

# 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It's very likely that the list below is outdated because the list of supported pygments lexers is growing weekly.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

```
application/javascript js  
application/msword doc dot  
application/pdf pdf  
application/postscript ps  
application/rss+xml rss
```

#### WikiProcessors

## MIME Types

## WikiProcessors

<b>application/rtf</b>	rtf
<b>application/x-csh</b>	csh
<b>application/x-sh</b>	sh
<b>application/x-troff</b>	nroff roff troff
<b>application/x-yaml</b>	yaml yml
<b>application/xsl+xml</b>	xsl
<b>application/xslt+xml</b>	xslt
<b>image/svg+xml</b>	svg
<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# cs csharp
<b>text/x-csrc</b>	c.cs csrc.cs
<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

MIME Types	<u>WikiProcessors</u>
<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-psp</b>	psp
<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#	? <sup>(1)</sup>
C++	?
Java	? <sup>(2)</sup>
Awk	?
Boo	?

## SilverCity Enscript Pygments

CSS	?	?
Python Doctests		?
Diff	?	?
Eiffel	?	
Elisp	?	
Fortran	? <sup>(1)</sup>	?
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	?	?

## SilverCity Enscript Pygments

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](http://directory.fsf.org/GNU/enscript.html)
- GNU Enscript for Windows -- [?http://gnuwin32.sourceforge.net/packages/enscript.htm](http://gnuwin32.sourceforge.net/packages/enscript.htm)
- SilverCity -- [?http://silvercity.sf.net/](http://silvercity.sf.net/)
- Pygments -- [?http://pygments.org/](http://pygments.org/)

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