

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

MIME Types

WikiProcessors

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

MIME Types

WikiProcessors

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 htmdldjango
text/html+mako	html+mako
text/html+myghty	html+myghty
text/html+ruby	html+erb html+ruby rhtml
text/html+smarty	html+smarty
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+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

text/x-boo	boo
text/x-c++hdr	H HH c++hdr hh hpp
text/x-c++src	C C++ CC c++ c++src cc cpp
text/x-c-objdump	c-objdump
text/x-ceylon	ceylon
text/x-chdr	chdr h
text/x-cirru	cirru
text/x-clay	clay
text/x-cmake	cmake
text/x-cobol	cobol
text/x-common-lisp	cl common-lisp lisp
text/x-component-pascal	componentpascal cp
text/x-coq	coq
text/x-cpp-objdump	c++-objdumb cpp-objdump cxx-objdump
text/x-crocsr	croc
text/x-cryptol	cry cryptol
text/x-crystal	cr crystal
text/x-csharp	C# c# cs csharp
text/x-csrc	c csrc xs
text/x-cuda	cu cuda
text/x-d-objdump	d-objdump
text/x-dart	dart
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

MIME Types

WikiProcessors

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
text/x-haskell	haskell hs
text/x-hlsl	hlsl
text/x-hsail	hsa hsail
text/x-hx	haxe hx hxsl
text/x-idl	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

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

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

MIME Types	<u>WikiProcessors</u>
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
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](#)