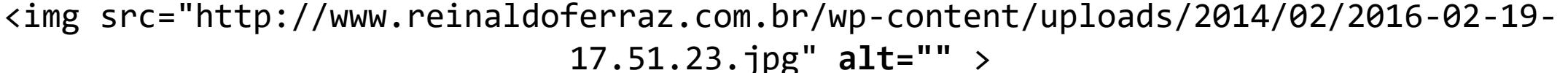
foto de um po frans em um prato branco	1 - (G   Y   B)
foto de uma ampulheta	1 - (G   Y   B)
foto de uma placa com o mapa do zoolgico de so paulo	1 - (G   Y   B)
resultado da busca do google pelo nome do site	1 - (G   Y   B)
resultado da busca no google por uma palavra chave da primeira foto	1 - (G   Y   B)
resultado da busca no google por uma palavra chave da segunda foto	1 - (G   Y   B)

	Site Analyzer	Woorank	SEO Workers
ALT	Yes	Yes	Yes
TITLE	No	No	No

A imagem abaixo é a foto de um rádio relógio cinza.



A imagem acima é uma foto de um despertador digital.

A placeholder for a digital alarm clock image, consisting of a large rectangular area with a thin black border.

Todas

Shopping

Imagens

Vídeos

Notícias

Mais ▾

Ferramentas de pesquisa



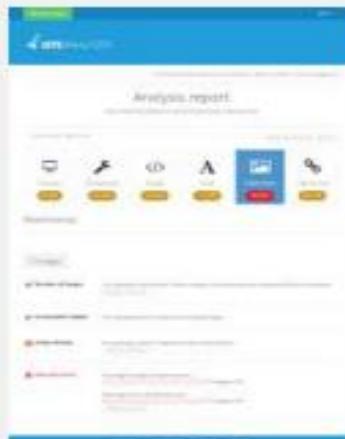
Rádio Relógio Philips



Rádio Relógio Moderno



Rádio Relógio Toshiba


[Web](#) [Images](#) [Maps](#) [Videos](#) [Shopping](#) [More ▾](#) [Search Tools](#)

1 result(s) (0.31 seconds)

**Explorando o atributo ALT | Reinaldo.Ferraz**  
[www.reinaldoferraz.com.br/explorando-o-atributo-alt/](http://www.reinaldoferraz.com.br/explorando-o-atributo-alt/) ▾ Translate this page  
 Fri, 24, 2011 · Foto de um pão francês em um prato branco. Foto de uma ampulheta.  
 Foto de uma placa com o mapa do zoológico de São Paulo. Esse post....

**SEO** [HOME](#) [ABOUT](#) [TERMINOS](#) [CONTACT](#) [ABOUT US](#)

**Keywords Found in Image alt Attributes**

- Explorando o atributo ALT | Reinaldo.Ferraz
- www.reinaldoferraz.com.br/explorando-o-atributo-alt/
- Translate this page
- Fri, 24, 2011 · Foto de um pão francês em um prato branco. Foto de uma ampulheta.
- Foto de uma placa com o mapa do zoológico de São Paulo. Esse post....

**All Images ALT Data**

Image Alt Text	Count
Explorando o atributo ALT   Reinaldo.Ferraz	1
www.reinaldoferraz.com.br/explorando-o-atributo-alt/	1
Translate this page	1
Fri, 24, 2011 · Foto de um pão francês em um prato branco. Foto de uma ampulheta.	1
Foto de uma placa com o mapa do zoológico de São Paulo. Esse post....	1

[Web](#) [Images](#) [Maps](#) [Videos](#) [Shopping](#) [More ▾](#) [Search Tools](#)

1 result(s) (0.31 seconds)

**Explorando o atributo ALT | Reinaldo.Ferraz**  
[www.reinaldoferraz.com.br/explorando-o-atributo-alt/](http://www.reinaldoferraz.com.br/explorando-o-atributo-alt/) ▾ Translate this page  
 Fri, 24, 2011 · Foto de um pão francês em um prato branco. Foto de uma ampulheta.

**Reinaldo Ferraz Open Web - Acessibilidade, Gis, Web e Cib**  
[www.reinaldoferraz.com.br/](http://www.reinaldoferraz.com.br/) ▾ Translate this page  
 Esse projeto une todos os meus interesses no meu trabalho de web. Meu objetivo é sempre me garantir a maior acessibilidade...

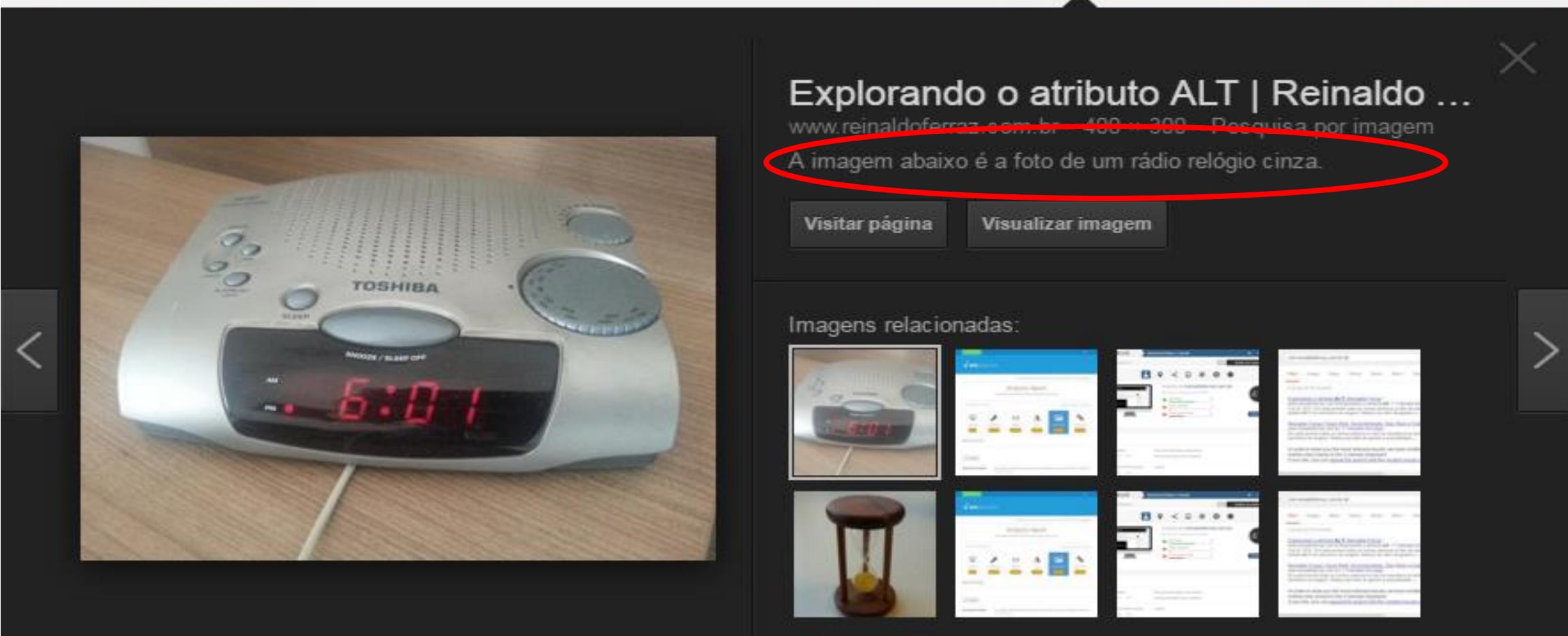


Web Images Maps Videos Shopping More Search tools  
1 result (0.31 seconds)

**Explorando o âmbito ALT** | Reinaldo Feraz  
[www.reinaldoferreza.com.br/explorando-o-ambito-alt/](http://www.reinaldoferreza.com.br/explorando-o-ambito-alt/) • Translate this page  
Foto 24, 2014 - Foto de um pão francês em um prato branco. Foto de uma ampolha.  
Foto de uma placa com a mapa do zoológico de São Paulo. Esta post....



A screenshot of the Microsoft Edge browser interface. At the top is the Address bar with the URL 'https://www.microsoft.com'. Below it is the ribbon with icons for Home, Back, Forward, Stop, Refresh, and Favorites. A search bar is positioned below the ribbon. The main content area shows a news feed with several articles listed.



Explorando o atributo ALT | Reinaldo ...

[www.reinaldoferraz.com.br](http://www.reinaldoferraz.com.br) 400 300 Pesquisa por Imagem

A imagem abaixo é a foto de um rádio relógio cinza.

[Visitar página](#)

[Visualizar imagem](#)

**Imagenes relacionadas:**



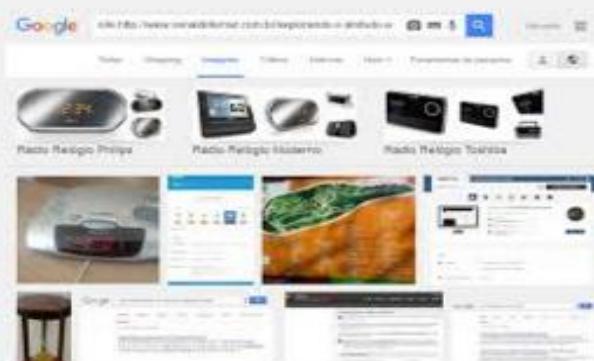


Saxofone Desenho

Saxofone Papel de Parede

Saxofone Wallpaper

Sa>



## Explorando o atributo ALT | Reinaldo ...

[www.reinaldorerraz.com.br](http://www.reinaldorerraz.com.br) - 400 x 300 - Pesquisa por imagem

Saxofone descrição desta foto do rádio relógio é um experimento para verificar a indexação

[Visitar página](#)

[Visualizar imagem](#)

Imagens relacionadas:



ARTY HARI

```
<div class="foto"  
role="img" aria-label="Company logo">  
</div>
```

lang

# lang

The lang attribute (in no namespace) specifies the primary language for the element's contents and for any of the element's attributes that contain text.

<https://www.w3.org/TR/html5/dom.html#the-lang-and-xmlLang-attributes>

**accesskey**

**class**

**contenteditable**

**dir**

**hidden**

**id**

**lang**

Global Attribute

**spellcheck**

**style**

**tabindex**

**title**

**translate**



```
<html lang="pt-BR">  
    . . . .  
<p>  
    O texto da página está em português  
    <span lang="en">and in english</span>.  
</p>
```

Prefix: sl-rozaj-osojs

Prefix: sl-rozaj-solba

Comments: For standardized Resian an orthography was published in 1994.

%%

Type: variant

Subtag: 1996

Description: German orthography of 1996

Added: 2005-10-16

Prefix: de

%%

Type: variant

Subtag: abl1943

Description: Orthographic formulation of 1943 - Official in Brazil  
(Formulário Ortográfico de 1943 - Oficial no Brasil)

Added: 2015-05-06

Prefix: pt-BR

Comments: Denotes conventions established by the Academia Brasileira de Letras in 1943 and generally used in Brazil until 2009

%%

Type: variant

Subtag: alalc97

Description: ALA-LC Romanization, 1997 edition

Added: 2009-12-09

# Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change.

**Showing results for contents of text-input area**

**Document checking completed. No errors or warnings to show.**

## Source

1. <!DOCTYPE html>↔
2. <html lang="pt-BR">↔
3. <head>↔

1. **Error** **Bad value** `pndb-BR` **for attribute** `lang` **on element** `html` : **Found reserved lan**

[From line 1, column 16; to line 2, column 21](#)

`TYPE html>↵<html lang="pndb-BR">↵<head>`

Syntax of language tag:

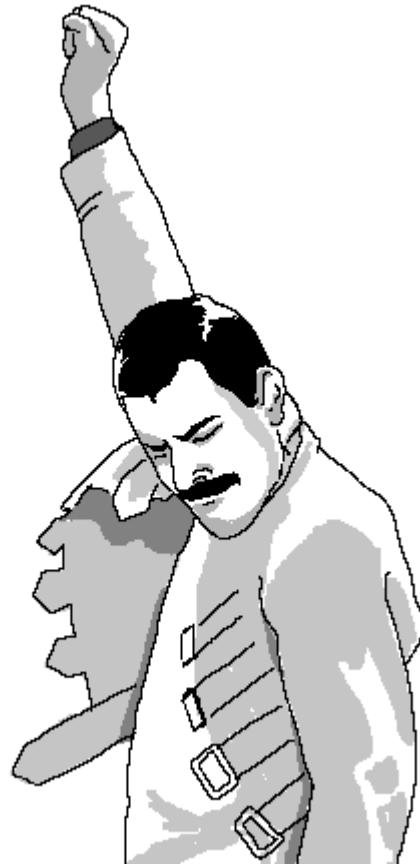
An [RFC 5646](#) language tag consists of hyphen-separated ASCII-alphanumeric subtags. There is a shortest ISO 639 language code (e.g. en for English) and zero or more additional subtags adding precision. A region subtag which most commonly is a two-letter ISO 3166 country code (e.g. GB for the United Kingdom). [Subtags](#).

Document checking completed.

## Source

1. `<!DOCTYPE html>↵`
2. `<html lang="pndb-BR">↵`
3. `<head>↵`

# accessibility



Is this the real life?  
Is this just fantasy?  
Caught in a landslide  
No escape from reality



Is dis de real life?  
Is dis just fantasi?  
Cauti in a landslide  
No escape from reality



# styling

```
body {  
font-family:  
"Times New Roman", Times, serif;  
}  
  
:lang(ar) {  
font-family:  
"Traditional Arabic", "Al Bayan", serif;  
direction: rtl;  
}
```

```
<div lang="en" class="hello">  
Hello World!  
</div>  
  
<div lang="pt-BR" class="hello">  
Olá Mundo!  
</div>  
  
<div lang="fr" class="hello">  
Salut, Monde!  
</div>
```

```
.love {  
    padding: 1em;  
}  
  
.love:lang(en) {  
    background-color: green;  
    color:white;  
}  
  
.love:lang(pt-BR) {  
    background-color: yellow;  
}  
  
.love:lang(fr) {  
    background-color: blue;  
    color:white;  
}
```

Hello World!

Olá Mundo!

Salut, Monde!



ceweb.br nic.br egibr

# Hyphenation

```
p { hyphens: auto;}
```

```
<p>Este é um texto sobre ontologia</p>
```

```
<p lang="pt-br">
```

```
Este é um texto sobre ontologia</p>
```

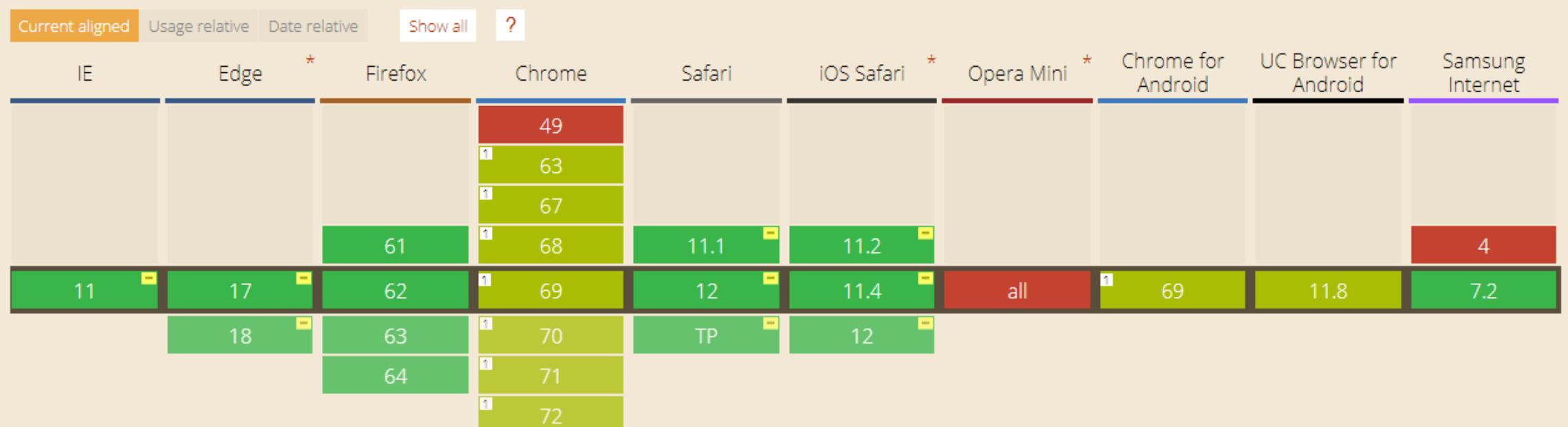
Este é um texto sobre  
ontologia

Este é um texto sobre ontolo-  
gia

# CSS Hyphenation - WD

Usage  
Global  
% of all users  
22.74% + 66.92% = 89.66%  
unprefixed:  
4.89% + 66.92% = 71.81%

Method of controlling when words at the end of lines should be hyphenated using the "hyphens" property.



Notes Known issues (0) Resources (5) Feedback

Chrome < 55 and Android 4.0 Browser support "-webkit-hyphens: none", but not the "auto" property. It is advisable to set the @lang attribute on the HTML element to enable hyphenation support and improve accessibility.

<sup>1</sup> Only supported on Android & Mac platforms (and only the "auto" value) for now. See [commit](#) & related [bug](#).

# Just summarizing:

**Use  
ALT e LANG  
Attributus in your web project**

# Thank you



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