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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				
Last updated on: 2025-10-15 See Also: 𝛴 Tree Sitter	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 supports the tree-sitter based control. Modes names in black are built-in Emacs.	Name and link to the project providing the language grammar.	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	🚧 As PEL introduces explicit support for more major mode, new class will be filled. Once enough tree-sitter support is explicitly implemented, I will add explicit support for LSP and then check the support of various features like completion, navigation based on LSP and tree-sitter. I will then add more columns related to these features here and in the 🚦 Language Servers table.			
𝔓ℓ - Ada 🚧 ↝Ⓢ											
𝔓ℓ - AppleScript											
APL 🚧											
𝔓ℓ - Arc ⓕⓜ											
𝔓ℓ - awk ⓓ											
𝔓ℓ - C Ⓢ											
𝔓ℓ - C++ ⓄⓈ											
Carbon 🚧 future Ⓢ											
𝔓ℓ - Chez ⓕⓜ											
𝔓ℓ - Chibi ⓕⓜ											
𝔓ℓ - Chicken ⓕⓜ											
𝔓ℓ - Clojure ⓕⓜ											
Common Lisp ⓕⓜ											
Crystal 🚧											
𝔓ℓ - D ⓘⓕⒶ											
Dart 🚧											
𝔓ℓ - Eiffel 🚧 ⓄⓈ											
𝔓ℓ - Elm 🚧 Ⓕ											
𝔓ℓ - Elixir ⓒⓜⓕⒶ	Yes	pel-use-elixir	elixir-ts-mode	tree-sitter-langs ➡ tree-sitter-elixir	Yes	Yes	OK				
𝛴𝔓ℓ - Emacs Lisp											
𝔓ℓ - Erlang ⓒⓕⒶ											
𝔓ℓ - Factor ⓀⓕⓄⓜ											
𝔓ℓ - Forth Ⓚ											
Fortran 🚧											
𝔓ℓ - Gambit ⓕⓜ											
𝔓ℓ - Gerbil ⓕⓜⒶ											
𝔓ℓ - GNU Guile ⓕⓜ											
𝔓ℓ - 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.			

TreeSitter parsers	Supported by PEL	User-option control	tree-sitter mode	Language grammar	With ∑iMenu support	With ∑ Speedbar support	Status				
PL - Go Ⓢ	Yes	pel-use-go	go-ts-mode	tree-sitter-langs ➡ tree-sitter-go	Yes	Yes	OK				
PL - Go go.mod	Yes	pel-use-go	go-mod-ts-mode	tree-sitter-go-mod	Yes	Yes	OK				
Groovy											
PL - Haskell Ⓕ											
Haxe											
PL - Hy (python) ⓜ											
PL - Janet ⓘⓕⓜ											
Java											
PL - Javascript											
PL - Julia ⓜ											
Kotlin											
PL - LFE ⓒⓜⓕⒶ											
PL -Lua ⓕ ⓞ Ⓟ	Yes	pel-use-lua	lua-ts-mode	tree-sitter-langs ➡ tree-sitter-lua ⚠	Yes	Yes	• fortification does not work • The tree-sitter-lua project used by tree-sitter-langs seems unmaintained. It should probably use tree-sitter-grammars/tree-sitter-lua				
PL-Modula											
PL - NetRexx											
PL - Nim ⓜⓈ											
PL-Objective-C											
PL - OCaml ⓘⓕ											
PL - Odin Ⓢ											
PL-Pascal											
PL - Perl (perl5)											
PL - Pike 𝒹 ⓘ ⓞ											
PL - *Python* 𝒹ⓅⓄⓕ											
PL - Purescript Ⓕ											
R ⓞ Ⓟ ⓕ Ⓧ |											
PL - Racket ⓕⓜ											
PL - ReasonML											
PL - REXX											
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-rust	Yes	Yes	OK				

TreeSitter parsers	Supported by PEL	User-option control	tree-sitter mode	Language grammar	With iMenu support	With Speedbar support	Status				
Scala											
PL - Scheme											
PL-Seed7	No: As of Emacs 30.2 there is seed7-ts-mode implemented yet.			No grammar exists yet.	Yes, for seed7-mode	Yes, for seed7-mode	Does not exists yet.				
PL-Smalltalk											
PL-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	Does not exists yet.				
PL - Typescript											
PL - UNIX Shell											
PL - V											
PL -Zig	Yes	pel-use-zig	zig-ts-mode	tree-sitter-langs ➡ tree-sitter-zig	Yes	Yes	• fortification does not work • incomplete indentation control • no format on save like zig-mode				