How to use Violet's scaling calculator

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🏷 Tags	Tutorial

## Step 1 : Bring image with scale reference into Illustrator
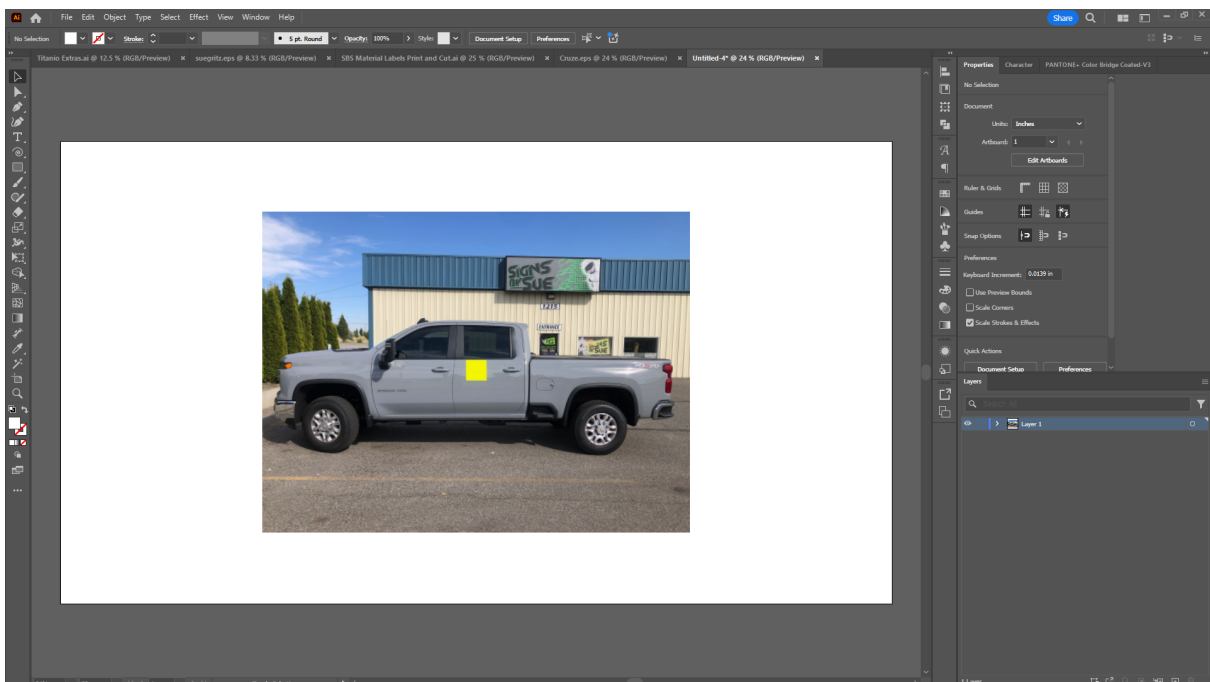
To begin, I'll drop my image at any size into Illustrator. It's ideal to do this with an image that's as straight-on and level as possible. I'll also need some sort of reference point that I know the size of with certainty. In this example, I know that the yellow magnet is 12″x12″.

Step 2 : Measure your reference
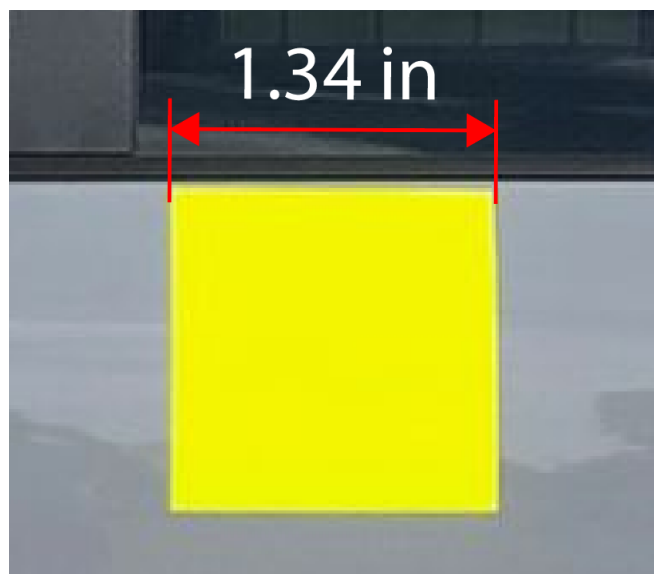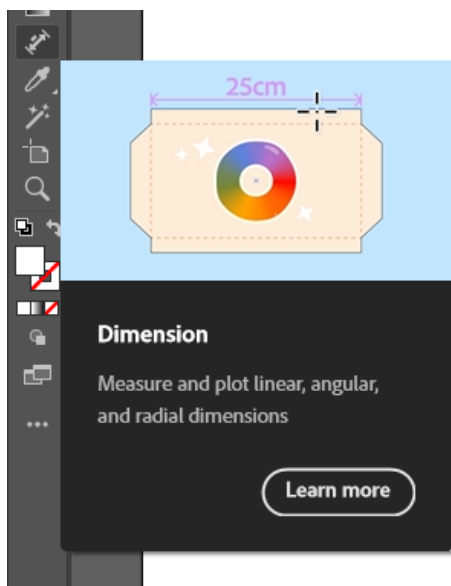
Since I know that the yellow magnet is 12″x12″, I'll use that as my reference. I'll simply use illustrator's dimension tool to measure the image at its current size. In this example, it's at 1.34″.

Step 3 : Open the tool and input your measurements
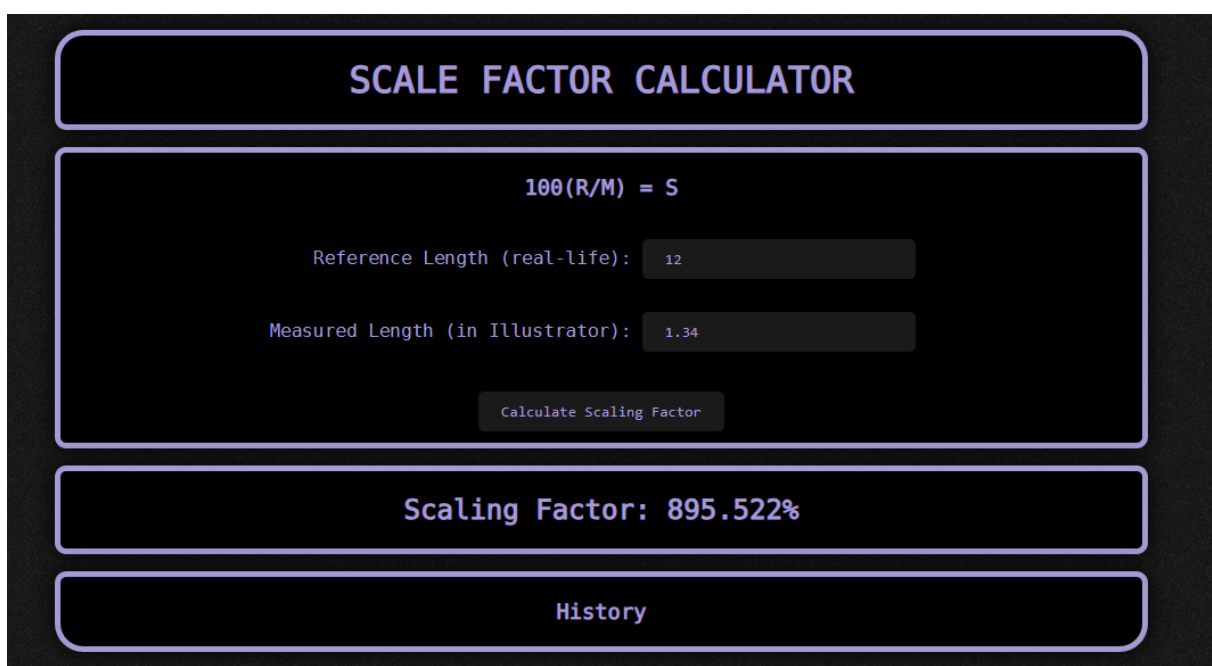
Next I'll simply open Violet's tool in my web browser, and enter my measurements into the boxes. For this example the 'Reference Length' is 12″, because the real life measurement of my reference point (the yellow magnet) is

12". I'll set the 'Measured Length' to 1.34", what we got from measuring in the last step. Hitting the calculate button tells us that our scaling factor is 895.522%
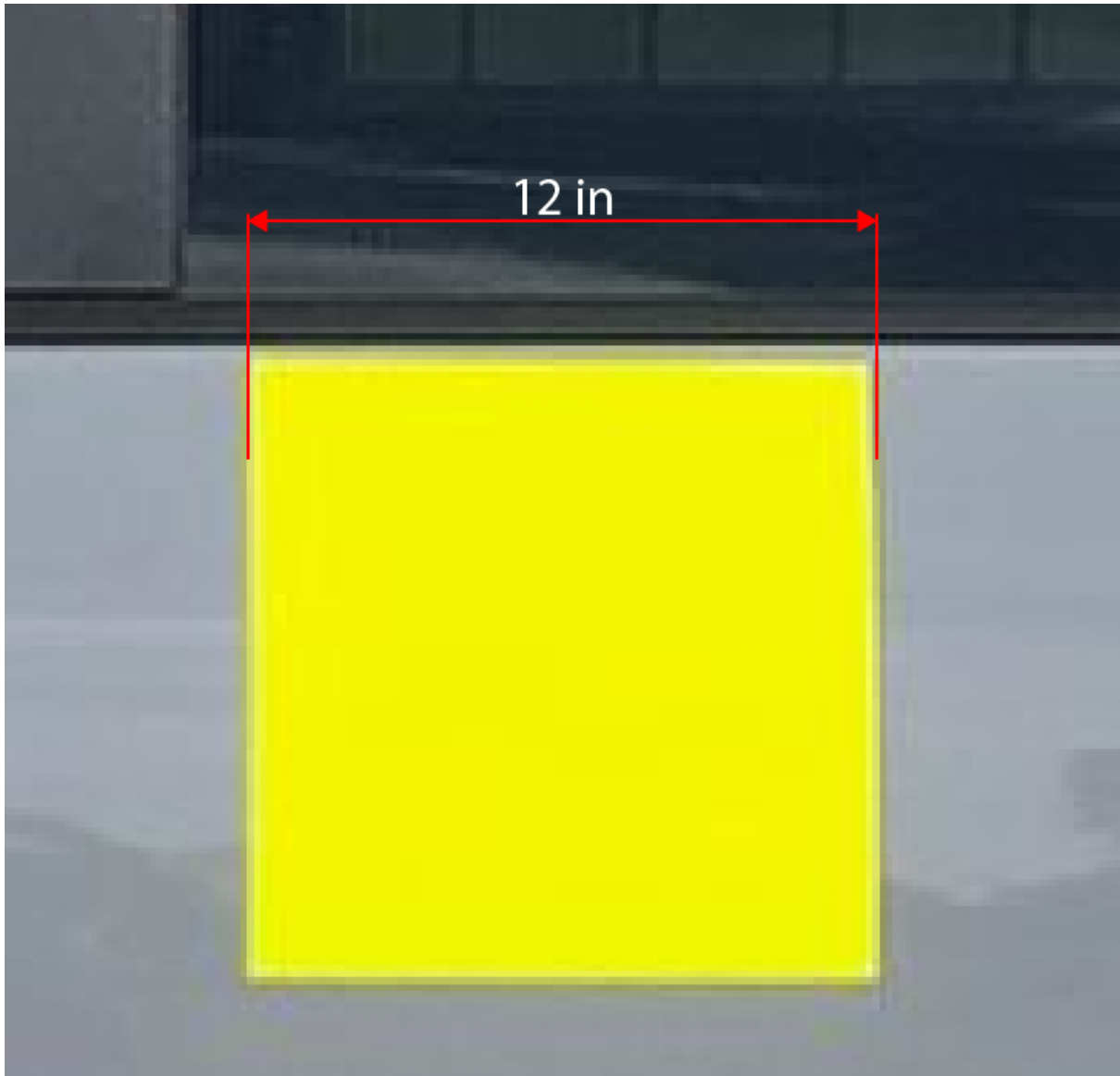
Step 4 : Scaling
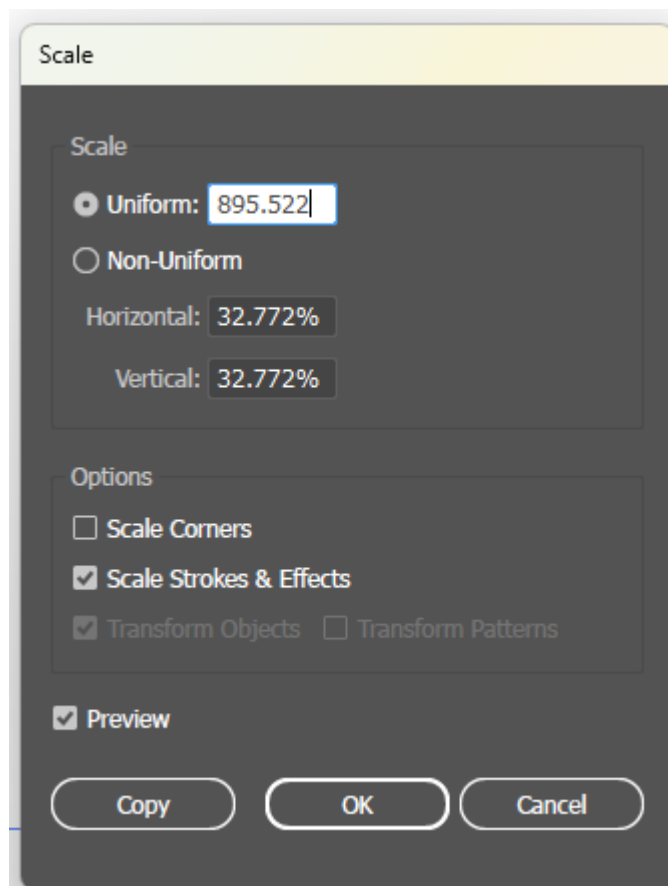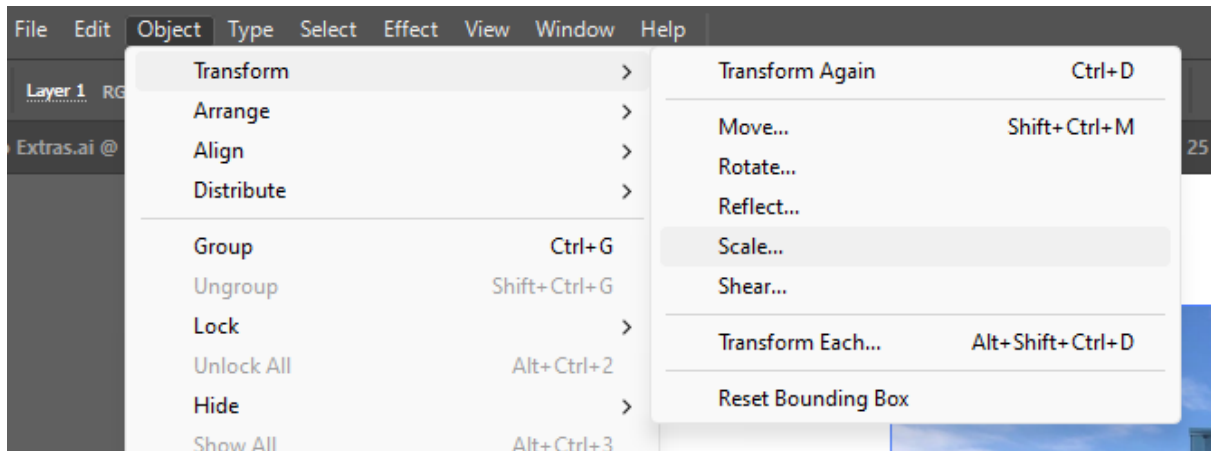
Now that I know my scaling factor, I'll select the image in Illustrator, then go to Object>Transform>Scale. This will open a dialog where I'll enter in the scaling

factor I got from Violet's calculator, making sure I'm scaling uniformly. Once I hit 'Okay' then the image will be perfectly to scale within Illustrator.

Step 5 : Check result

Just to be safe, I'll double check my reference point after I scale by measuring it again like in step 2. In this example, I did everything right and it came out perfectly.