

CLI Parameters for Textaizer CLI version 1.2

It is assumed that the user is informed about each of these features from the GUI version

Generic flags

- en: the choice of engine: '-en 1' is for creating a text mosaic, '-en 2' is for ASCII art and '-en 3' is for creating a word art.
- ti: the input text file. Is always required for text mosaic and word art. For Word Art a long list of individual lines must be provided (e.g. 200 lines of words between 5 and 50 characters).
- of: the output picture or text file. For text mosaic and word art the format will be .jpg or .bmp, for ASCII art the output will be generated using the file name but with .txt and .htm file extensions instead.
- pi: the input picture file. Is required for all engines. Must be of .jpg format.
- hq: the high quality rendering is used. Valid for all engines, and may be a bit slower in the end result.

Special parameters for Text Mosaic only

- n1: use the normal approach for size and determination (luminance), or:
- b1: use the blend with source picture approach, or:
- em: use the emboss option for the text mosaic. One of these three (-n1, -b1 or -em) is possible.
- mu: the source file size multiplication factor. This will multiply the source image with a factor between 0.1 and 16.0, default 1.0.
- ld: the line distance between each next line of text. Ideally this distance should be larger or equal to the font size. Range 1-360, default 38.
- fs: the font size. Range 5-256, default 16.
- m2: font size engine. Must be 0 (using source picture luminance), 1 (dynamic) or 2 (fixed, no size change). The degree of dynamic change is set with the -df parameter. Default 0.
- rd: degree of chaotic (random variation) placement of each character. Range 0-25, default 0.
- df: degree of dynamic size for the -m2 engine setting. Range 0-10, default 0.
- kn: degree of kerning between each character. Range -24-24, default 0.
- fc: probability of changing a font from the 19 predefined and standard in windows. Is activated when larger than 0, Range 0-10, default 0.
- dw: the font will change per word rather than per character. The default is per character.
- r1: random characters can be taken instead of the provided text file. In that case the text is made from randomly selected characters of the alphabet.
- q2: when applied the text after this flag is used instead of the provided text in the input file. Text must be provided in double quotes ("").
- w1: all words are kept as a whole, and not truncated at the end of a horizontal line.
- ur: when applied the text after this flag must contain a valid URL from when the text is used. The text must be given in double quotes ("").

Special flags for circular Text Mosaic

- c4: number of concentric circles. Range 4-50, default 20.
- c3: the amount of kerning between each characters in the circle. Range -50-100, default 0.
- rc: when applied each character is not rotated. Default is rotate the character in the circle.
- cm: when applied the circular is active, and additional flags must be added (when not using the default).

Special flags for ASCII Art

- mu: same as for text art. Range 0.1 to 16.0, default 1.0;
- fs: same as for text art. Range 5-256, default 16.
- cg: degree of coverage, or density, of the ASCII text. Range 0-50, default 25.

- vr: degree of varying the optimum character with a different but well fitting character. Range 0-50, default 25.
- co: the luminance threshold below which the text will be placed. A low cut-off will result in a full picture, while a high value will cut-off the highlights and leave only the darkest areas for the ASCII Art picture. Range 0-100, default 10.
- hb: output must be provided as a HTML file.
- nb: output must be provided as plain text file.
- pb: output must be provided as a picture file.
- tw: use a Typewriter font.
- bh: force the output to be in black and white HTML.
- bb: use block characters. This will result in a kind of 70's print effect.
- ac: compensate the height for HTML line spacing. This will effectively compress the picture in height before creating HTML ASCII output.
- cf: the colour of the text in the HTML output. The format must be Hexadecimal for Blue, Green and Red (exactly in that order). These are always 6 characters. Example: **F601FF**.
- cb: similar to -cf: the colour of the background on the HTML page.

Special flags for Word Art

- mu: same as for text art. Range 0.1 to 16.0, default 1.0.
- fs: same as for text art. Range 5.256, default 16.
- ld: same as for text art. Range 1-360, default 32.
- fc: same as for text art. Range 0-10, default 8;
- de: density of words. Range 10-100, default 50.
- th: threshold to place a word. The threshold is determined by a filtering action in black and white. Range 20-235, default 100.
- wc: additional contrast of the source level. This is basically a contrast filter. Range -100-100, default 0.

Flags for the common tools

- it: use italic font.
- bd: use a bold font.
- fn: provide a valid font name, in double quotes. Font name must be provided as the flag's value.
- br: colour correction of the source file for brightness. Range -64-128, default 0.
- st: colour correction of the source file for saturation. Range -100-100, default 0.
- ct: colour correction of the source file for contrast. Range -80-100, default 0.

Flags for textures

- ci: activate a texture. A valid texture file must be provided as the flag's value. The name of the file must be provided in double quotes ("").
- tr: the transparency of the texture. Range 0-255, default 180.
- t3: the size of the texture. This is a multiplication factor for the original texture file, and is therefore relative to the provided texture file size. Range 0.5-3, default 1.0.
- b3: the texture is applied as a black and white file. When active the texture files is pre-processed into a greyscale picture.

Special parameters for DOS control

- ec: echo intermediate output from the CLI in the DOS box.
- cmd: an empty last line with the 'cmd' command will keep the DOS box open. Useful for feedback.

Examples

The comments of each set of values are provided in parenthesis { }. The CLI will ignore these comments and may be useful to put notes in the CLI text.

Text mosaic: TextaizerCLI.exe -ti "UniversalDeclaration.txt" -of "Result.jpg" -pi "Balloons.jpg" -hq {text mosaic} -en 1 -em -cm {font} -fn "Courier New" -ec

ASCII Art: TextaizerCLI.exe -of "Result.jpg" -pi "Balloons.jpg" -hq -cm {ascii art} -en 2 -mu 2.5 -hb -nb -cg 35 -co 30 -tw -ac {font} -fn "Franklin Gothic Medium"

Word Art: TextaizerCLI.exe -ti "Beatles.txt" -of "Result.jpg" -pi "Balloons.jpg" -hq {word art} -en 3 -mu 2.0 -ld 16 -fc 4 -de 40 -th 160 {font} -fn "Futura Lt BT"