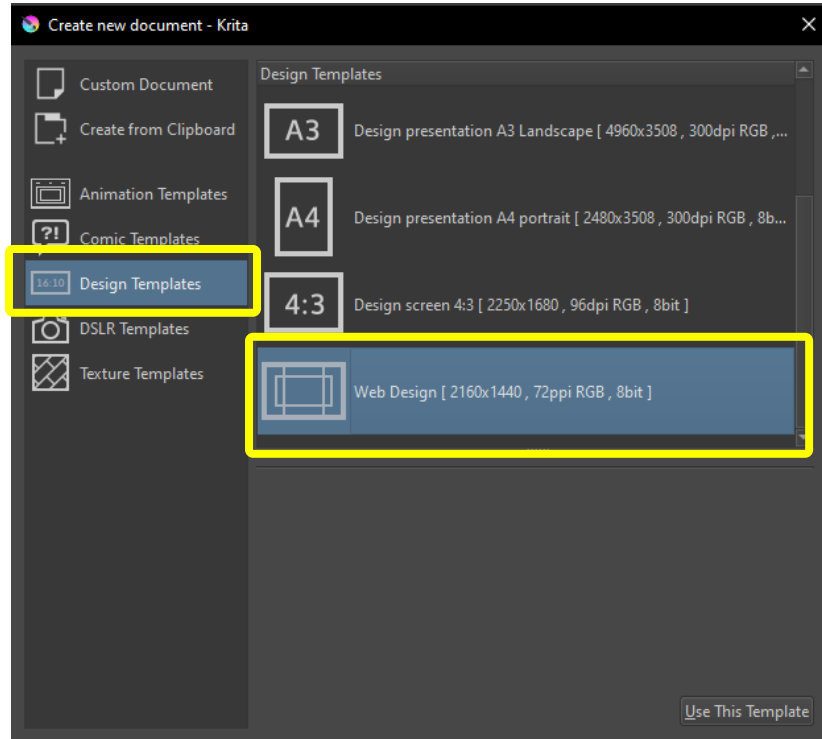
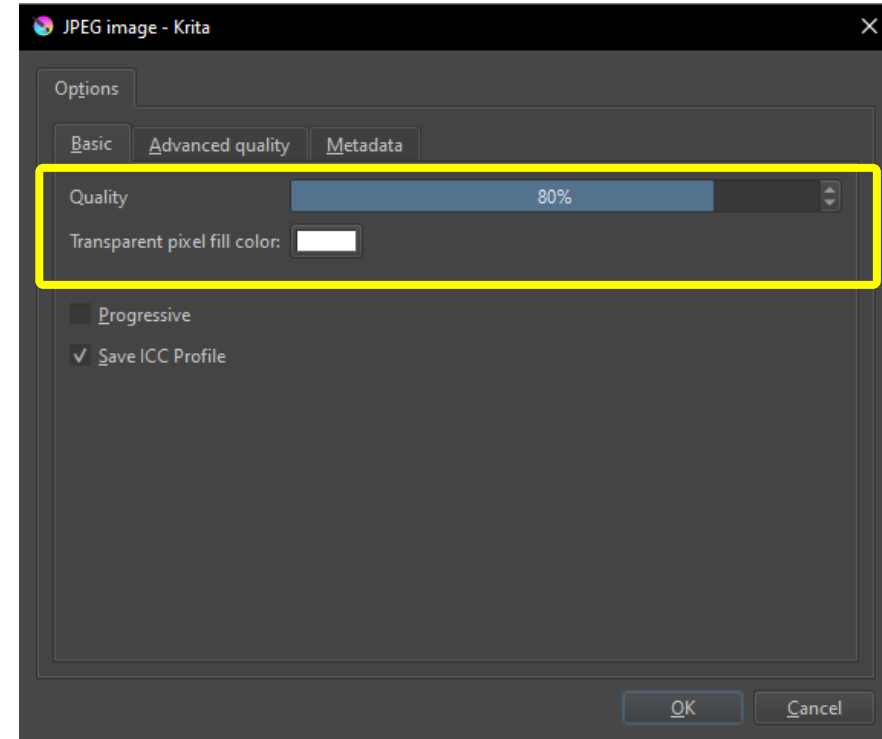


2D SOFTWARE: KRITA

INITIAL CONFIGURATION



EXPORTING PARAMETERS



RECORDING THE PROCESS

SOFTWARE KDENLIVE FOR EDITING VIDEOS

The screenshot shows the kdenlive website with the current version 23.08.4. It features three main download sections: Windows (with an 'Installable' button highlighted in yellow), Linux (with 'Flatpak' and 'Ubuntu PPA' options), and macOS (with an 'Intel' button). A note at the bottom of the Windows section states: 'Recommended Windows 10 or newer. Older versions might not work properly.'

FILE SIZE (TOO HEAVY)

Name	Date	Type	Size	Length
w2-sketching	2/10/2024 6:19 PM	MP4 File	11,016 KB	00:00:57

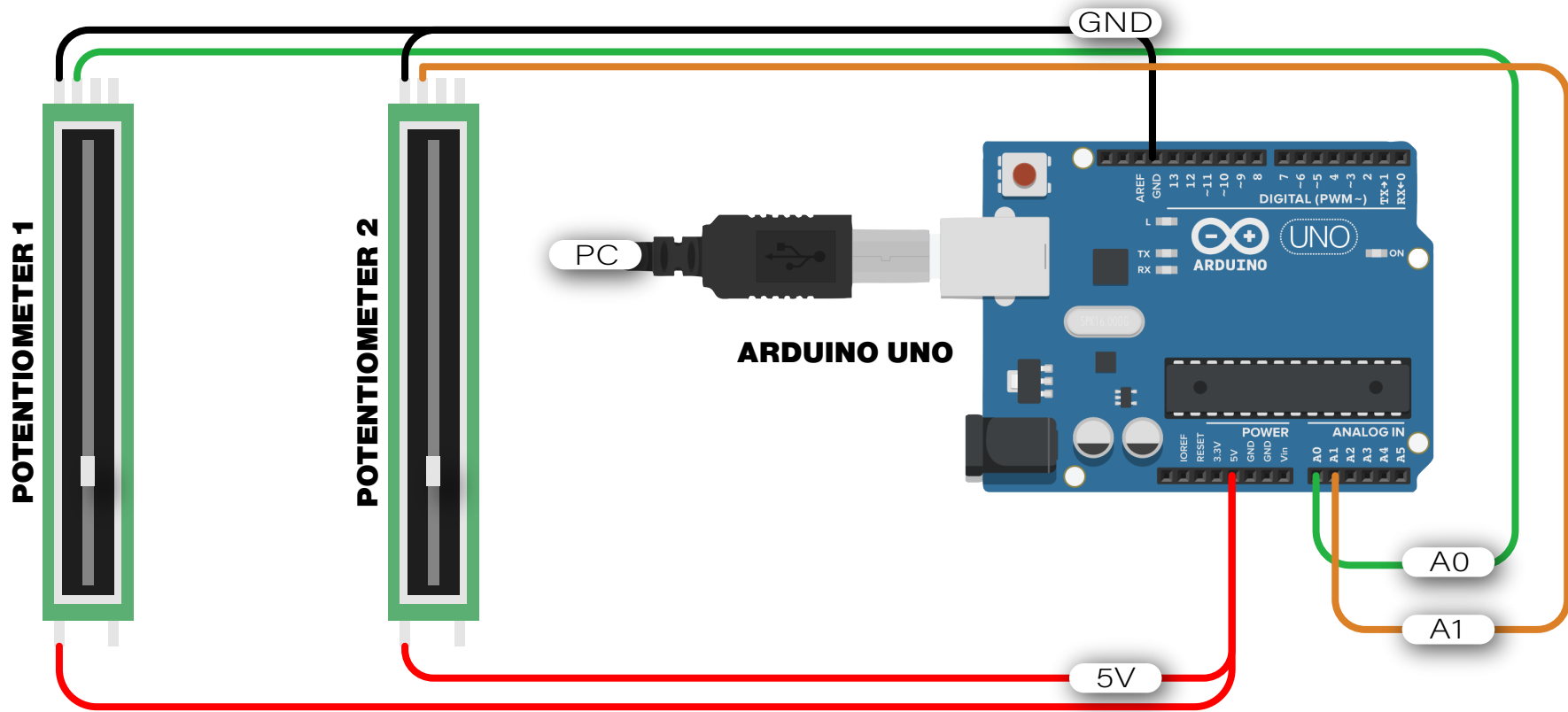
CONVERTING VIDEO TO GIF: PARAMETERS

The screenshot shows the 'MP4 video to GIF converter' interface. It includes a toolbar with options like 'video to GIF', 'to WebP', 'to APNG', 'crop video', 'resize', 'rotate', 'reverse', 'mute', 'cut video', 'speed', 'subtitles', and 'more tools'. A video preview window shows a sketching process. Below the preview, the file size is listed as 10.76MiB, width: 1920px, height: 1028px, type: mp4 (video), length: 00:00:57. The 'convert' button is highlighted in yellow. Below the preview, there are input fields for 'Start time (seconds): 0' and 'End time (seconds): 57', both with 'Use current position' buttons. Further down, there are dropdown menus for 'Size: Original (up to 600px)', 'Frame rate (FPS): 5 (max 60 seconds)', and 'Method: FFMPEG'. A checkbox for 'Optimize for static background' is also visible. At the bottom, the 'Convert to GIF!' button is highlighted in yellow.

CONVERTING VIDEO TO GIF: RESULT

The screenshot shows the 'Output GIF animation' interface. It displays a preview of the resulting GIF, which is a sketching process. Below the preview, the file size is listed as 2.06MiB, width: 600px, height: 321px, frames: 285, type: gif. The 'convert' button is highlighted in yellow. Below the preview, there is a warning: 'We advise you to optimize the GIF to reduce file size!'. At the bottom, there is a note: 'Please avoid directly linking to this file; instead, save it upon completion. The file will be removed from our servers within 1 hour.'

WIRING DIAGRAM

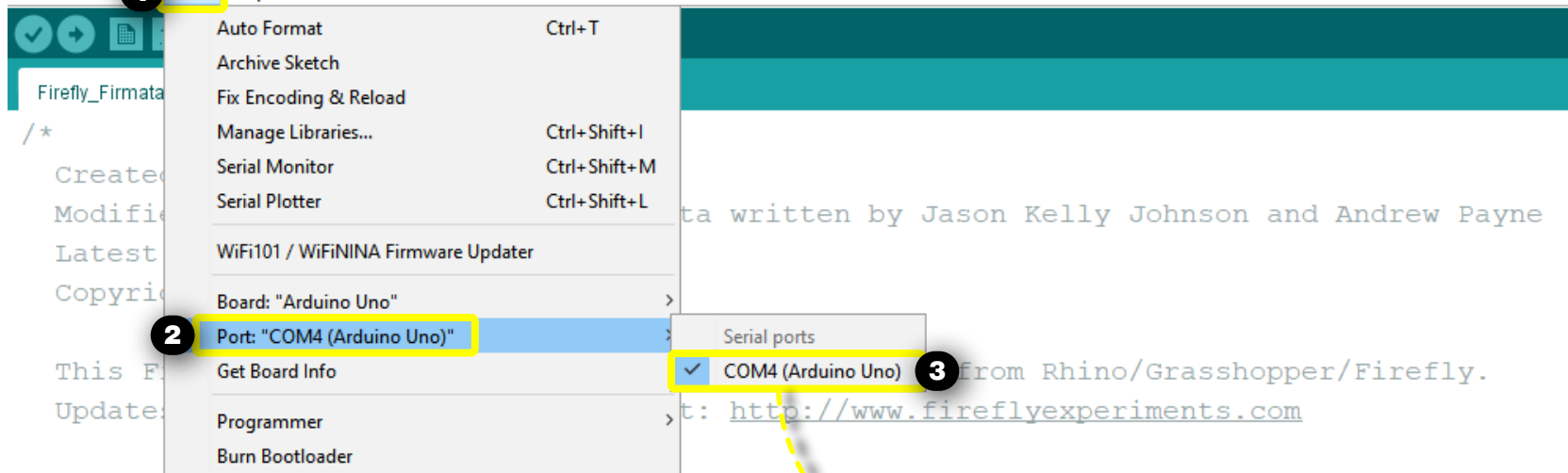


CAD 2: GRASSHOPPER FIREFLY

CHECKING PORT COM NUMBER

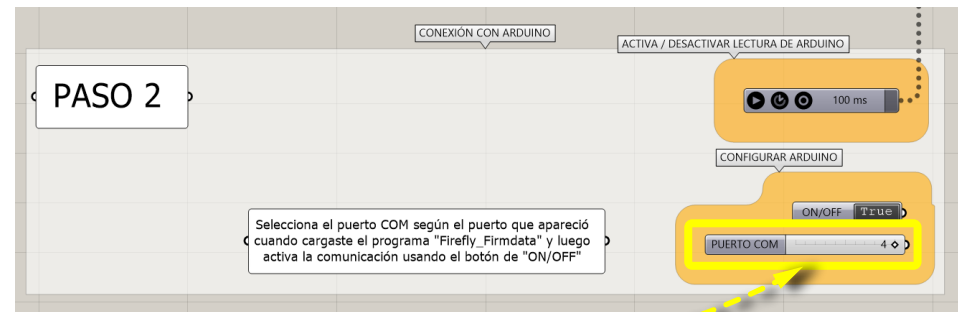
Firefly_Firmata | Arduino 1.8.19

File Edit **Tools** Help



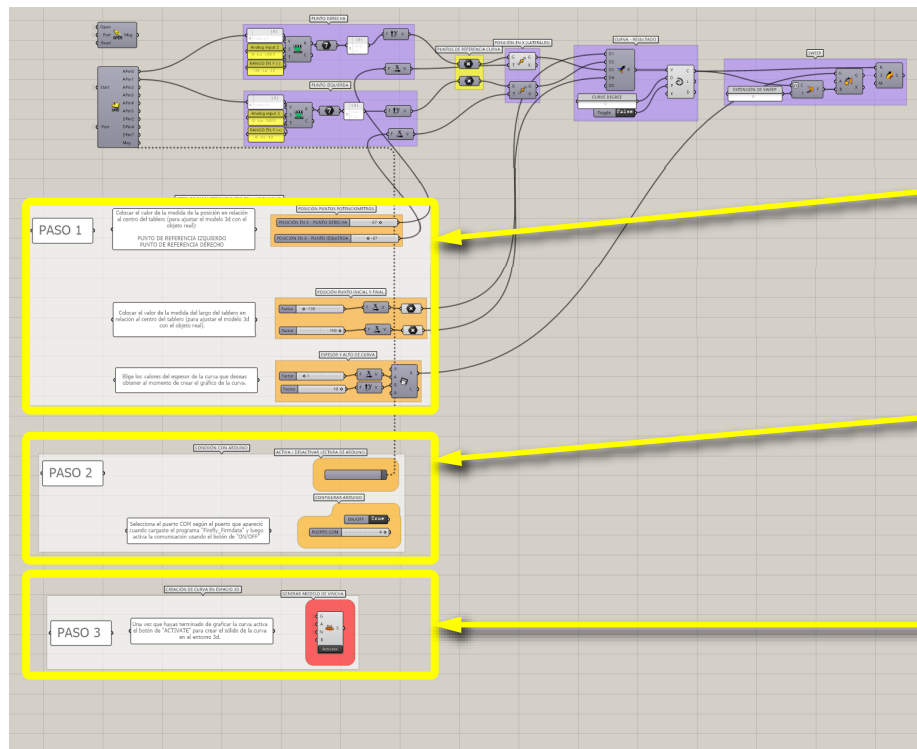
1. Plug Arduino boards into your USB port; confirm that your Arduino's green power LED is lit.
2. Select your specific Arduino Board and Serial Port (Tools > Board; Tools > Serial Port).
3. Verify (play button) and Upload (upload button) this program to your Arduino, close the IDE.
4. then open ... Rhino/Grasshopper/Firefly

SELECTING PORT COM NUMBER ON GRASSHOPPER FILE



CAD 2: GRASSHOPPER + ARDUINO

MODEL TREE



STEP 1: SET THE MEASURES AND POSITIONS

Use the measures on the grid on the physical panel and put the values on the sliders. Then use the sliders to select the dimensions for the thickness and height of the curve.

STEP 2: CONNECTING TO ARDUINO

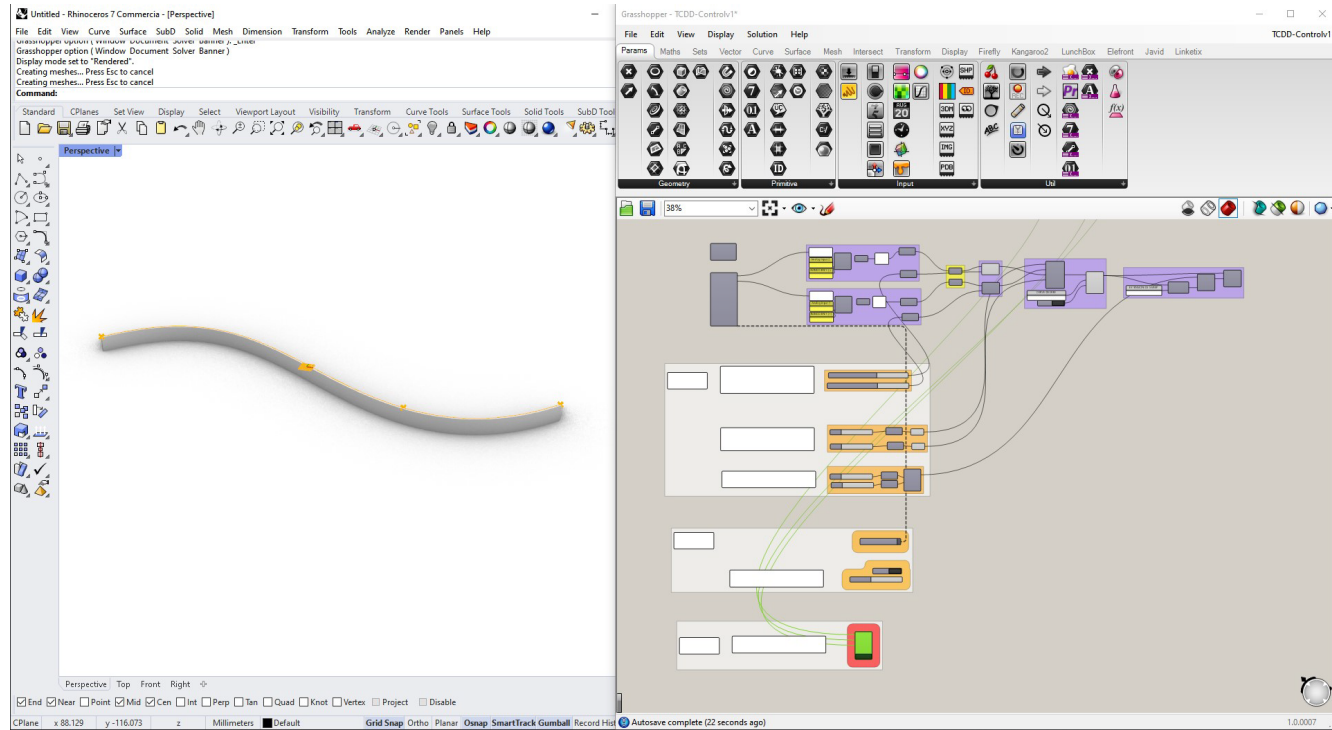
Select the number of the port COM and toggle the "on/off" switch and finally start the communication by clicking on the "play" icon.

STEP 3: MAKING THE CURVE SOLID

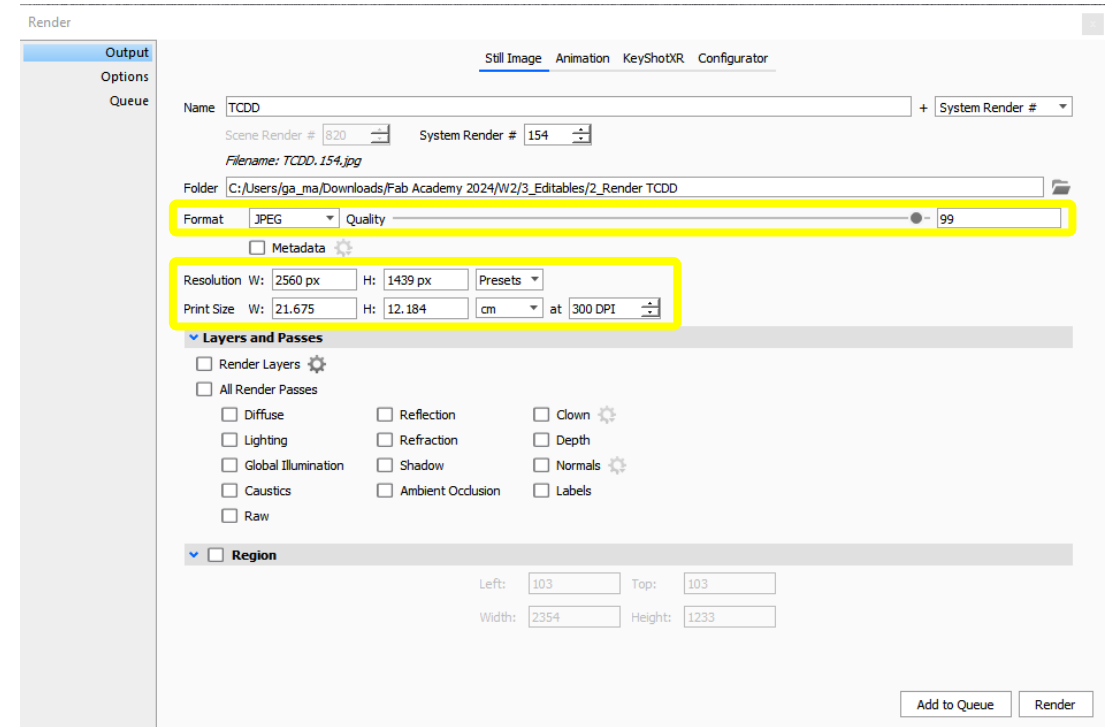
Use the "ACTIVATE" button for "baking" the sweep and making the curve into a solid.

RENDERING: KEYSHOT 10

GRASSHOPPER SCREENSHOT FOR RENDER

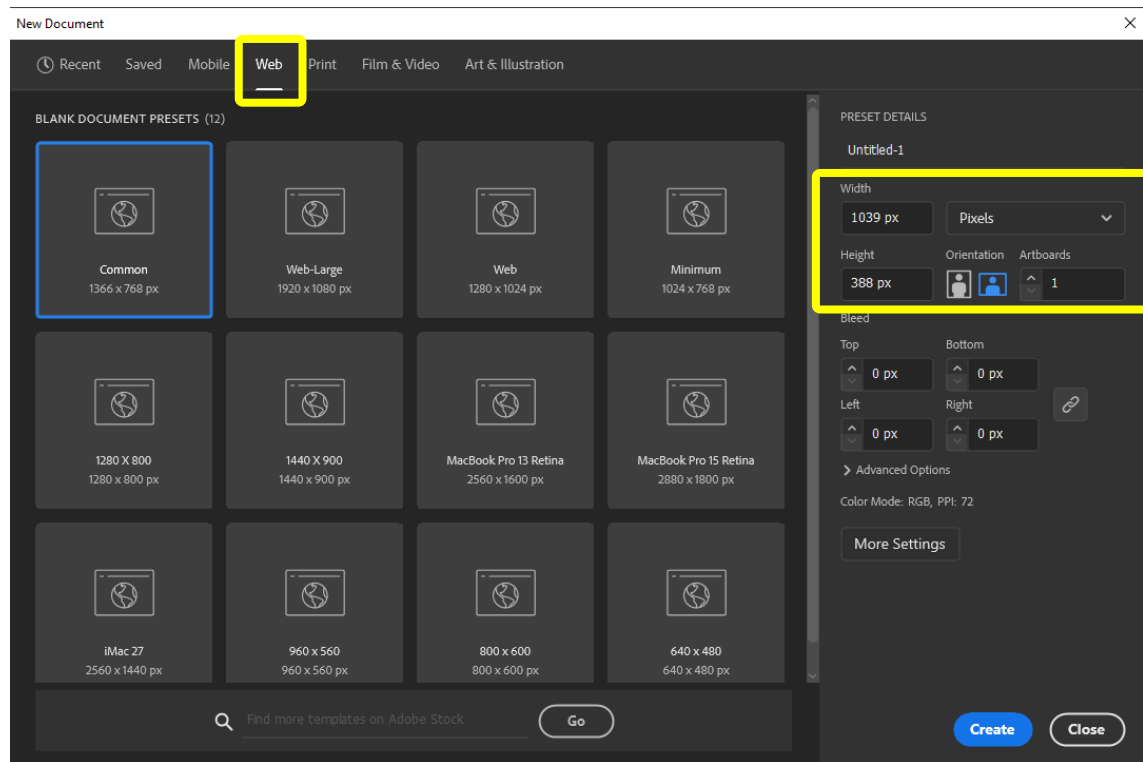


RENDERING PARAMETERS



2D SOFTWARE: ADOBE ILLUSTRATOR

INITIAL CONFIGURATION



EXPORTING PARAMETERS

