

# carbonpaper.vim User Guide

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`*carbonpaper.txt*` `*carbonpaper*` `*carbonpaper.vim*`

Transfer code to LaTeX with your colorscheme in Vim

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## INTRODUCTION

`*carbonpaper-introduction*`

Highlight LaTeX code in your favorite colorscheme of Vim!

carbonpaper.vim is a LaTeX code (listings) generator using a colorscheme of Vim. You can put your code into LaTeX as is the same color displayed in Vim.

Even if you use modern or minor programming languages that LaTeX does not support, you can generate beautifully highlighted code by this plugin.

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## USAGE

`*carbonpaper-usage*`

Select characters you want to transfer to LaTeX code in visual mode, and then execute the command `|:CarbonPaper|`. By executing this command, a dialog is displayed and you can save an output TeX file anywhere you like.

The generated file is a plain LaTeX file, so you can insert the line below to where you want to show the code in your LaTeX file. >

`\input hoge.tex`

<(`hoge.tex` is the file you saved.)

## LaTeX Packages Needed ~

You must include "listings" package. >

```
\usepackage{listings}
```

<

In some environment, you would get error without "xcolor" package. >

```
\usepackage{xcolor}
```

<

## COMMANDS

\*carbonpaper-commands\*

:CarbonPaper

\*:CarbonPaper\*

Transfers selected characters to LaTeX code (listings) by using specified colorscheme and saves it to the file. The specified range is ignored.

\:CarbonPaper` or \: '<,'>CarbonPaper` is also OK.

## CONFIGURATION

\*carbonpaper-configuration\*

\*g:carbonpaper#colorscheme\*

string

default: current | :colorscheme|

Specify a colorscheme for output. The current colorscheme is used by default, but you can use more suitable colorscheme you like for outputting TeX files by this option.

\*g:carbonpaper#background\*

"light" or "dark"

default: current 'background'

Similar to |g:carbonpaper#colorscheme|, you can specify 'background' for output. The value is "light" or "dark" in most cases.

\*g:carbonpaper#set\_background\_color\*

0 or 1

default: 1

Whether or not to set the background color of listings in TeX to the current colorscheme's background color. If you disable this option (set to 0), the default background color in your TeX environment (e.g., specified in "\lstset") is applied.

\*g:carbonpaper#set\_foreground\_color\*

0 or 1

default: 1

Whether or not to set the normal text color of listings in TeX to the current colorscheme's foreground color. If you disable this option (set to 0), the default text color in your TeX environment (e.g., "basicstyle"

option in "\lstset" command) is applied.

**\*g:carbonpaper#highlight\_bold\*** 0 or 1  
default: 0

Whether or not to use bold font ("bfseries" in TeX) to highlighted code. If this option is enabled (set to 1), colored text in vim (except for normal text) are all displayed in bold font.

**\*g:carbonpaper#save\_as\*** string  
default: "<filename>.tex"

Default file name to save with. "<filename>" is a token specified in **|g:carbonpaper#filename\_token|**, which is a filename of the target file. You don't have to include the token in this option.

**\*g:carbonpaper#filename\_token\*** string  
default: "<filename>"

Token of filename used in **|g:carbonpaper#save\_as|**. If you modify this option, you may have to modify **|g:carbonpaper#save\_as|** option too.

**\*g:carbonpaper#tex\_escape\_begin\*** string  
default: "(<cp--b>\*#"

Delimiter used in listings in TeX to highlight code. Internally, "moredelim" option of listings is used to insert "\color" or "\textbf".

**\*g:carbonpaper#tex\_escape\_end\*** string  
default: "#\*<cp--e>)"

Delimiter used in listings in TeX to highlight code. Internally, "moredelim" option of listings is used to insert "\color" or "\textbf".

**\*g:carbonpaper#tex\_listing\_style\_name\*** string  
default: "carbonpaper"

Style name used in listings in TeX. In generated TeX files, the style is defined and used as shown below. >

```
\lstdefinestyle{carbonpaper}{...}
\begin{lstlisting}[style=carbonpaper]
```

<

## KNOWN PROBLEMS

**\*carbonpaper-problems\***

Colorscheme collapses after executing :Carbonpaper ~

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Colorscheme in the editor may collapse after executing `|:CarbonPaper|` command if you specify `|g:carbonpaper#colorscheme|` that is not the default one. This is because this plugin changes the colorscheme when creating output TeX files and sets it back to the default one. In fact, it is a known bug in Vim that a colorscheme collapses after dynamically changing colorschemes.

This bug can be mostly resolved by using functions of a plugin "xolox/vim-colorscheme-switcher".

In order to fix this bug, you have to include these plugins: >

```
xolox/vim-misc
```

```
xolox/vim-colorscheme-switcher
```

```
<("xolox/vim-misc" is required for "xolox/vim-colorscheme-switcher")
```

All you have to do is install these plugins, because we use functions in them internally.

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## CONTRIBUTION

\*carbonpaper-contribution\*

Super welcome.

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## LICENSE

\*carbonpaper-license\*

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