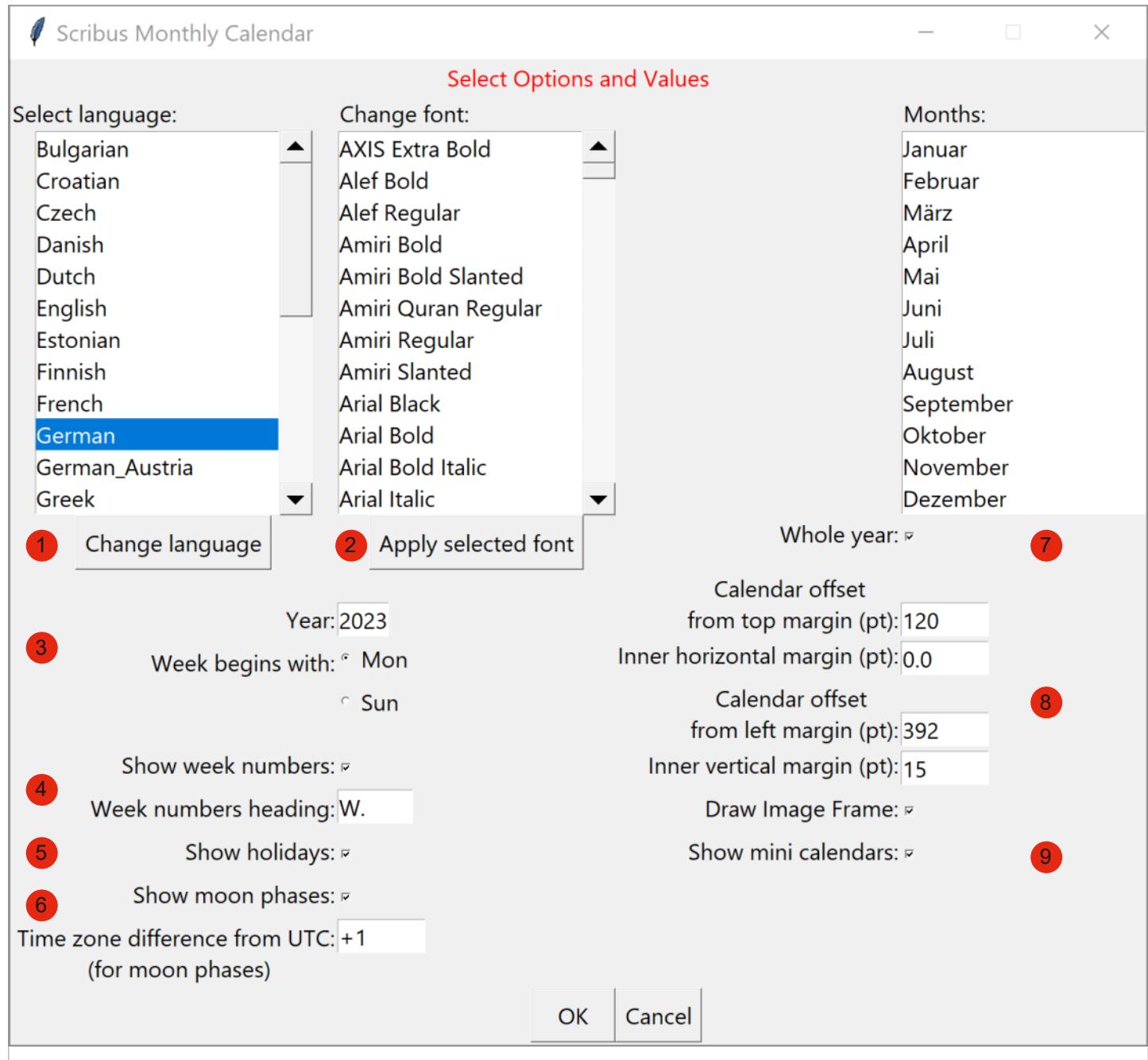


# Monthly Calendar script

This Scribus script generates a classic monthly calendar with following options:



- 1) You can choose between more than 20 languages (default is English). You may add, change or delete languages in the localization list in the script. Please respect the Python syntax.
- 2) You can choose your default calendar font from the list of fonts available on your system. Please check if all special characters for your language are available in the chosen font! You can change fonts of many items afterwards in the Styles menu (Edit - Styles).
- 3) Calendar year and week starting day are to be given. Saturdays and Sundays will be printed by default in separate colors (many colors can be changed afterwards with Edit - Colors and Fills).
- 4) Option to show week numbers with (or without) a week numbers heading in your local language.

- 5) Option to import holidays and special days from a 'holidays.txt' file for your country. Automatic calculation of the recurring holiday dates for each calendar year. See next page and also the sample files for the layout of the entries.
- 6) Option to import a 'moonphases.txt' file in order to draw the moon phase symbols on the calendar. See page 4 for more details.
- 7) Select one or more months or the whole year.
- 8) You have the possibility to determine where on the page the calendar month will be drawn with the offsets from top and / or left margin. Option to draw an empty image frame within the top and / or left 'offset' area and to get an 'inner' margin between this frame and the calendar grid.
- 9) Option to draw mini calendars for previous and next months in the calendar month heading.
- 10) You can easily change the default styles and colors for month title, weekday names, week numbers, holiday dates and texts, special dates, weekend days, normal dates, mini calendars and moon phases afterwards. You can hide the separate layers for moons, holiday texts and images. Automatic change to abbreviated weekday names if cells are too small. Many other build-in controls.

This is the result generated with settings on the previous page on an A4 page with 6mm margins (note: picture and Scribus logo were inserted manually in the empty image frames afterwards):



# The holidays.txt file

You can enter holidays (or other special days) in an 'holidays.txt'-file with one of the following formats:

1) Fixed dates: These are entered as follows:

```
fixed,1,1,,New Year's Day,1  
fixed,10,28,,Mom's birthday,0  
fixed,12,25,,Christmas Day,1
```

The line starts with 'fixed', followed by a month figure and a day figure, an empty position, a text and the figure 1 or 0 (all separated by comma's). The date will be printed in red if the ending figure is '1' and in black if it is '0'. Here you can put special days texts like birthdays to be printed.

2) nth weekday of month: the holiday will be assigned to the nth occurrence of a certain weekday in the given month:

```
nWDOM,1,0,3,Martin Luther King Jr. Day,1  
nWDOM,5,0,0,Memorial Day,1  
nWDOM,11,3,4,Thanksgiving Day,1
```

Here the line begins with 'nWDOM', followed by the month figure and a weekday number (Monday=0, Tuesday=1, etc..). The next position represents the nth occurrence of this day in the given month (take 0 for the last). Then we put the holiday text and the color code.

3) Variable holidays (referring to Easter):

```
variable,easter,-2,,Good Friday,1  
variable,easter,0,,Easter Sunday,0  
variable,easter,50,,Whit Monday,1  
variable,easter0,0,,Orthodox Easter Sunday,0
```

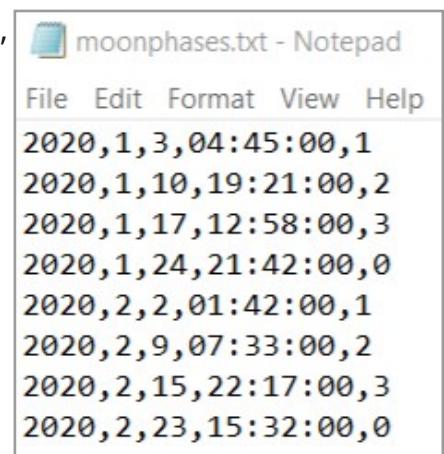
'variable' followed by the calculation base 'easter' (or 'easter0' for Orthodox Easter calculation), the number of days from Easter, an empty position, a text with the holiday description and the figure 1 or 0 for the color.

Note: If your holidays do not follow one of the above calculation methods, you have to give them in as 'fixed' and make an 'holidays.txt' file for each calendar year.

# The moonphases.txt file

As it is too complex to program the moon phase dates in this script, we use a text file instead. Each line of text in this file contains the year, the month, the day, the time and a digit from 0 to 3 for determining the New Moon, First Quarter, Full Moon and Last Quarter (all data separated by comma's, no spaces).

As the time of the moon phases has to be given for UTC±00:00, which corresponds with the time zone of Greenwich Mean Time, you have to add or subtract the difference with your time zone in the menu (please note that this script does not consider Daylight Saving Time, so in some cases when your local moon phase is around midnight this can result in the previous or next date).



moonphases.txt - Notepad

File	Edit	Format	View	Help
2020,1,3,04:45:00,1				
2020,1,10,19:21:00,2				
2020,1,17,12:58:00,3				
2020,1,24,21:42:00,0				
2020,2,2,01:42:00,1				
2020,2,9,07:33:00,2				
2020,2,15,22:17:00,3				
2020,2,23,15:32:00,0				

The data included in the 'moonphases.txt' file are taken from 'Moon Phases Table' courtesy of Fred Espenak, [www.Astropixels.com](http://www.Astropixels.com) for the years 2020-2025.

If you want your calendar to display the moon phases, there are not many fonts who can display these characters. I suggest to use the 'Symbola Regular' font (to download at <https://fontlibrary.org/en/font/symbola> - license: free for any use). Or for Windows you can use 'Segoe UI Symbol Regular' or the 'Yu Gothic'-family and for Linux the 'DejaVu' or the 'Noto'-families.

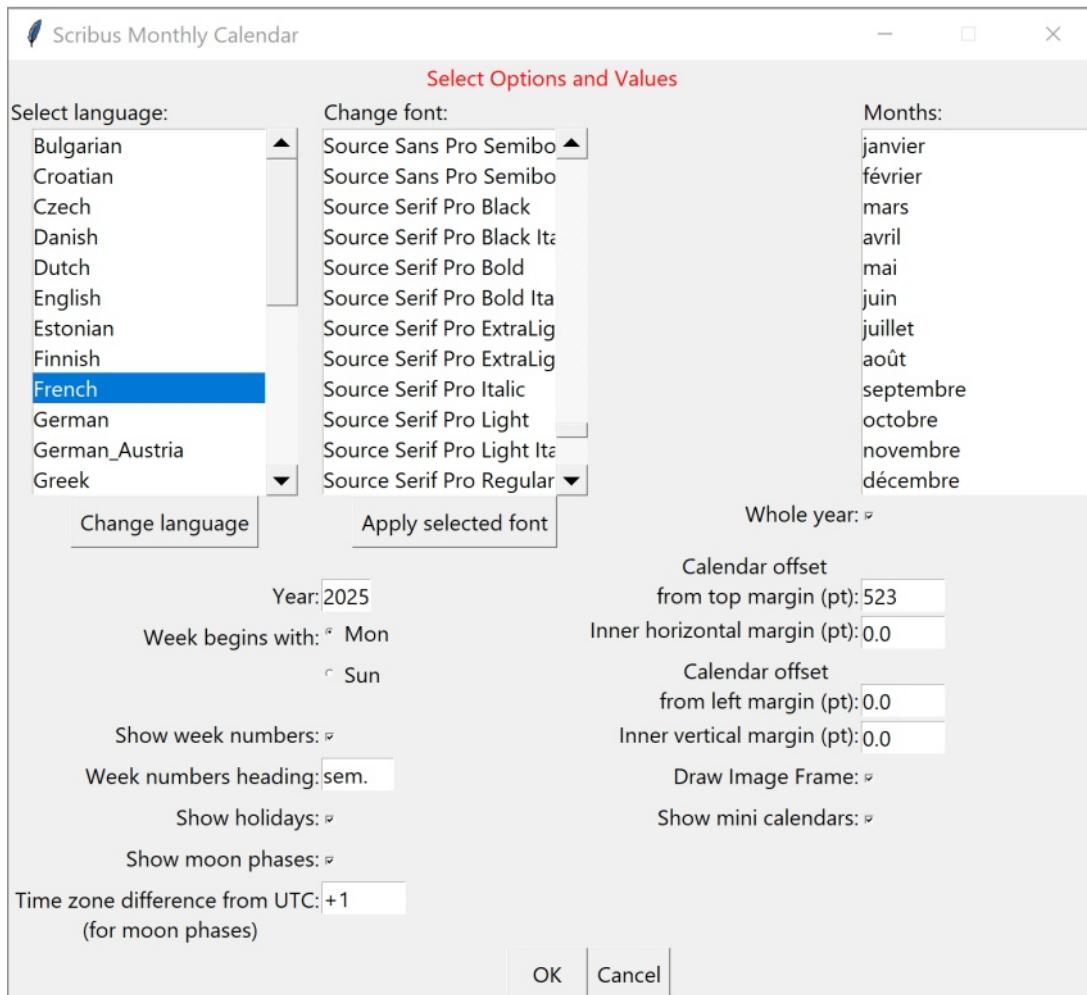
## Some tips and troubleshooting

- 1) Be patient, generating a year calendar can take several minutes! (See progress on the status bar on the bottom right corner and wait until 100% has disappeared).
- 2) Change layer to 'Images' in order to add your pictures. You can copy your 'Logo' image to the master page to repeat it automatically on each month page. You can convert an image frame to a text frame if needed.
- 3) Choose your favourite font in the script menu and change the font in the character style 'char\_style\_Moons' afterwards in one of the above mentioned to display the moon phases symbols.
- 4) Do not forget each cell is individually editable.
- 5) Close the 'Outline' window (and other windows too) before running this script if Scribus 'hangs' or terminates unexpected.
- 6) Restart Scribus and generate only one month with no options checked to see if this works.
- 7) Final option: do a clean install of Scribus 1.5.6+.

# Example: French A3 wall calendar

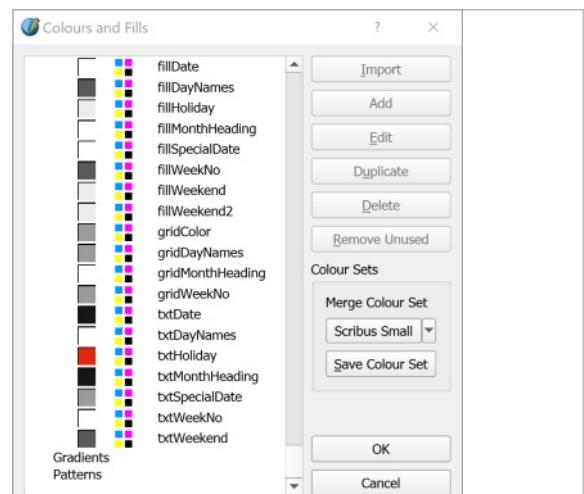
1) Generate a monthly calendar with following options (see figure below):

- Language = French.
- Font = Roboto Regular.
- Week numbers heading = 'sem.' (abbreviation for "semaine" = week).
- Calendar offset from top margin (pt) = 523 (We will use an A3 page with all margins set to 10mm, this means we have a picture width of  $297 - 10 - 10 = 277$ mm or 785pt. Assuming a picture format of 3:2, picture height is  $785 / 3 * 2 = 523$ pt).



2) Change following colors in the generated calendar:

- Change the fillDayNames, fillWeekNo and txtMonthHeading color to CMYK 0%-16%-82%-62%.
- Change the fillWeekend and fillWeekend2 color to CMYK 0%-13%-51%-2%.
- Change the fillDate and fillHoliday color to CMYK 0%-4%-27%-2%.
- Change the gridColor, gridDayNames and gridWeekNo color to CMYK 0%-0%-0%-0%.



3) We have to change the font of the moon symbols because they were not displayed: for Character Style 'char\_style\_Moons' change font to Symbola Regular. We also change the 'char\_style\_MonthHeading' to the Roboto Medium font.

4) Set line width of grid\_Line\_Style, grid\_DayNames\_Style and grid\_WeekNo\_Style to 1mm.

5) Switch to layer "Images" and get your images in their frames.

6) Save the calendar and export to PDF for printing (see below).



MAI 2025

sem.	lundi	mardi	mercredi	jeudi	vendredi	samedi	dimanche
18				1	2	3	● 4
				Fête du Travail			
19	5	6	7	8	9	10	11
				Victoire 1945			
20	○ 12	13	14	15	16	17	18
21	19	● 20	21	22	23	24	25
22	26	● 27	28	29	30	31	
				Jeudi de l'Ascension			

Style Manager

**Name**

Paragraph Styles

Default Paragraph Style

par\_style\_Date

par\_style\_DayNames

par\_style\_Holidays

par\_style\_Mini

par\_style\_MonthHeading

par\_style\_Moons

par\_style\_WeekNo

par\_style\_Weeks

Character Styles

Default Character Style

char\_style\_MonthHeading

char\_style\_DayNames

char\_style\_WeekNo

char\_style\_Moons

char\_style\_Holidays

char\_style\_Date

char\_style\_Mini

char\_style\_Mini

Table Styles

Default Table Style

Cell Styles

Default Cell Style

Line Styles

grid\_Line\_Style

grid\_WeekNo\_Style

grid\_DayNames\_Style

grid\_MonthHeading\_Style

grid\_MonthHeading\_Style

New

Clone

Import

Delete

Edit >>

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