

## 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 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It's very likely that the list below is outdated because the list of supported pygments lexers is growing weekly.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>
application/javascript	js
application/msword	doc dot
application/pdf	pdf
application/postscript	ps
application/rss+xml	rss
application/rtf	rtf
application/x-csh	csh
application/x-sh	sh
application/x-troff	nroff roff troff
application/x-yaml	yaml yml
application/xsl+xml	xsl
application/xslt+xml	xslt
image/svg+xml	svg
image/x-icon	ico
model/vrml	vrml wrl
text/css	css
text/html	htm html
text/plain	AUTHORS COPYING ChangeLog INSTALL README RELEASE TXT text txt
text/x-ada	ada adb ads

text/x-asm	asm
text/x-asp	asp
text/x-awk	awk
text/x-c++hdr	H HH c++hdr hh hpp
text/x-c++src	C C++ CC c++ c++src cc cpp
text/x-chdr	chdr h
text/x-csharp	C# c# cs csharp
text/x-csrc	c csrc xs
text/x-diff	diff patch
text/x-dylan	dylan
text/x-eiffel	e eiffel
text/x-elisp	el elisp
text/x-fortran	f fortran
text/x-haskell	haskell hs
text/x-idl	ice idl
text/x-inf	inf
text/x-ini	cfg ini
text/x-java	java
text/x-ksh	ksh
text/x-lua	lua
text/x-m4	m4
text/x-mail	mail
text/x-makefile	GNUMakefile Makefile make makefile mk
text/x-objc	m mm objc
text/x-ocaml	ml mli ocaml
text/x-pascal	pas pascal
text/x-perl	PL perl pl pm
text/x-php	php php3 php4
text/x-ppp	ppp
text/x-pyrex	pyrex pyx
text/x-python	py python
text/x-rfc	rfc
text/x-rst	rst
text/x-ruby	rb ruby
text/x-scheme	scheme scm
text/x-sql	sql
text/x-tcl	tcl
text/x-tex	tex
text/x-textile	textile txtl
text/x-vba	bas vb vba

text/x-verilog	v verilog
text/x-vhdl	vhd vhd1
text/x-zsh	zsh
text/xml	xml

### List of Languages Supported, by Highlighter

This list is only indicative.

	SilverCity	Enscript	Pygments
Ada		✓	
Asm		✓	
Apache Conf			✓
ASP	✓	✓	
C	✓	✓	✓
C#		✓ <a href="#">(1)</a>	✓
C++	✓	✓	✓
Java	✓ <a href="#">(2)</a>	✓	✓
Awk		✓	
Boo			✓
CSS	✓		✓
Python Doctests			✓
Diff		✓	✓
Eiffel		✓	
Elisp		✓	
Fortran		✓ <a href="#">(1)</a>	✓
Haskell		✓	✓
Genshi			✓
HTML	✓	✓	✓
IDL		✓	
INI			✓
Javascript	✓	✓	✓
Lua			✓
m4		✓	
Makefile		✓	✓
Mako			✓
Matlab <a href="#">(3)</a>		✓	✓
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/>

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See also: [WikiProcessors](#), [WikiFormatting](#), [TracWiki](#), [TracBrowser](#)