

# 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](#). Syntax coloring is provided using [Pygments](#), which covers a wide range of programming languages and other structured texts, and is actively supported. If Pygments is not available, Trac will display the content as plain text.

## About Pygments

[Pygments](#) is 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](#).

[Pygments lexer](#) options can be specified as [WikiProcessor](#) arguments and defaults can be set in the [environment configuration](#).

## Syntax Coloring Support

### Supported languages

The list of currently supported languages can be found on the [supported languages](#) page. The list represents the languages supported in the most recent version of Pygments, so the languages actually supported in your installation could differ if you have an older version installed. The listing of [supported lexers](#) provides additional information about the default mime type to keyword mappings.

Explicit control of the mime type associated with a [WikiProcessor](#) and file extension is available through the `mime_map` setting. For example, by default `.m` files are considered Objective-C files. In order to treat `.m` files as MATLAB files, add `text/matlab:m` to the [\[mimeviewer\] mime\\_map](#) option.

If a `mimetype` property such as `svn:mime-type` is set to `text/plain`, there is no coloring even if file is known type like `java`.

### Direct Rendering

Rich content may be directly *rendered* instead of syntax highlighted. This usually depends on which auxiliary packages are installed and which components are activated in your setup. For example, a `text/x-rst` document will be rendered via `docutils` if it is installed and the `trac.mimeview.rst.ReStructuredTextRenderer` is not disabled. It will be syntax highlighted otherwise.

Similarly, a document with the `mimetype text/x-trac-wiki` is rendered using the Trac wiki formatter, unless the `trac.mimeview.api.WikiTextRenderer` component is disabled. If you want to ensure that an HTML document gets syntax highlighted and not rendered, use the `text/xml` `mimetype`.

HTML documents are directly rendered only if the `render_unsafe_html` settings are enabled in your [Trac Ini](#) file. See [\[attachment\] render\\_unsafe\\_content](#), [\[browser\] render\\_unsafe\\_content](#) and [\[wiki\] render\\_unsafe\\_content](#). The setting is present in multiple sections because there are different security concerns depending on where the document comes from.

## Known MIME types

MIME Types	<u>WikiProcessors</u>
<b>application/atom+xml</b>	xml
<b>application/json</b>	json
<b>application/json-object</b>	json-object
<b>application/kal</b>	kal
<b>application/ld+json</b>	json-ld jsonld
<b>application/msword</b>	doc dot
<b>application/pdf</b>	pdf
<b>application/postscript</b>	postscr postscript ps
<b>application/rss+xml</b>	rss
<b>application/rtf</b>	rtf
<b>application/sparql-query</b>	sparql
<b>application/vnd.wolfram.cdf</b>	mathematica mma nb
<b>application/x-awk</b>	awk gawk mawk nawk
<b>application/x-befunge</b>	befunge
<b>application/x-brainfuck</b>	bf brainfuck
<b>application/x-chaiscript</b>	chai chaiscript
<b>application/x-clojure</b>	clj clojure
<b>application/x-clojurescript</b>	cljs clojurescript
<b>application/x-coldfusion</b>	cfm
<b>application/x-csh</b>	csh tcsh
<b>application/x-cython</b>	cython pyrex pyx
<b>application/x-dos-batch</b>	bat batch cmd dos dosbatch winbatch
<b>application/x-ecl</b>	ecl
<b>application/x-elisp</b>	elisp emacs emacs-lisp
<b>application/x-evoque</b>	evoque
<b>application/x-fantom</b>	fan
<b>application/x-fish</b>	fish fishshell
<b>application/x-forth</b>	forth
<b>application/x-gooddata-maql</b>	maql
<b>application/x-httpd-lasso[89]</b>	html+lasso
<b>application/x-httpd-php5</b>	html+php
<b>application/x-hy</b>	hylang
<b>application/x-hybris</b>	hy hybris
<b>application/x-jinja</b>	django jinja
<b>application/x-jsp</b>	jsp
<b>application/x-julia</b>	j1 julia
<b>application/x-kid</b>	genshi kid xml+genshi xml+kid
<b>application/x-lua</b>	lua
<b>application/x-mako</b>	mako
<b>application/x-mason</b>	mason
<b>application/x-moonscript</b>	moon moonscript

## MIME Types

## WikiProcessors

<b>application/x-myghty</b>	myghty
<b>application/x-newlisp</b>	newlisp
<b>application/x-openedge</b>	abl openedge progress
<b>application/x-perl</b>	perl pl
<b>application/x-perl6</b>	perl6 pl6
<b>application/x-pygments-tokens</b>	raw
<b>application/x-pypylog</b>	pypy pypylog
<b>application/x-python2</b>	py2 python2
<b>application/x-python3</b>	py py3 python python3 sage
<b>application/x-qt.qbs+qml</b>	qbs qml
<b>application/x-racket</b>	racket rkt
<b>application/x-ruby</b>	duby rb ruby
<b>application/x-ruby-templating</b>	erb
<b>application/x-sas</b>	sas
<b>application/x-scheme</b>	scheme scm
<b>application/x-sh-session</b>	console shell-session
<b>application/x-shen</b>	shen
<b>application/x-smarty</b>	smarty
<b>application/x-spitfire</b>	cheetah spitfire
<b>application/x-ssp</b>	ssp
<b>application/x-standardml</b>	sml
<b>application/x-stata</b>	do stata
<b>application/x-tcl</b>	tcl
<b>application/x-terraform</b>	terraform tf
<b>application/x-thrift</b>	thrift
<b>application/x-troff</b>	roff troff
<b>application/x-turtle</b>	turtle
<b>application/x-twig</b>	twig
<b>application/x-urbiscript</b>	urbiscript
<b>application/x-yaml</b>	yaml
<b>application/xhtml+xml</b>	html
<b>application/xml+evoque</b>	xml+evoque
<b>application/xml+jinja</b>	xml+django xml+jinja
<b>application/xml+lasso</b>	xml+lasso
<b>application/xml+mako</b>	xml+mako
<b>application/xml+myghty</b>	xml+myghty
<b>application/xml+php</b>	xml+php
<b>application/xml+ruby</b>	xml+erb xml+ruby
<b>application/xml+smarty</b>	xml+smarty
<b>application/xml+spitfire</b>	xml+cheetah xml+spitfire
<b>application/xml+velocity</b>	xml+velocity
<b>application/xml-dtd</b>	dtd
<b>application/xquery</b>	xq xql xqm xquery xqy

## MIME Types

## WikiProcessors

<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>message/rfc822</b>	email eml
<b>model/vrml</b>	vrml wrl
<b>multipart/alternative</b>	mime
<b>text/actionscript</b>	actionscript as
<b>text/actionscript3</b>	actionscript3 as3
<b>text/basic</b>	basic qbasic
<b>text/coffeescript</b>	coffee coffee-script coffeescript
<b>text/css</b>	css
<b>text/css+genshi</b>	css+genshi css+genshitext
<b>text/css+jinja</b>	css+django css+jinja
<b>text/css+lasso</b>	css+lasso
<b>text/css+mako</b>	css+mako
<b>text/css+myghty</b>	css+myghty
<b>text/css+php</b>	css+php
<b>text/css+ruby</b>	css+erb css+ruby
<b>text/css+smarty</b>	css+smarty
<b>text/gettext</b>	po pot
<b>text/html</b>	htm
<b>text/html+evoque</b>	html+evoque
<b>text/html+genshi</b>	html+genshi html+kid
<b>text/html+jinja</b>	html+django html+jinja htmdldjango
<b>text/html+mako</b>	html+mako
<b>text/html+myghty</b>	html+myghty
<b>text/html+ruby</b>	html+erb html+ruby rhtml
<b>text/html+smarty</b>	html+smarty
<b>text/html+spitfire</b>	html+cheetah html+spitfire htmlcheetah
<b>text/html+twig</b>	html+twig
<b>text/html+velocity</b>	html+velocity
<b>text/idl</b>	idl
<b>text/inf</b>	cfg dosini ini
<b>text/ipf</b>	igor igorpro
<b>text/javascript</b>	javascript js
<b>text/javascript+genshi</b>	javascript+genshi javascript+genshitext js+genshi js+genshitext
<b>text/javascript+jinja</b>	javascript+django javascript+jinja js+django js+jinja
<b>text/javascript+lasso</b>	javascript+lasso js+lasso
<b>text/javascript+mako</b>	javascript+mako js+mako
<b>text/javascript+mygthy</b>	javascript+myghty js+myghty

## MIME Types

**text/javascript+php**  
**text/javascript+ruby**  
**text/javascript+smarty**  
**text/javascript+spitfire**  
  
**text/jsgf**  
**text/juttle**  
**text/limbo**  
**text/livescript**  
**text/matlab**  
**text/ncl**  
**text/octave**  
**text/odin**  
  
**text/plain**  
**text/prs.fallenstein.rst**  
**text/rsl**  
**text/rust**  
**text/scilab**  
**text/shex**  
**text/smali**  
**text/supercollider**  
**text/swig**  
**text/troff**  
**text/unicon**  
**text/x-abap**  
**text/x-abnf**  
**text/x-ada**  
**text/x-agda**  
**text/x-alloy**  
**text/x-ambienttalk**  
**text/x-apacheconf**  
**text/x-arduino**  
**text/x-asp**  
**text/x-aspectj**  
**text/x-asymptote**  
**text/x-autohotkey**  
**text/x-autoit**  
**text/x-bb**  
**text/x-bbcode**  
**text/x-bibtex**  
**text/x-bmx**  
**text/x-bnf**

## WikiProcessors

javascript+php js+php  
javascript+erb javascript+ruby js+erb js+ruby  
javascript+smarty js+smarty  
javascript+cheetah javascript+spitfire  
js+cheetah js+spitfire  
  
jsgf  
juttle  
limbo  
live-script livescript  
matlab  
ncl  
octave  
odin  
  
AUTHORS COPYING ChangeLog INSTALL README  
RELEASE TXT text txt  
rest restructuredtext rst  
rsl  
rs rust  
scilab  
shex shexc  
smali  
sc supercollider  
swig  
groff man nroff  
unicon  
abap  
abnf  
ada ada2005 ada95 adb ads  
agda  
alloy  
ambienttalk ambienttalk/2 at  
aconf apache apacheconf  
arduino  
asp  
aspectj  
asy asymptote  
ahk autohotkey  
autoit  
b3d blitzbasic bplus  
bbcode  
bib bibtex  
blitzmax bmax  
bnf

## MIME Types

## WikiProcessors

<b>text/x-boo</b>	boo
<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-c-objdump</b>	c-objdump
<b>text/x-ceylon</b>	ceylon
<b>text/x-chdr</b>	chdr h
<b>text/x-cirru</b>	cirru
<b>text/x-clay</b>	clay
<b>text/x-cmake</b>	cmake
<b>text/x-cobol</b>	cobol
<b>text/x-common-lisp</b>	cl common-lisp lisp
<b>text/x-component-pascal</b>	componentpascal cp
<b>text/x-coq</b>	coq
<b>text/x-cpp-objdump</b>	c++-objdumb cpp-objdump cxx-objdump
<b>text/x-crocsrc</b>	croc
<b>text/x-cryptol</b>	cry cryptol
<b>text/x-crystal</b>	cr crystal
<b>text/x-csharp</b>	C# c# cs csharp
<b>text/x-csrc</b>	c csrc xs
<b>text/x-cuda</b>	cu cuda
<b>text/x-d-objdump</b>	d-objdump
<b>text/x-dart</b>	dart
<b>text/x-dasm16</b>	dasm16
<b>text/x-dg</b>	dg
<b>text/x-diff</b>	patch
<b>text/x-dockerfile-config</b>	docker dockerfile
<b>text/x-dsrc</b>	d
<b>text/x-dylan</b>	dylan
<b>text/x-dylan-console</b>	dylan-console dylan-repl
<b>text/x-dylan-lid</b>	dylan-lid lid
<b>text/x-earl-grey</b>	earl-grey earlgrey eg
<b>text/x-easytrieve</b>	easytrieve
<b>text/x-ebnf</b>	ebnf
<b>text/x-ecsrc</b>	ec
<b>text/x-eiffel</b>	e eiffel
<b>text/x-elisp</b>	el
<b>text/x-elixir</b>	elixir ex exs
<b>text/x-elixir-shellsession</b>	iex
<b>text/x-elm</b>	elm
<b>text/x-erl-shellsession</b>	erl
<b>text/x-erlang</b>	erlang
<b>text/x-ezhil</b>	ezhil
<b>text/x-factor</b>	factor

## MIME Types

## WikiProcessors

<b>text/x-fancysrc</b>	fancy fy
<b>text/x-felix</b>	felix flx
<b>text/x-flatline</b>	flatline
<b>text/x-fortran</b>	f fortran
<b>text/x-freefem</b>	freefem
<b>text/x-fsharp</b>	f# fsharp
<b>text/x-gas</b>	asm gas
<b>text/x-genshi</b>	genshitext
<b>text/x-gherkin</b>	cucumber gherkin
<b>text/x-glslsrc</b>	glsl
<b>text/x-gnuplot</b>	gnuplot
<b>text/x-gooddata-cl</b>	gooddata-cl
<b>text/x-gosrc</b>	go
<b>text/x-gosu</b>	gosu
<b>text/x-gosu-template</b>	gst
<b>text/x-groovy</b>	groovy
<b>text/x-haml</b>	haml
<b>text/x-handlebars-template</b>	html+handlebars
<b>text/x-haskell</b>	haskell hs
<b>text/x-hlsl</b>	hlsl
<b>text/x-hsail</b>	hsa hsail
<b>text/x-hx</b>	haxe hx hxsl
<b>text/x-idl</b>	ice
<b>text/x-idris</b>	idr idris
<b>text/x-inf</b>	inf
<b>text/x-iokesrc</b>	ik ioke
<b>text/x-iosrc</b>	io
<b>text/x-irclog</b>	irc
<b>text/x-isabelle</b>	isabelle
<b>text/x-j</b>	j
<b>text/x-jade</b>	jade pug
<b>text/x-java</b>	java
<b>text/x-java-properties</b>	jproperties properties
<b>text/x-jbst</b>	duel jbst jsonml+bst
<b>text/x-jcl</b>	jcl
<b>text/x-kconfig</b>	kconfig kernel-config linux-config menuconfig
<b>text/x-koka</b>	koka
<b>text/x-kotlin</b>	kotlin
<b>text/x-lasso</b>	lasso lassoscript
<b>text/x-latex</b>	latex tex
<b>text/x-lean</b>	lean
<b>text/x-less-css</b>	less
<b>text/x-lighttpd-conf</b>	lighttpd lighty

## MIME Types

**text/x-literate-agda**  
**text/x-literate-cryptol**  
**text/x-literate-haskell**  
**text/x-literate-idris**  
**text/x-llvm**  
**text/x-logos**  
**text/x-logtalk**  
**text/x-lsl**  
**text/x-m4**  
**text/x-mail**  
  
**text/x-makefile**  
  
**text/x-markdown**  
**text/x-mask**  
**text/x-minidsrc**  
**text/x-modelica**  
**text/x-modula2**  
**text/x-monkey**  
**text/x-moocode**  
**text/x-mql**  
**text/x-mysql**  
**text/x-nasm**  
**text/x-nasm-objdump**  
**text/x-nemerle**  
**text/x-nescsrc**  
**text/x-newspeak**  
**text/x-nginx-conf**  
**text/x-nim**  
**text/x-nix**  
**text/x-nsis**  
**text/x-objc**  
**text/x-objdump**  
**text/x-objective-c**  
**text/x-objective-c++**  
**text/x-objective-j**  
**text/x-ocaml**  
**text/x-ooc**  
**text/x-opa**  
**text/x-parasail**  
**text/x-pascal**  
**text/x-patch**  
**text/x-pawn**  
**text/x-perl**

## WikiProcessors

lagda literate-agda  
lcry lcryptol literate-cryptol  
lhaskell lhs literate-haskell  
lidr lidris literate-idris  
llvm  
logos  
logtalk  
lsl  
m4  
mail  
GNUMakefile Makefile bsdmake make makefile mf  
mk  
md  
mask  
minid  
modelica  
m2 modula2  
monkey  
moo moocode  
mq4 mq5 mql mql4 mql5  
mysql  
nasm  
objdump-nasm  
nemerle  
nesc  
newspeak  
nginx nginx-conf  
nim nimrod  
nix nixos  
nsh nsi nsis  
m mm  
objdump  
obj-c objc objective-c objectivec  
obj-c++ objc++ objective-c++ objectivec++  
obj-j objective-j objectivej objj  
ml mli ocaml  
ooc  
opa  
parasail  
delphi objectpascal pas pascal  
diff udiff  
pawn  
PL pm



<b>MIME Types</b>	<b><u>WikiProcessors</u></b>
<b>text/x-php</b>	php php3 php4 php5
<b>text/x-pig</b>	pig
<b>text/x-pike</b>	pike
<b>text/x-plpgsql</b>	plpgsql
<b>text/x-postgresql</b>	postgres postgresql
<b>text/x-postgresql-psql</b>	postgres-console postgresql-console psql
<b>text/x-povray</b>	pov
<b>text/x-powershell</b>	posh powershell ps1 psm1
<b>text/x-prolog</b>	prolog
<b>text/x-psp</b>	psp
<b>text/x-python-doctest</b>	pycon python-doctest
<b>text/x-python2-traceback</b>	py2tb
<b>text/x-python3-traceback</b>	py3tb pytb
<b>text/x-r-doc</b>	rd
<b>text/x-r-profile</b>	r s plus
<b>text/x-rebol</b>	rebol
<b>text/x-red-system</b>	red red/system
<b>text/x-rexx</b>	arexx rexx
<b>text/x-rfc</b>	rfc
<b>text/x-robotframework</b>	robotframework
<b>text/x-rpm-spec</b>	spec
<b>text/x-rql</b>	rql
<b>text/x-ruby-shellsession</b>	irb rbcon
<b>text/x-sarl</b>	sarl
<b>text/x-sass</b>	sass
<b>text/x-scala</b>	scala
<b>text/x-scaml</b>	scaml
<b>text/x-scss</b>	scss
<b>text/x-shellscript</b>	bash ksh sh shell zsh
<b>text/x-slim</b>	slim
<b>text/x-sls</b>	salt sls yaml+jinja
<b>text/x-smalltalk</b>	smalltalk squeak st
<b>text/x-snobol</b>	snobol
<b>text/x-sourcepawn</b>	sp
<b>text/x-sql</b>	sql
<b>text/x-sqlite3-console</b>	sqlite3
<b>text/x-squidconf</b>	squid squid.conf squidconf
<b>text/x-swift</b>	swift
<b>text/x-systemverilog</b>	sv systemverilog
<b>text/x-tasm</b>	tasm
<b>text/x-tea</b>	tea
<b>text/x-teratermmacro</b>	teraterm teratermmacro ttl
<b>text/x-textile</b>	textile txtl

<b>MIME Types</b>	<b><u>WikiProcessors</u></b>
<b>text/x-todo</b>	todotxt
<b>text/x-trac-wiki</b>	moin trac-wiki
<b>text/x-tsql</b>	t-sql tsql
<b>text/x-typescript</b>	ts typescript
<b>text/x-typoscript</b>	typoscript
<b>text/x-vala</b>	vala vapi
<b>text/x-vba</b>	bas vb vb.net vba vbnet
<b>text/x-vclsnippet</b>	vclsnippet vclsnippets
<b>text/x-vclsrc</b>	vcl
<b>text/x-verilog</b>	v verilog
<b>text/x-vhdl</b>	vhd vhdl
<b>text/x-vim</b>	vim
<b>text/x-whiley</b>	whiley
<b>text/x-windows-registry</b>	registry
<b>text/x-x10</b>	x10 xten
<b>text/x-xtend</b>	xtend
<b>text/x-yaml</b>	yaml
<b>text/zig</b>	zig

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See also: [Wiki Processors](#), [Wiki Formatting](#), [Trac Wiki](#), [Trac Browser](#)