

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

MIME Types

WikiProcessors

<code>application/x-julia</code>	<code>j1 julia</code>
<code>application/x-kid</code>	<code>genshi kid xml+genshi xml+kid</code>
<code>application/x-lua</code>	<code>lua</code>
<code>application/x-mako</code>	<code>mako</code>
<code>application/x-mason</code>	<code>mason</code>
<code>application/x-moonscript</code>	<code>moon moonscript</code>
<code>application/x-myghty</code>	<code>myghty</code>
<code>application/x-newlisp</code>	<code>newlisp</code>
<code>application/x-openedge</code>	<code>abl openedge progress</code>
<code>application/x-perl</code>	<code>perl pl</code>
<code>application/x-perl6</code>	<code>perl6 pl6</code>
<code>application/x-pygments-tokens</code>	<code>raw</code>
<code>application/x-pypylog</code>	<code>pypy pypylog</code>
<code>application/x-python2</code>	<code>py2 python2</code>
<code>application/x-python3</code>	<code>py py3 python python3 sage</code>
<code>application/x-qt.qbs+qml</code>	<code>qbs qml</code>
<code>application/x-racket</code>	<code>racket rkt</code>
<code>application/x-ruby</code>	<code>duby rb ruby</code>
<code>application/x-ruby-templating</code>	<code>erb</code>
<code>application/x-sas</code>	<code>sas</code>
<code>application/x-scheme</code>	<code>scheme scm</code>
<code>application/x-sh-session</code>	<code>console shell-session</code>
<code>application/x-shen</code>	<code>shen</code>
<code>application/x-smarty</code>	<code>smarty</code>
<code>application/x-spitfire</code>	<code>cheetah spitfire</code>
<code>application/x-ssp</code>	<code>ssp</code>
<code>application/x-standardml</code>	<code>sml</code>
<code>application/x-stata</code>	<code>do stata</code>
<code>application/x-tcl</code>	<code>tcl</code>
<code>application/x-terraform</code>	<code>terraform tf</code>
<code>application/x-thrift</code>	<code>thrift</code>
<code>application/x-troff</code>	<code>roff troff</code>
<code>application/x-turtle</code>	<code>turtle</code>
<code>application/x-twig</code>	<code>twig</code>
<code>application/x-urbiscript</code>	<code>urbiscript</code>
<code>application/x-yaml</code>	<code>yaml</code>
<code>application/xhtml+xml</code>	<code>html</code>
<code>application/xml+evoque</code>	<code>xml+evoque</code>
<code>application/xml+jinja</code>	<code>xml+django xml+jinja</code>

MIME Types

WikiProcessors

application/xml+lasso	xml+lasso
application/xml+mako	xml+mako
application/xml+myghty	xml+myghty
application/xml+php	xml+php
application/xml+ruby	xml+erb xml+ruby
application/xml+smarty	xml+smarty
application/xml+spitfire	xml+cheetah xml+spitfire
application/xml+velocity	xml+velocity
application/xml-dtd	dtd
application/xquery	xq xql xqm xquery xqy
application/xsl+xml	xsl
application/xslt+xml	xslt
image/svg+xml	svg
image/x-icon	ico
message/rfc822	email eml
model/vrml	vrml wrl
multipart/alternative	mime
text/actionscript	actionscript as
text/actionscript3	actionscript3 as3
text/basic	basic qbasic
text/coffeescript	coffee coffee-script coffeescript
text/css	css
text/css+genshi	css+genshi css+genshitext
text/css+jinja	css+django css+jinja
text/css+lasso	css+lasso
text/css+mako	css+mako
text/css+myghty	css+myghty
text/css+php	css+php
text/css+ruby	css+erb css+ruby
text/css+smarty	css+smarty
text/gettext	po pot
text/html	htm
text/html+evoque	html+evoque
text/html+genshi	html+genshi html+kid
text/html+jinja	html+django html+jinja htmldjango
text/html+mako	html+mako
text/html+myghty	html+myghty
text/html+ruby	html+erb html+ruby rhtml
text/html+smarty	html+smarty

MIME Types	<u>WikiProcessors</u>
text/html+spitfire	html+cheetah html+spitfire htmlcheetah
text/html+twig	html+twig
text/html+velocity	html+velocity
text/idl	idl
text/inf	cfg dosini ini
text/ipf	igor igorpro
text/javascript	javascript js
text/javascript+genshi	javascript+genshi javascript+genshitext js+genshi js+genshitext
text/javascript+jinja	javascript+django javascript+jinja js+django js+jinja
text/javascript+lasso	javascript+lasso js+lasso
text/javascript+mako	javascript+mako js+mako
text/javascript+mygthy	javascript+mygthy js+mygthy
text/javascript+php	javascript+php js+php
text/javascript+ruby	javascript+erb javascript+ruby js+erb js+ruby
text/javascript+smarty	javascript+smarty js+smarty
text/javascript+spitfire	javascript+cheetah javascript+spitfire js+cheetah js+spitfire
text/jsgf	jsgf
text/juttle	juttle
text/limbo	limbo
text/livescript	live-script livescript
text/matlab	matlab
text/ncl	ncl
text/octave	octave
text/odin	odin
text/plain	AUTHORS COPYING ChangeLog INSTALL README RELEASE TXT text txt
text/prs.fallenstein.rst	rest restructuredtext rst
text/rsl	rsl
text/rust	rs rust
text/scilab	scilab
text/shex	shex shexc
text/smali	smali
text/supercollider	sc supercollider
text/swig	swig
text/troff	groff man nroff
text/unicorn	unicorn
text/x-abap	abap

MIME Types	<u>WikiProcessors</u>
<code>text/x-abnf</code>	abnf
<code>text/x-ada</code>	ada ada2005 ada95 adb ads
<code>text/x-agda</code>	agda
<code>text/x-alloy</code>	alloy
<code>text/x-ambienttalk</code>	ambienttalk ambienttalk/2 at
<code>text/x-apacheconf</code>	aconf apache apacheconf
<code>text/x-arduino</code>	arduino
<code>text/x-asp</code>	asp
<code>text/x-aspectj</code>	aspectj
<code>text/x-asymptote</code>	asy asymptote
<code>text/x-autohotkey</code>	ahk autohotkey
<code>text/x-autoit</code>	autoit
<code>text/x-bb</code>	b3d blitzbasic bplus
<code>text/x-bbcode</code>	bbcode
<code>text/x-bibtex</code>	bib bibtex
<code>text/x-bmx</code>	blitzmax bmax
<code>text/x-bnf</code>	bnf
<code>text/x-boo</code>	boo
<code>text/x-c++hdr</code>	H HH c++hdr hh hpp
<code>text/x-c++src</code>	C C++ CC c++ c++src cc cpp
<code>text/x-c-objdump</code>	c-objdump
<code>text/x-ceylon</code>	ceylon
<code>text/x-chdr</code>	chdr h
<code>text/x-cirru</code>	cirru
<code>text/x-clay</code>	clay
<code>text/x-cmake</code>	cmake
<code>text/x-cobol</code>	cobol
<code>text/x-common-lisp</code>	cl common-lisp lisp
<code>text/x-component-pascal</code>	componentpascal cp
<code>text/x-coq</code>	coq
<code>text/x-cpp-objdump</code>	c++-objdumb cpp-objdump cxx-objdump
<code>text/x-crocsrc</code>	croc
<code>text/x-cryptol</code>	cry cryptol
<code>text/x-crystal</code>	cr crystal
<code>text/x-csharp</code>	C# c# cs csharp
<code>text/x-csrc</code>	c csrc xs
<code>text/x-cuda</code>	cu cuda
<code>text/x-d-objdump</code>	d-objdump
<code>text/x-dart</code>	dart

MIME Types

WikiProcessors

text/x-dasm16	dasm16
text/x-dg	dg
text/x-diff	patch
text/x-dockerfile-config	docker dockerfile
text/x-dsrc	d
text/x-dylan	dylan
text/x-dylan-console	dylan-console dylan-repl
text/x-dylan-lid	dylan-lid lid
text/x-earl-grey	earl-grey earlgrey eg
text/x-easytrieve	easytrieve
text/x-ebnf	ebnf
text/x-ecsrc	ec
text/x-eiffel	e eiffel
text/x-elisp	el
text/x-elixir	elixir ex exs
text/x-elixir-shellsession	iex
text/x-elm	elm
text/x-erl-shellsession	erl
text/x-erlang	erlang
text/x-ezhil	ezhil
text/x-factor	factor
text/x-fancysrc	fancy fy
text/x-felix	felix flx
text/x-flatline	flatline
text/x-fortran	f fortran
text/x-freefem	freefem
text/x-fsharp	f# fsharp
text/x-gas	asm gas
text/x-genshi	genshitext
text/x-gherkin	cucumber gherkin
text/x-glslsrc	glsl
text/x-gnuplot	gnuplot
text/x-gooddata-cl	gooddata-cl
text/x-gosrc	go
text/x-gosu	gosu
text/x-gosu-template	gst
text/x-groovy	groovy
text/x-haml	haml
text/x-handlebars-template	html+handlebars

MIME Types	<u>WikiProcessors</u>
text/x-haskell	haskell hs
text/x-hls1	hls1
text/x-hsail	hsa hsail
text/x-hx	haxe hx hxsl
text/x-id1	ice
text/x-idris	idr idris
text/x-inf	inf
text/x-iokesrc	ik ioke
text/x-iosrc	io
text/x-irclog	irc
text/x-isabelle	isabelle
text/x-j	j
text/x-jade	jade pug
text/x-java	java
text/x-java-properties	jproperties properties
text/x-jbst	duel jbst jsonml+bst
text/x-jcl	jcl
text/x-kconfig	kconfig kernel-config linux-config menuconfig
text/x-koka	koka
text/x-kotlin	kotlin
text/x-lasso	lasso lassoscript
text/x-latex	latex tex
text/x-lean	lean
text/x-less-css	less
text/x-lighttpd-conf	lighttpd lighty
text/x-literate-agda	lagda literate-agda
text/x-literate-cryptol	lcry lcryptol literate-cryptol
text/x-literate-haskell	lhaskell lhs literate-haskell
text/x-literate-idris	lidr lidris literate-idris
text/x-llvm	llvm
text/x-logos	logos
text/x-logtalk	logtalk
text/x-lsl	lsl
text/x-m4	m4
text/x-mail	mail
text/x-makefile	GNUMakefile Makefile bsdmake make makefile mf mk
text/x-markdown	md
text/x-mask	mask
text/x-minidsrc	minid

MIME Types	<u>WikiProcessors</u>
text/x-modelica	modelica
text/x-modula2	m2 modula2
text/x-monkey	monkey
text/x-moocode	moo moocode
text/x-mql	mq4 mq5 mql mql4 mql5
text/x-mysql	mysql
text/x-nasm	nasm
text/x-nasm-objdump	objdump-nasm
text/x-nemerle	nemerle
text/x-nescsrc	nesc
text/x-newspeak	newspeak
text/x-nginx-conf	nginx nginx-conf
text/x-nim	nim nimrod
text/x-nix	nix nixos
text/x-nsis	nsh nsi nsis
text/x-objc	m mm
text/x-objdump	objdump
text/x-objective-c	obj-c objc objective-c objectivec
text/x-objective-c++	obj-c++ objc++ objective-c++ objectivec++
text/x-objective-j	obj-j objective-j objectivej objj
text/x-ocaml	ml mli ocaml
text/x-ooc	ooc
text/x-opa	opa
text/x-parasail	parasail
text/x-pascal	delphi objectpascal pas pascal
text/x-patch	diff udiff
text/x-pawn	pawn
text/x-perl	PL pm
text/x-php	php php3 php4 php5
text/x-pig	pig
text/x-pike	pike
text/x-plpgsql	plpgsql
text/x-postgresql	postgres postgresql
text/x-postgresql-psql	postgres-console postgresql-console psql
text/x-povray	pov
text/x-powershell	posh powershell ps1 psm1
text/x-prolog	prolog
text/x-psp	psp
text/x-python-doctest	pycon python-doctest

MIME Types

WikiProcessors

text/x-python2-traceback	py2tb
text/x-python3-traceback	py3tb pytb
text/x-r-doc	rd
text/x-r-profile	r s splus
text/x-rebol	rebol
text/x-red-system	red red/system
text/x-rexx	arexx rexx
text/x-rfc	rfc
text/x-robotframework	robotframework
text/x-rpm-spec	spec
text/x-rql	rql
text/x-ruby-shellsession	irb rbcon
text/x-sarl	sarl
text/x-sass	sass
text/x-scala	scala
text/x-scaml	scaml
text/x-scss	scss
text/x-shellscript	bash ksh sh shell zsh
text/x-slim	slim
text/x-sls	salt sls yaml+jinja
text/x-smalltalk	smalltalk squeak st
text/x-snobol	snobol
text/x-sourcepawn	sp
text/x-sql	sql
text/x-sqlite3-console	sqlite3
text/x-squidconf	squid squid.conf squidconf
text/x-swift	swift
text/x-systemverilog	sv systemverilog
text/x-tasm	tasm
text/x-tea	tea
text/x-teratermmacro	teraterm teratermmacro ttl
text/x-textile	textile txtl
text/x-todo	todotxt
text/x-trac-wiki	moin trac-wiki
text/x-tsql	t-sql tsql
text/x-typescript	ts typescript
text/x-typoscript	typoscript
text/x-vala	vala vapi
text/x-vba	bas vb vb.net vba vbnet

MIME Types	<u>WikiProcessors</u>
text/x-vclsnippet	vclsnippet vclsnippets
text/x-vclsrc	vcl
text/x-verilog	v verilog
text/x-vhdl	vhd vhdl
text/x-vim	vim
text/x-whiley	whiley
text/x-windows-registry	registry
text/x-x10	x10 xten
text/x-xtend	xtend
text/x-yaml	yaml
text/zig	zig

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