Digital tool
Short summary
professional, free, open source vector graphics software
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Digital tool

- Link https://inkscape.org/
- Type of tool Infographic
- Pricing Completely free
- Interface language English, Hungarian
- Does it have a built-in repository where we can browse content created by other teachers? no
- Does the free version support online cooperation? no
- Difficulty For professionals
- Author Hibácskó Gizella
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Description

A free, professional vector graphics program, suitable for use in schools, for small-scale graphic design projects or for creating web graphics.

Both in its functionality and tools, it is very similar to CorelDRAW or Adobe Illustrator.

Advantages

- free
- flexible drawing object management: the outline, filling, size, or the form of any flat shape can be changed in seconds, no erasing needed, everything can be modified
- Bézier curves (paths)
- shading options: colour transitions, opacity, blurring
- text to path function
- layer management
- wide range of input and output formats
- PDF reading and saving
- PNG export

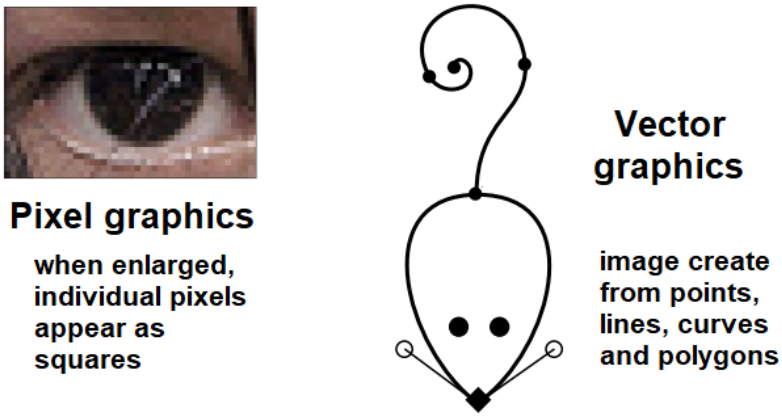
Disadvantages

the interface is quite complex, so novice users may find it difficult to use

Usage in teaching/learning

In pixel graphics, patterns and shapes are made up of many small dots on a square grid (using a very large sheet and many dots, you can draw photo-like images with this method, but the image will be distorted and pixelated when enlarged).

Vector graphics uses a mathematical trick to build the image much more simply, using lines and dots. These can be enlarged, rearranged, shaped and coloured the way you prefer, they are not pixelated or distorted.



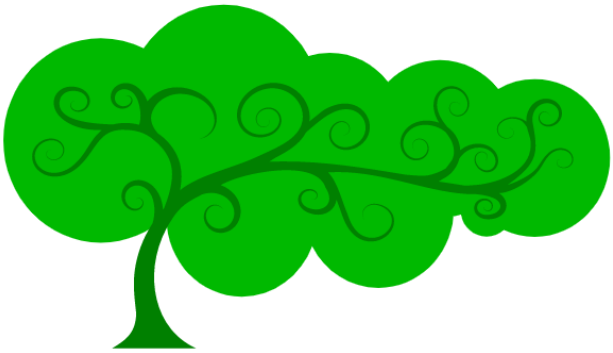
Inkscape stores drawings in SVG, or Scalable Vector Graphics, but reads a wide variety of formats. SVG (Scalable Vector Graphics) is a standardized file format supported by the International Web Consortium that can store text and bitmaps in addition to mathematically described vector graphics.

This program enables the creation of:

- logos, pictograms, icons
- graphics and illustrations
- business cards, letter paper, brochures, flyers, posters
- figuratervet rajzfilmhez, meseillusztrációhoz
- comics, storyboards
- calendars, timetables
- T-shirts, badges

Tutorial video(s)

Inkscape tutorials
Pac-Man baddies with Inkscape

Examples

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