

# Barrier-grid-Animator

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The goal of this project is to create a tool that can be used to generate barrier-grid animations. It is an optical illusion that is interpreted by the human visual system as animation.

The complete source code can be found at: <https://github.com/Eggli/Barrier-grid-Animator> The full project description can be found at: [https://github.com/Eggli/Barrier-grid-Animator/blob/main/INF319\\_Barrier-GridAnimation.pdf](https://github.com/Eggli/Barrier-grid-Animator/blob/main/INF319_Barrier-GridAnimation.pdf)



## Running the code

The project was implemented with python3. The GUI was implemented using tkinter [1] while the image manipulation was done using the Pillow library [2]. The project can be ran using any IDE by running `main.py`. The repository contains a `ExampleGifs` folder which contains example gifs that can be used to test the program. The program currently only supports gifs, but can be easily extended to support other image/video formats.

The program can also be ran from the command line by running `python3 main.py` in the root directory of the project.

## The Code

## Further Information

## References

[1] <https://docs.python.org/3/library/tkinter.html>

[2] <https://pypi.org/project/Pillow/>