

Wordaizer 5.0 Tutorial

(Part of the help documentation)

(c) 2017 www.mosaizer.com

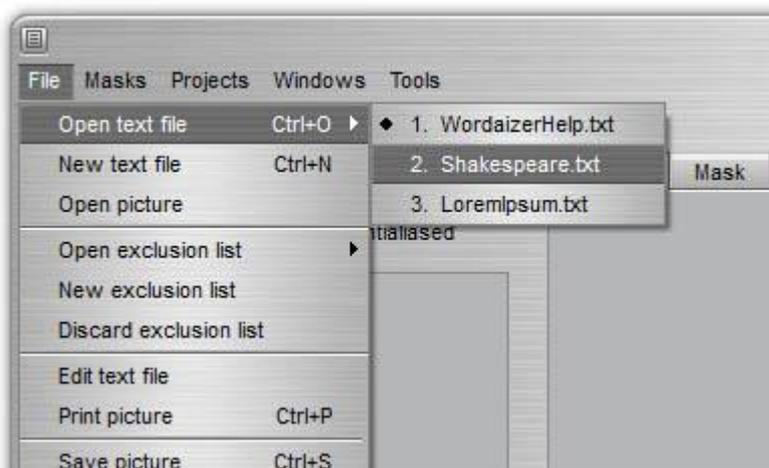
Precursor

Wordaizer is easy to use. There are a few basic controls and some additional controls. In this chapter we will guide you in a few easy steps to make a perfect wordlet. We will first explain how to use a wordlet, and then we will show how to tune and play with the different controls.

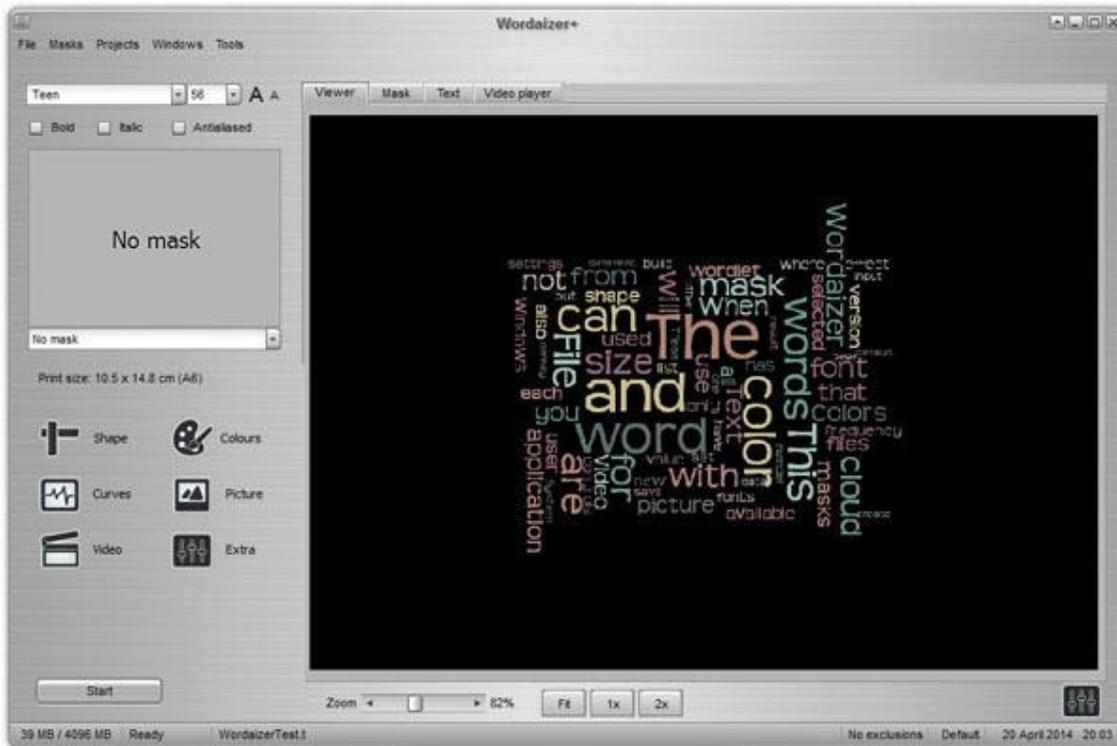
One word of advice: make sure you install and start the application as an administrator. The application requires permission to write settings to the harddisk (the same folder as the executable). In some cases an error will be experienced because the application didn't fully start, and can not write data to the hard disk.

Lesson 1: My first wordlet (but a bit boring)

The easiest way to make your first wordlet is to press the 'Start' button after completing the installation. After installation all information is already pre-loaded, ready to start immediately.



When the application is started, select 'File' and then 'Open text file'. You will see that the text file 'WordaizerHelp.txt' is already loaded and active. This is done during installation. There are two other pre-installed text files available ('LoremIpsum.txt' and 'Shakespeare.txt'). If you press the 'Start' button you will create your first wordlet (picture below). A bit boring result, but it's a true wordlet.



To make life a little bit more exciting you can also provide your own text file. Most important: you need to create a file that has the .txt file extension. In Notepad this is easy: it will only allow to create such files. In MS Word you can 'Save as' in 'Plain text' format. To make such a file, e.g. in Word, type in a couple of hundred different words, with spaces between each word, or simply make a long list of words. Then save as .txt file (saved in the ANSI format will work in all cases), and read this file using the menu 'File' 'New text file' and read the file. Then go ahead with lesson 2. Or start again with lesson 1.

Lesson 2: My second wordlet (and definitely less boring)

Wordaizer has a couple of very useful controls to make any wordlet a special one. These are:

- **Font:** size, type-face and style.
- **Amount:** the number of words you would like to be placed in the wordlet. Usually 50 to 200 is a good range.
- **Mask :** the predefined shape that you would like the wordlet to be.

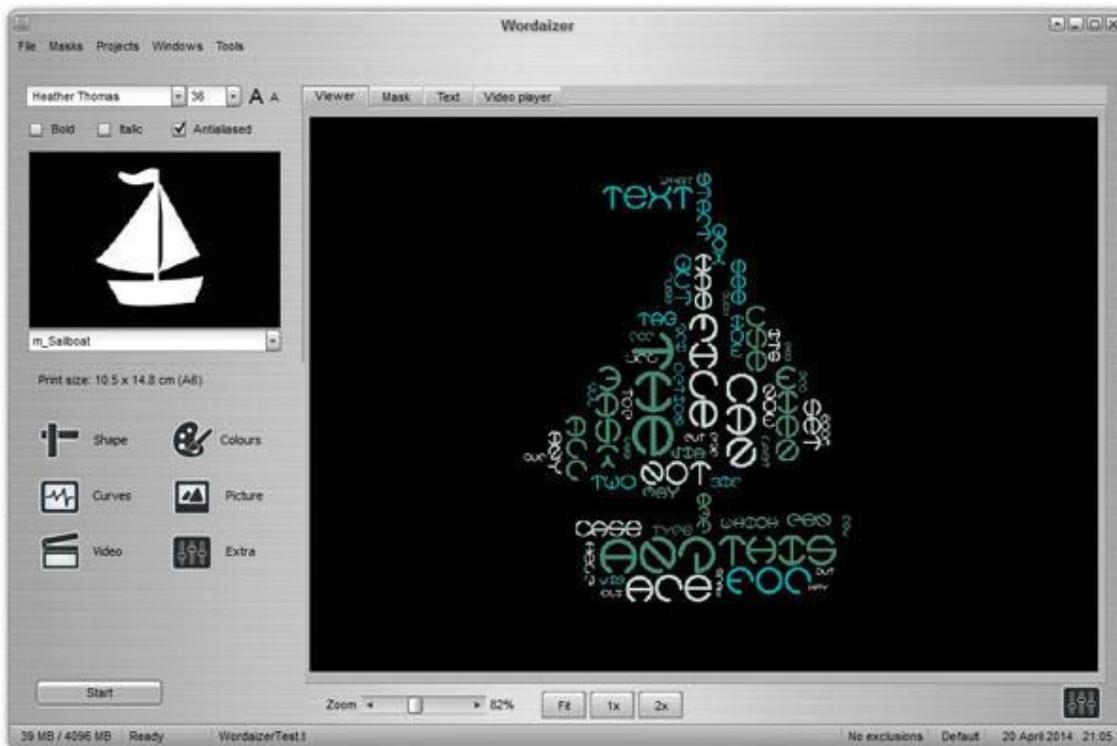
Let's start with the **font**: we can select the font in the top part of the application. You can select any font you like. A wide selection of fonts is pre-installed to allow for beautiful wordlets. For this exercise we will select font 'Heather Thomas'. As can be seen from the first exercise the wordlet has quite a large font size (and well readable), but there seems to be just a few words available. So we first select a smaller font: the default is 56pt, we select 36pt. This can be done by either using the size pull-down box, or using the two buttons ('A' and 'A-'). We also want to make the words slightly more 'robust', so we also select the **Bold** button.

Next, let's increase the **amount** of words a bit. First click on the **Shape** button to show the amount and size controls. The number of words depends of course very much on the amount of text in the input file text. The pre-installed text file has quite some range: 1329 different words are available. This can be checked by moving the **Amount** slider fully to the right. For this exercise we select a modest 200 words, by moving the slider to this value. It's not so important

how many words are exactly used, so if the slider is set to e.g. 216 this also a good choice. In combination with the smaller font size we can now expect a good mask-fill with words.

Finally we select a **mask**. The easiest way is to simply select a mask make choice from the drop-down box below the mask area. A total number of 70 masks are pre-installed. We select the 'Sailboat' mask (called 'm_Sailboat' because all masks have a prefix 'm_'). When no mask is selected Wordaizer will simply create a rectangular shape, as we have shown in the first exercise. To make your own mask then first click on the 'Mask' button and make the 'Mask' tab active and start drawing with your mouse.

And then we press the 'Start' button again, and wait for the wordlet to create. The result is seen in the picture below.



Lesson 3: Changing the colour palette

Once a wordlet has been created, the colour can be modified. First click on the 'colours' button. You will find two control groups: the 'colour palette name' and the 'Background colour'. Let's first change a colour pallet: simply change the colour pallet name, e.g. 'Giddy', or 'Space Fruit'. You will notice that the colour change is immediate. Then select a different background colour. To change this colour, use the slider: press on the left slider arrow, it will change the background colour to white. Click again: it will now select colours from the palette. When a colour of the palette is selected some words may of course become invisible, since these words have the same colour of the background. Below you see some of the effects of the colour changes. Please note that the wordlet has *not* changed when changing the colour palette this way.



Lesson 4: Create my own mask

You may want to apply your own mask, instead of using a pre-installed mask. Basically that is very easy to do. Follow these steps:

- Select the tab 'Mask' and click on the 'Mask' button as well. You will now see a couple of mask control buttons in the pop-up window.
- Make sure the radio-button is set to 'Draw'. Use your mouse to draw your mask in the big black work area. Your mouse will paint white lines on a black background. White is the area where words will appear.
- The 'Pen thickness' will change your drawing pencil in the mask. To erase parts of the mask change the radiobutton from 'Draw' to 'Erase', and a black 'pen' will be used. To fully reset the mask simply select 'Mask' 'Reset mask' via the menu bar.

When you start drawing the mask name will change to 'On-the-fly-mask' and it will become active. Now press the 'Start' button again and see your own mask in the wordlet. The picture below shows such a result.

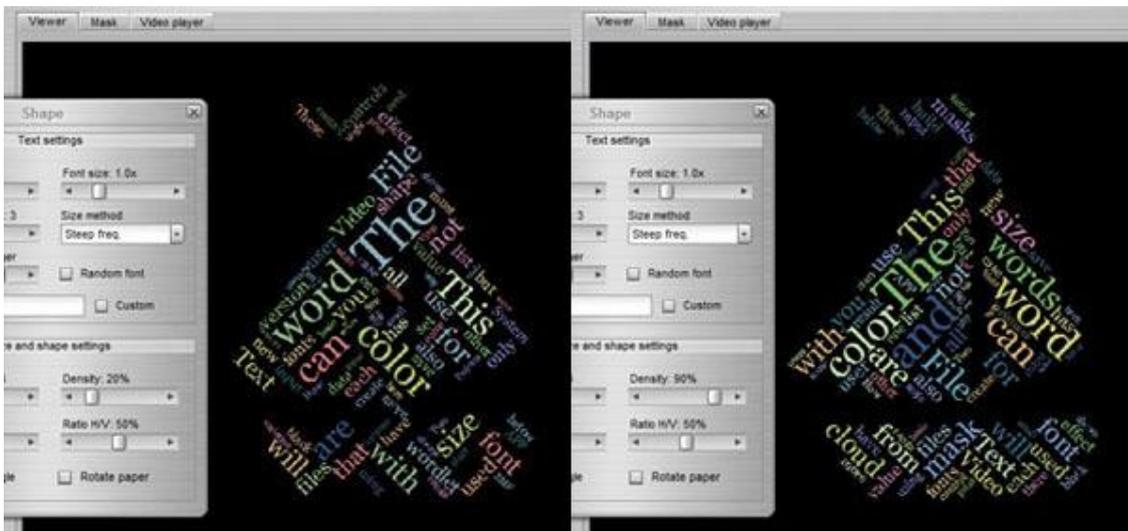


If you have already a picture that you would like to use as a mask, it needs to be a true black and white picture. Meaning: only 100% black and 100% white pixels should be present (black = pixel value 0, white = pixel value 255). The size ratio of the mask is of importance. Ideally the ratio "width : height" should be "1.4142 : 1" (the ISO ratio for the A paper sizes). When this is not the case the application will force the correct ratio, adding black to the size that is too short to fit in the correct ratio. To add the mask, use the menu 'Mask' 'Load mask'. The mask name

must have a prefix 'm_' to be recognized by the application next time the application is started. If not, then the user mask is not loaded in the mask selector (as we use in lesson 2). Make sure you choose a name that is not already used by the 110 pre-installed masks!

Lesson 5: Changing the word orientation and density

Now the real fun part starts. The 'Density' is a measure of how tight the words are put together in the mask space: a high density will try to fit in as many words as possible, while a low density will allow for some space between each individual word. The default value is 50%, so we first change this value to 10%, and then to 100%. We also change our font to 'Julee', and uncheck the 'Bold' option to have crisp words. Then create a new wordlet for each of these settings. The result is seen in the picture below. The picture on the right clearly shows more words 'cramped' in the same mask space.



To change the orientation of the words is equally simple: change the slider value of 'Ratio H/V' to the value you want it to be. To explain this slider: when H/V is 0 then all words are placed vertically; when the value is 100, then all words are positioned horizontally. The result is seen below (also the 50% value is shown here, middle picture).



Lesson 6: Changing the word sizes in the wordlet

In most cases the size of each individual word in the wordlet is pretty well managed. The font size of each word in the wordlet depends on how frequent that word is found in the input text

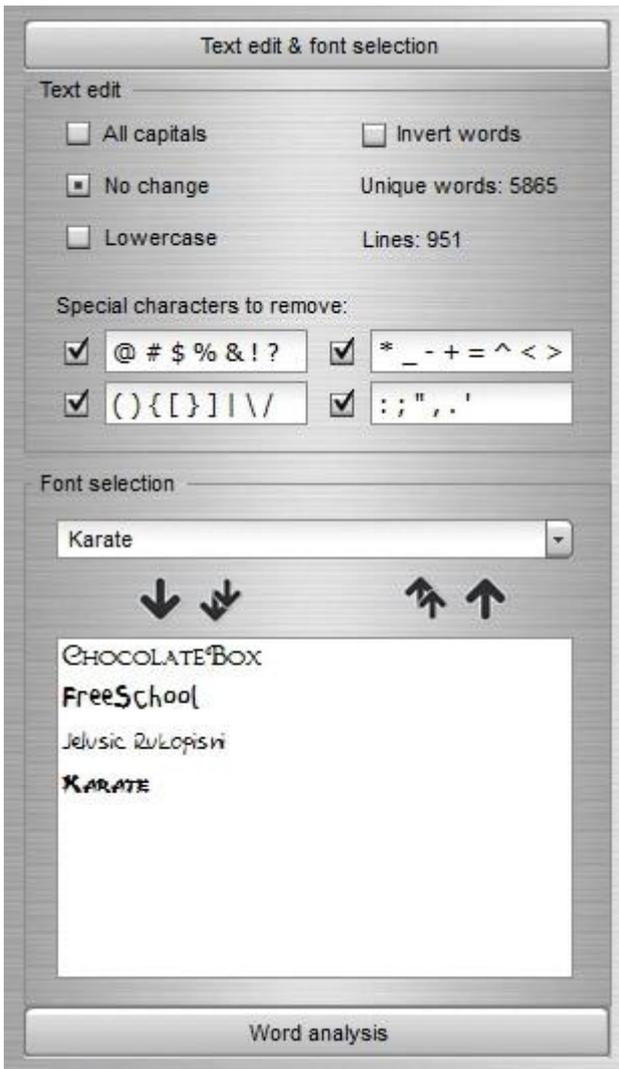
base colour you want. The difference between the two colour engines is the way the colour palettes are created:

- Colour variation: a base colour is selected and a number of hue variations is determined (the hue is set by the 'colour variation' slider, ranging from 0% to 100%).
- Colour schemes: a number of theoretical colour harmonization palettes is used (the harmonization type is selected by the pull-down box).

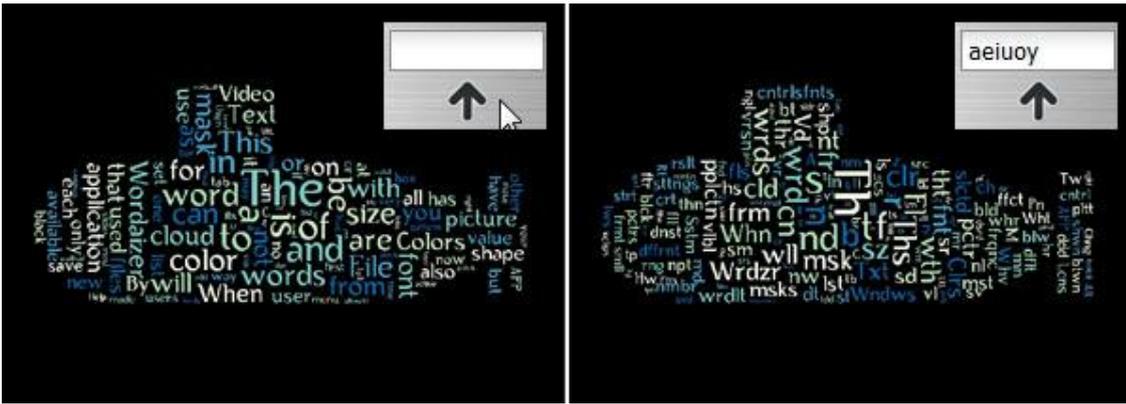
You can vary the settings in the two alternative colour methods as you like. The final colours that are used are always shown for each method. You need to check the tick box 'Use this colour scheme' to activate that colour scheme. Otherwise the default ('colour palettes') will be used again. One little note: the setting for 'Background colour' in the 'colour variation' scheme sets the colour in both alternative schemes, but not the 'colour palettes'. Confusing perhaps, but it's useful to know. We have no examples in this tutorial, and you can play around for yourself and see the effects.

Lesson 8: Using multiple fonts in one wordlet

In some cases you want to use more than one font. One way to do this is to use the mask feature (see [here](#)). We are using *more than two fonts*. First, open the 'Text' tab, and click on the 'text edit & font selection' header. This now show the fonts selection interface (see picture below).

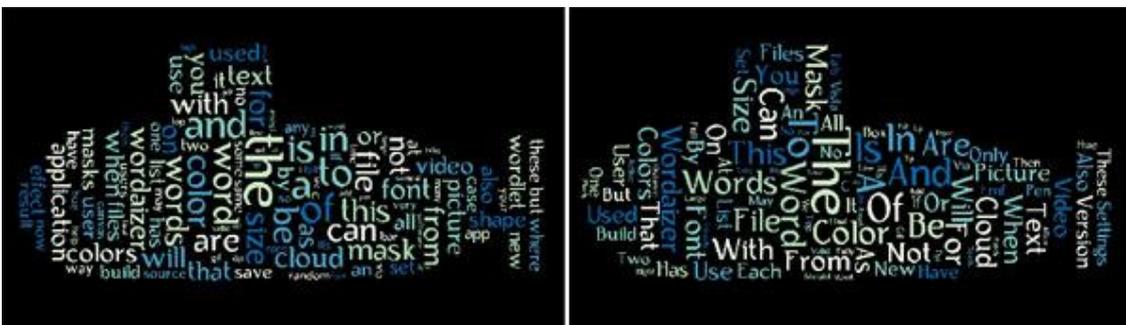


We will now select 4 fonts from the drop-down font box, and with each selection we click on the 'down arrow' button. We have selected these four fonts: Chocolate Box, Free School, Jelusic Rukopisni and Karate. All other settings can remain as they are. We have now selected 4 fonts, meaning: the 'multiple font' feature has become active. Now press the 'Start' button, and enjoy the great result (shown below).



Next we will use the Notepad Editor this editor: right-click in the table, bottom-left of this tab. Select '[Open source file in Notepad](#)', this will open the Notepad Editor. Is it a true Notepad, as you are used to in Windows? Yes and no. Yes, because it looks and feels the same; and no, because it's not the Windows Notepad.

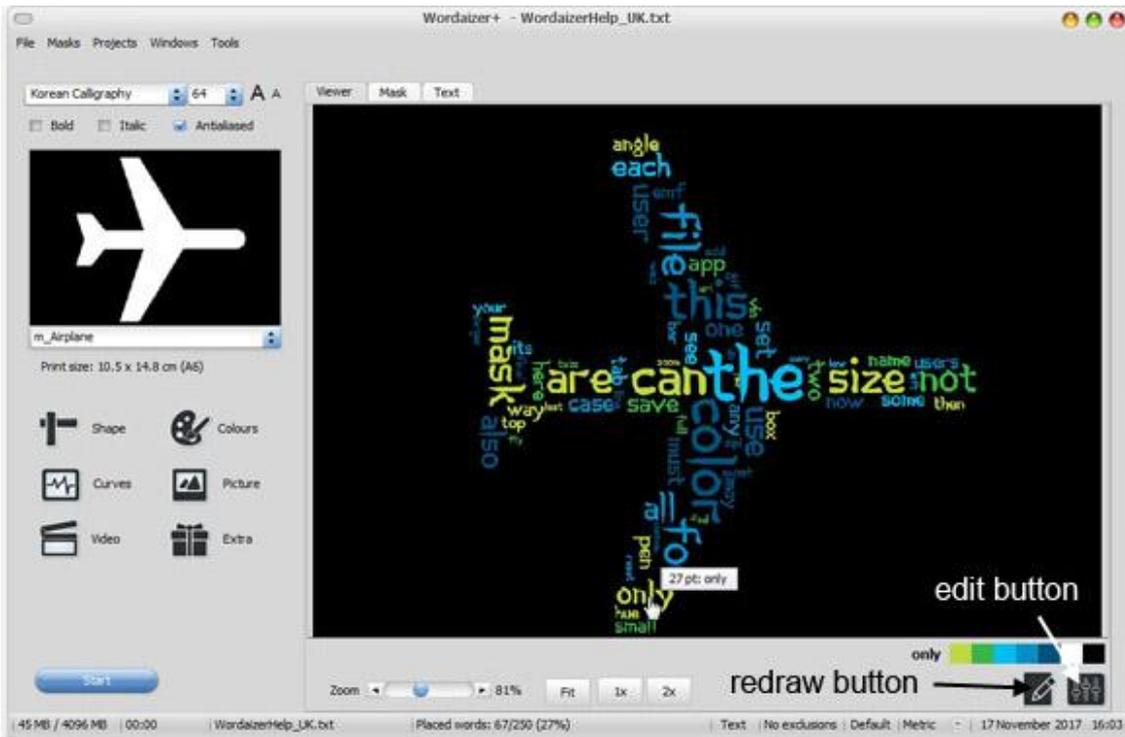
Let play around with capitals: select the '[Edit > Lowercase all words](#)'. This effectively remove all capitals from the entire text. The change is instantly, unlike the '[Word analysis](#)' and '[Text edit](#)' groups, where the results are only shown after a full wordlet creation. To update the changes in the Notepad Editor into the application, you first need to press 'Update to Wordaizer' and click OK. You will now see that also the words list on the left is updated with words without capitals. Running a wordlet will result in the left picture below. Keep the Notepad Editor open, and now select '[Edit > Capitalise all words](#)', update to Wordaizer and run a wordlet: right picture below.



Lesson 10: Editing a word could

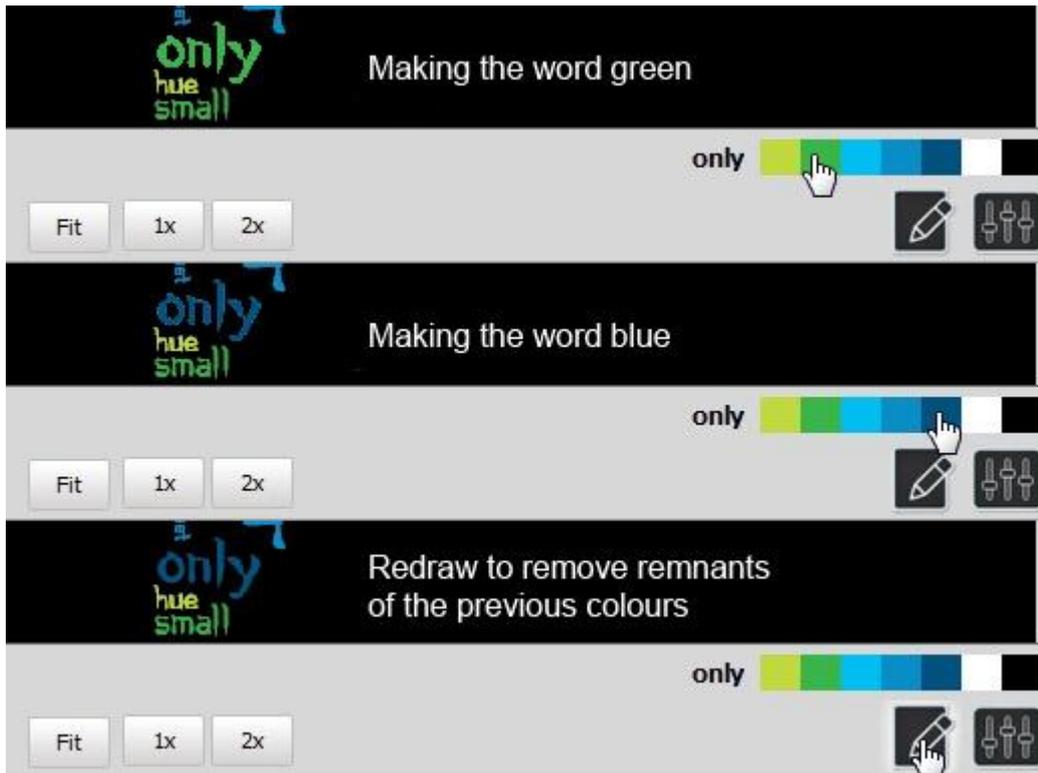
Every word cloud can be post-processed: change the colour of each word, and add new words in the still available 'empty' spaced. To edit a ready word cloud you need to understand how the interface works: the use of the ALT and CTRL keys is required (and the mouse of course).

Wordaizer 5.0 Tutorial



In the above screenshot you can see the hand cursor, and a little adjacently placed information box with the currently selected word and the font size ('27 pt: only'). This hand cursor will appear when you press the ALT key and move the mouse pointer over a word. The information box will show ' . . .' when an empty spot is detected (i.e. background colour). So, also inside a single character, empty spaces can be found, and moving your mouse pointer across a word might show empty spots for several times. To change the colour of the selected word, press the edit button, top bottom. This will show the word and the possible colours of the selected colour scheme.

To change the colour you now have to actively use the ALT and CTRL keys, while moving your pointer over the colour patches at the bottom. Below you see a few colour edits:



From top to bottom, we show two times a change of word colour (green -> blue) and finally apply the redraw action, to get rid of the remnants from the previous colours. This is needed because the words are drawn as transparent pixels, where the pixel towards the edge of each character becomes slightly transparent (a kind of anti-alias approach). Although the redraw is instantaneous, it still depends on the amount of words and the (bitmap) size of the word cloud. For e.g. A0 sizes this might take seconds, so please have a bit of patience when redrawing is done.

The changes are saved, so when you save the result in a project file, all the current visible words and colours are saved as well. The colour changes cannot be undone (e.g. using the CTRL+Z key). To set the colours back you need to manually change the colour back again.

Lesson 11: Expert levels: tweaking to the max

With the first 9 lessons you should be able to make a great wordlet. There are a few tweaking options that should be used when you want to quickly tune, alter and experiment with a wordlet. These are the controls you should try to master:

- **'Font size'** (in the **'Text settings'** box in the **'Shape'** window): this slider will quickly increase or decrease the selected font size. It's an alternative way to set the font size (as in lesson 2). The effect can be quite drastic because it simply magnifies the selected font size with the indicated value. A value of 3x will set the font size of 56pt to $3 \times 56 = 168$ pt.
- **'Min word length'**: some words in the input text are very common, like 'the', 'a' or 'and'. To filter out these words in a quick way you can set the minimum word length to a value of e.g. 4. This way also important words might be left out... but that's a risk you need to take. Setting this value too high (e.g. 8) may lead to incomplete wordlets because too many words are filtered out. An alternative way to filter words is to offer an exclusion list to the application (**'File'** **'New exclusion list'**, but is only available for licensed users).
- **'Size range'**: this sets the range of the word size. Remember lesson 6 where the range **'steepness'** is set? Here also the actual range can be set. The size range is determined by

