

# Syntax Coloring of Source Code

Trac supports language-specific syntax highlighting of source code within wiki formatted text in [wiki processors](#) blocks and in the [repository browser](#).

To do this, Trac uses external libraries with support for a great number of programming languages.

Currently Trac supports syntax coloring using one or more of the following packages:

- [Pygments](#), by far the preferred system, as it covers a wide range of programming languages and other structured texts and is actively supported
- [GNU Enscript](#), commonly available on Unix but somewhat unsupported on Windows
- [SilverCity](#), legacy system, some versions can be [problematic](#)

To activate syntax coloring, simply install either one (or more) of these packages (see [#ExtraSoftware](#) section below). If none of these packages is available, Trac will display the data as plain text.

## About Pygments

Starting with trac 0.11 [pygments](#) will be the new default highlighter. It's a highlighting library implemented in pure python, very fast, easy to extend and [well documented](#).

The Pygments default style can be specified in the [mime-viewer](#) section of trac.ini. The default style can be overridden by setting a Style preference on the [preferences page](#).

It's very likely that the list below is outdated because the list of supported pygments lexers is growing weekly. Just have a look at the page of [supported lexers](#) on the pygments webpage.

## Syntax Coloring Support

### Known MIME Types

MIME Types	<a href="#">WikiProcessors</a>
<code>application/javascript</code>	<code>js</code>
<code>application/pdf</code>	<code>pdf</code>
<code>application/postscript</code>	<code>ps</code>
<code>application/rss+xml</code>	<code>rss</code>
<code>application/rtf</code>	<code>rtf</code>
<code>application/x-csh</code>	<code>csh</code>
<code>application/x-sh</code>	<code>sh</code>
<code>application/x-troff</code>	<code>nroff roff troff</code>
<code>application/x-yaml</code>	<code>yaml yml</code>
<code>application/xsl+xml</code>	<code>xsl</code>
<code>application/xslt+xml</code>	<code>xslt</code>
<code>image/svg+xml</code>	<code>svg</code>

<b>image/x-icon</b>	ico
<b>model/vrml</b>	vrml wrl
<b>text/css</b>	css
<b>text/html</b>	htm html
<b>text/plain</b>	AUTHORS COPYING ChangeLog INSTALL README RELEASE TXT text txt
<b>text/x-ada</b>	ada adb ads
<b>text/x-asm</b>	asm
<b>text/x-asp</b>	asp
<b>text/x-awk</b>	awk
<b>text/x-c++hdr</b>	H HH c++hdr hh hpp
<b>text/x-c++src</b>	C C++ CC c++ c++src cc cpp
<b>text/x-chdr</b>	chdr h
<b>text/x-csharp</b>	C# c# cs csharp
<b>text/x-csrc</b>	c csrc xs
<b>text/x-diff</b>	diff patch
<b>text/x-dylan</b>	dylan
<b>text/x-eiffel</b>	e eiffel
<b>text/x-elisp</b>	el elisp
<b>text/x-fortran</b>	f fortran
<b>text/x-haskell</b>	haskell hs
<b>text/x-idl</b>	ice idl
<b>text/x-inf</b>	inf
<b>text/x-ini</b>	cfg ini
<b>text/x-java</b>	java
<b>text/x-ksh</b>	ksh
<b>text/x-lua</b>	lua
<b>text/x-m4</b>	m4
<b>text/x-mail</b>	mail
<b>text/x-makefile</b>	GNUMakefile Makefile make makefile mk
<b>text/x-objc</b>	m mm objc
<b>text/x-ocaml</b>	ml mli ocaml
<b>text/x-pascal</b>	pas pascal
<b>text/x-perl</b>	PL perl pl pm
<b>text/x-php</b>	php php3 php4
<b>text/x-pp</b>	pp
<b>text/x-pyrex</b>	pyrex pyx
<b>text/x-python</b>	py python
<b>text/x-rfc</b>	rfc
<b>text/x-rst</b>	rst
<b>text/x-ruby</b>	rb ruby

<b>text/x-scheme</b>	scheme scm
<b>text/x-sql</b>	sql
<b>text/x-tcl</b>	tcl
<b>text/x-tex</b>	tex
<b>text/x-textile</b>	textile txtl
<b>text/x-vba</b>	bas vb vba
<b>text/x-verilog</b>	v verilog
<b>text/x-vhdl</b>	vhd vhdl
<b>text/x-zsh</b>	zsh
<b>text/xml</b>	xml

## List of Languages Supported, by Highlighter

This list is only indicative.

	SilverCity	Enscript	Pygments
Ada		?	
Asm		?	
Apache Conf			?
ASP	?	?	
C	?	?	?
C#		? <u>(1)</u>	?
C++	?	?	?
Java	? <u>(2)</u>	?	?
Awk		?	
Boo			?
CSS	?		?
Python Doctests			?
Diff		?	?
Eiffel		?	
Elisp		?	
Fortran		? <u>(1)</u>	?
Haskell		?	?
Genshi			?
HTML	?	?	?
IDL		?	
INI			?
Javascript	?	?	?
Lua			?
m4		?	
Makefile		?	?

Mako			?
Matlab <sup>(3)</sup>		?	?
Mygthy			?
Objective-C		?	?
OCaml			?
Pascal		?	?
Perl	?	?	?
PHP	?		?
PSP	?		
Pyrex		?	
Python	?	?	?
Ruby	?	? <sup>(1)</sup>	?
Scheme		?	?
Shell		?	?
Smarty			?
SQL	?	?	?
Troff		?	?
TCL		?	
Tex		?	?
Verilog	? <sup>(2)</sup>	?	
VHDL		?	
Visual Basic		?	?
VRML		?	
XML	?		?

(1) Not included in the Enscript distribution. Additional highlighting rules can be obtained for Ruby, C#, Fortran 90x/2003

(2) since Silvercity 0.9.7 released on 2006-11-23

(3) By default .m files are considered Objective-C files. In order to treat .m files as MATLAB files, add "text/matlab:m" to the "mime\_map" setting in the [mimeviewer] section of trac.ini.

## Extra Software

- GNU Enscript -- <http://directory.fsf.org/GNU/enscript.html>
- GNU Enscript for Windows -- <http://gnuwin32.sourceforge.net/packages/enscript.htm>
- SilverCity -- <http://silvercity.sf.net/>
- Pygments -- <http://pygments.org/>

---

See also: WikiProcessors, WikiFormatting, TracWiki, TracBrowser