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🚦 Tree-Sitter parsers for Emacs 🚧

TreeSitter parsers	Supported by PEL	User-option control	tree-sitter mode	Language grammar	With 𝛴iMenu support	With 𝛴 Speedbar support	Status of the Tree-Sitter aware major mode	Features working in the tree-sitter mode	Language Server	
Last updated on: 2025-12-27 See Also: • 𝛴 **Tree Sitter** • Using tree-sitter with Emacs and PEL • **List of Tree-Sitter parsers**	Indicates yes only when explicitly supported by PEL code.	The name and value of PEL user option that control whether Tree-Sitter aware mode is used.	The name of the major mode command that are tree-sitter based. Modes names in **black** are built-in Emacs. The others have a link	Name and link to the project providing the language grammar. If an entry is required in **treesit-load-name-override-list** it is identified here.	Whether all commands based on imenu work in tree-sitter mode.	Whether Speedbar support works for the tree-sitter based mode.	Identify any known problem here. Later this will be expanded to several features			

- Ada 🚧	Yes	pel-use-ada	ada-ts-mode	tree-sitter-langs ➡ briot/tree-sitter-ada	Yes	Yes	The ada-ts-mode is a great implementation!	• outline-minor-mode. See 𝛴 **Outline**
								• syntax-highligting: 4 levels: controlled by **treesit-font-lock-level**
								• flexible/precise indentation control with several indentation back-ends:
								  • tree-sitter based (the default), very flexible with 9 customizable user-options.
								  • LSP back-end (a formatter instead of indentation engine)		

- AppleScript				No grammar found yet.						
APL 🚧				No grammar found yet.						
- Arc ⓕⓜ				No grammar found yet, but perhaps a scheme syntax could be used.						
- awk ⓓ				Beaglefoot/tree-sitter-awk						
- C Ⓢ	Yes	pel-use-c		tree-sitter-langs ➡ tree-sitter/tree-sitter-c						
C# 🚧 future										
- C++ ⓞⓈ	Yes	pel-use-c++		tree-sitter-langs ➡ tree-sitter/tree-sitter-cpp						
- C3 Ⓢ	Yes	pel-use-c3	**c3-ts-mode**	github.com/c3lang/tree-sitter-c3	Yes	Yes	Basic: highlighting, iMenu and Speedbar work fine. No support for navigation commands as of December 2025.			
Carbon 🚧 future Ⓢ				No grammar found yet.						
- Chez ⓕⓜ				No grammar found yet, but perhaps a scheme syntax could be used.						
- Chibi ⓕⓜ				No grammar found yet, but perhaps a scheme syntax could be used.						
- Chicken ⓕⓜ				No grammar found yet, but perhaps a scheme syntax could be used.						
- Clojure ⓕⓜ				tree-sitter-langs ➡ sogaiu/tree-sitter-clojure						
Common Lisp ⓕⓜ				tree-sitter-langs ➡ tree-sitter-grammars/tree-sitter-commonlisp						
Crystal 🚧				crystal-lang-tools/tree-sitter-crystal						

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PEL - D ⓘⓕⒶ				tree-sitter-langs ➡ CyberShadow/tree-sitter-d						
PEL - Dart	Yes	pel-use-dart	dart-ts-mode	tree-sitter-langs ➡ UserNobody14/tree-sitter-dart	Yes, only with dart-ts-mode	Yes, only with dart-ts-mode	OK			
PEL - Eiffel ⓞⓈ				No grammar found yet.						
PEL - Elm Ⓕ				tree-sitter-langs ➡ elm-tooling/tree-sitter-elm						
PEL - Elixir ⓒⓜⓕⒶ	Yes	pel-use-elixir	elixir-ts-mode	tree-sitter-langs ➡ elixir-lang/tree-sitter-elixir	Yes	Yes	OK			
PEL - Emacs Lisp				tree-sitter-langs ➡ Wilfred/tree-sitter-elisp						
PEL - Erlang ⓒⓕⒶ	Yes	pel-use-erlang	erlang-ts-mode	tree-sitter-langs ➡ WhatsApp/tree-sitter-erlang	Yes	Yes	As of this writing, this is an early version. Fontification only works for comments. Maintainers of erlang-ts-mode would appreciate help.			
PEL - Factor Ⓚⓕⓞⓜ	No: As of Emacs 30.2 there is no factor-ts-mode			No grammar found yet.			Nothing found yet.			
PEL - Forth Ⓚ	No: As of Emacs 30.2 there is no forth-ts-mode			AlexanderBrevig/tree-sitter-forth	Yes	Yes	Nothing found yet.			
Fortran				tree-sitter-langs ➡ stadelmanma/tree-sitter-fortran						
PEL - Gambit ⓕⓜ				No grammar found yet, but perhaps a scheme syntax could be used.						
PEL - Gerbil ⓕⓜⒶ				No grammar found yet, but perhaps a scheme syntax could be used.						
PEL - GNU Guile ⓕⓜ				No grammar found yet, but perhaps a scheme syntax could be used.						
PEL - Gleam	Yes	See note ➡	gleam-ts-mode	tree-sitter-langs ➡ tree-sitter-gleam	Yes	Yes	OK	Note: Gleam is only supported by a Tree-Sitter aware mode. There's no classic mode for Gleam.		
PEL - Go Ⓢ	Yes	pel-use-go	go-ts-mode	tree-sitter-langs ➡ tree-sitter-go	Yes	Yes	OK			
PEL - Go go.mod	Yes	pel-use-go	go-mod-ts-mode	tree-sitter-go-mod	Yes	Yes	OK			
Groovy				tree-sitter-langs ➡ Decodetalkers/tree-sitter-groovy						
PEL - Haskell Ⓕ				tree-sitter-langs ➡ tree-sitter/tree-sitter-haskell						
Haxe				tree-sitter-langs ➡ vantreeseba/tree-sitter-haxe						
PEL - Hy (python) ⓜ				No grammar found yet.						
PEL - Janet ⓘⓕⓜ				• tree-sitter-langs ➡ sogaiu/tree-sitter-janet-simple , • GrayJack/tree-sitter-janet						
PEL - Java				tree-sitter-langs ➡ tree-sitter/tree-sitter-java						

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PEL - Javascript	Yes	pel-use-js	js-ts-mode	tree-sitter-langs ➡ tree-sitter/tree-sitter-javascript	Yes	Yes	OK			
PEL - Julia ⓜ				tree-sitter-langs ➡ tree-sitter/tree-sitter-julia						
Kotlin				tree-sitter-langs ➡ fwcd/tree-sitter-kotlin						
PEL - LFE ⓒⓜⓕⒶ				No grammar found yet.						
PEL -Lua ⓕ ⓞ Ⓟ	Yes	pel-use-lua	lua-ts-mode	tree-sitter-grammars/tree-sitter-lua	Yes	Yes	OK			
				tree-sitter-langs ➡ MunifTanjim/tree-sitter-lua ⚠️	Yes	Yes	• fortification does not work • The tree-sitter-lua project used by tree-sitter-langs seems unmaintained.			
PEL-Modula	No: As of Emacs 30.2 there is no modula-ts-mode			No grammar found yet.						
PEL - NetRexx	No: As of Emacs 30.2 there is no netrexx-ts-mode			No grammar found yet.			Nothing found yet.			
PEL - Nim ⓜⓈ	No: As of Emacs 30.2 there is no nim-ts-mode implemented yet.			alviss/tree-sitter-nim	No	Yes, but since iMenu is not supported, nothing shows.	Nothing found yet.			
PEL-Objective-C	No: As of Emacs 30.2 there is no known objc-ts-mode implemented yet.			• tree-sitter-grammars/tree-sitter-objc • merico-dev/tree-sitter-objc						
PEL - OCaml ⓘⓕ	No: there seems to be several tree-sitter aware major modes for OCaml but PEL does not yet support any as there does not seem to have a clear winner.			tree-sitter-langs ➡ tree-sitter/tree-sitter-ocaml			There seems to have several incomplete implementations: • terrateamio/ocaml-ts-mode • dmitrig/ocaml-ts-mode			
PEL - Odin Ⓢ			Sampie159/odin-ts-mode	tree-sitter-grammars/tree-sitter-odin					DanielGavin/ols	
PEL-Pascal	No: As of Emacs 30.2 there is no pascal-ts-mode			tree-sitter-langs ➡ isopod/tree-sitter-pascal			Nothing found yet.			
PEL - Perl (perl5)	No: As of Emacs 30.2 there is no perl-ts-mode implementation that has reached good enough stability.			tree-sitter-langs ➡ tree-sitter-perl/tree-sitter-perl	Yes	Yes	Under development, not yet ready: • sourcehut/pranshu/perl-ts-mode • HaraldJoerg/emacs-perl-ts-mode			
PEL - Pike 𝒹 ⓘ ⓞ	No: As of Emacs 30.2 there is no pike-ts-mode			No grammar found yet.			Nothing found yet.			
PEL - *Python* 𝒹ⓅⓄⓕ				tree-sitter-langs ➡ tree-sitter/tree-sitter-python						
PEL - Purescript Ⓕ				tree-sitter-langs ➡ postsolar/tree-sitter-purescript						
R ⓞ Ⓟ ⓕ ⓧ |				tree-sitter-langs ➡ r-lib/tree-sitter-r						
PEL - Racket ⓕⓜ				tree-sitter-langs ➡ 6cdh/tree-sitter-racket						
PEL - ReasonML				reasonml-editor/tree-sitter-reason			Nothing found yet.			

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PL - REXX	No: As of Emacs 30.2 there is no rexx-ts-mode			No grammar found yet.			Nothing found yet.			
PL - Ruby	Yes	pel-use-ruby	ruby-ts-mode	tree-sitter-langs ➡ tree-sitter/tree-sitter-ruby	Yes	Yes	OK			
PL - Rust Ⓢ	Yes	pel-use-rust	rust-ts-mode	tree-sitter-langs ➡ tree-sitter/tree-sitter-rust	Yes	Yes	OK			
Scala 🚧				tree-sitter-langs ➡ tree-sitter/tree-sitter-scala						
PL - Scheme ⓕⓜ				tree-sitter-langs ➡ 6cdh/tree-sitter-scheme						
PL-Seed7 🚧 ⓔ ⓖ ↗	No: As of Emacs 30.2 there is no seed7-ts-mode implemented yet.			No grammar found yet.	Yes, for seed7-mode	Yes, for seed7-mode	Nothing found yet.			
PL-Smalltalk 🚧 ⓞ				No grammar found yet.						
PL-Swift				tree-sitter-langs ➡ alex-pinkus/tree-sitter-swift						
PL - Tcl ⓕⓘ	No: As of Emacs 30.2 there is tcl-ts-mode implemented yet, even though the Tree-Siter grammar exists.			tree-sitter-langs ➡ tree-sitter/tree-sitter-tcl	Yes, for tcl-mode	Yes, for tcl-mode	Nothing found yet.			
PL - Typescript 🚧				tree-sitter-langs ➡ tree-sitter/tree-sitter-typescript						
PL - UNIX Shell										
PL - V	No: As of Emacs 30.2 there is v-ts-mode implemented yet, even though the Tree-Siter grammar exists.			No grammar found yet.			Nothing complete found yet. There is nedpals/tree-sitter-v but that does not seemed maintained.			
HDL - Verilog				tree-sitter-langs ➡ tree-sitter/tree-sitter-verilog						
HDL - VHDL				tree-sitter-langs ➡ alemuller/tree-sitter-vhdl						
PL -Zig Ⓢ	Yes	pel-use-zig	zig-ts-mode	tree-sitter-langs ➡ tree-sitter-grammars/tree-sitter-zig	Yes	Yes	With language grammar of 2025-10-13: • fortification does not work • incomplete indentation control • no format on save like zig-mode			
				maxxino/tree-sitter-zig	Yes	Yes	OK			