

AN ARTIFEX FORGE TUTORIAL

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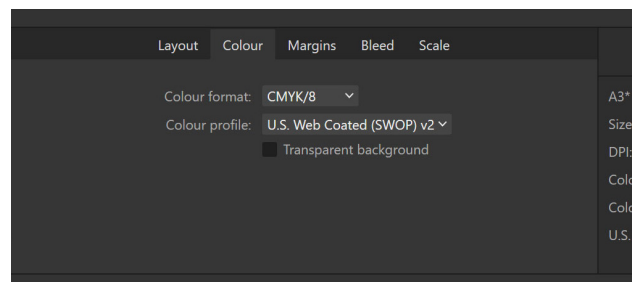
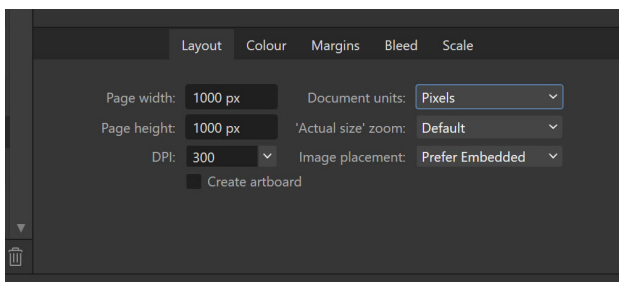
Learn how to create this digital spirograph-inspired design in 17 easy steps.

Complete instructions on how to use the brushes are included in the full pack.

The tutorial was created in the desktop version of Affinity Designer 2.2. Other versions of Affinity Designer may vary.

STEP 1

Open Affinity Designer and create a new document using the settings shown below.



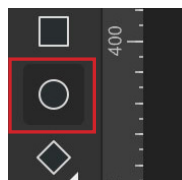
STEP 2

Load and select the 'Artifex Forge Spirograph Brushes-Sample' file. Details on how to load brushes can be found [HERE](#) and in the set of instructions included in the full pack.

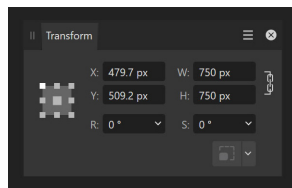
STEP 3

Create a circle by following these steps:

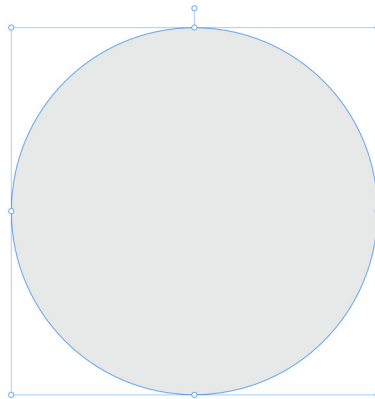
1. Select the 'Ellipse Tool' from the 'Toolbar'.



2. While holding down the 'Shift Key', click and drag to create an even circle.
3. Open the 'Transform Panel' and enter 750px x 750px in the 'W' and 'H' boxes.

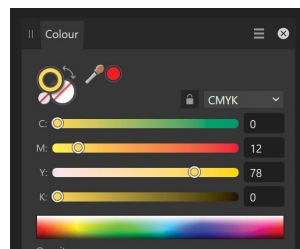
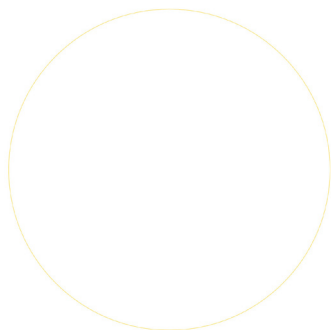


4. Move the circle to the centre of your art board.



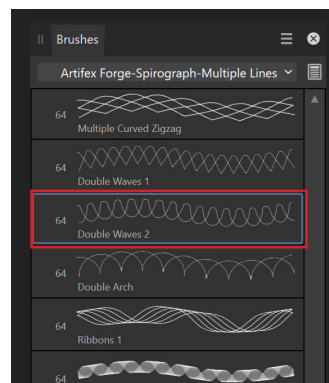
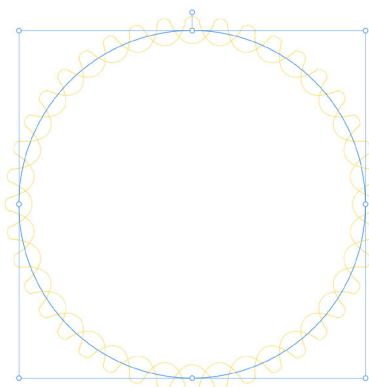
STEP 4

Clear the circle's fill color so it's transparent and color the stroke 0C, 12M, 78Y, 0K.



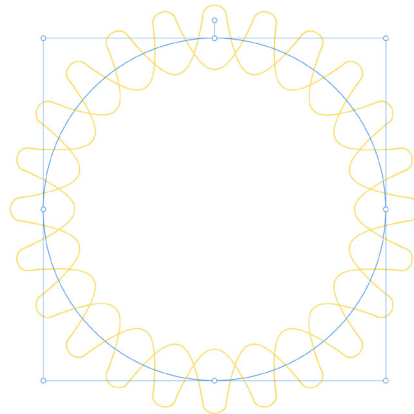
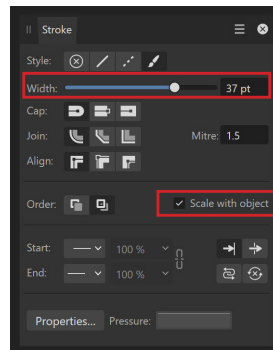
STEP 5

With the circle selected, open the 'Brushes Panel' and click on the 'Double Waves 2' brush icon to apply it to the circle.



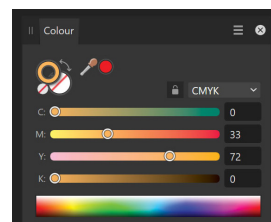
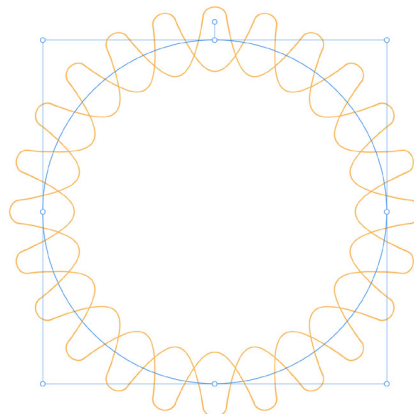
STEP 6

Ensure that 'Scale with Object' box is checked on the 'Stroke Panel' (as shown below) then set the circle's stroke weight to 37pt to increase the size of the spirograph sections.



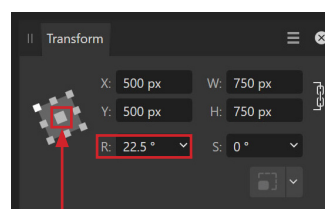
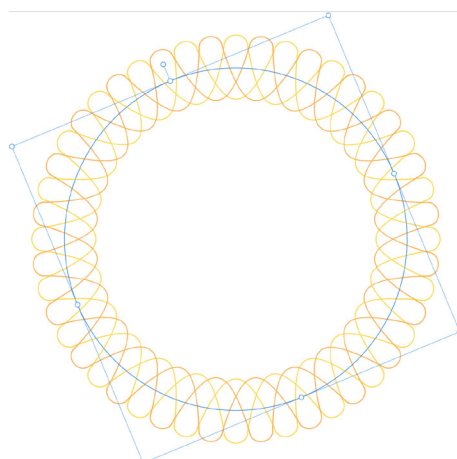
STEP 7

Copy and paste the spirograph circle using the 'Edit>Copy' and 'Edit>Paste' menus. Then, recolor the stroke of the copy to 0C, 33M, 72Y, 0K.



STEP 8

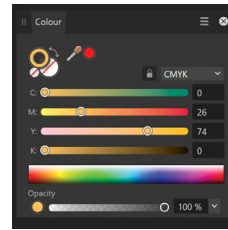
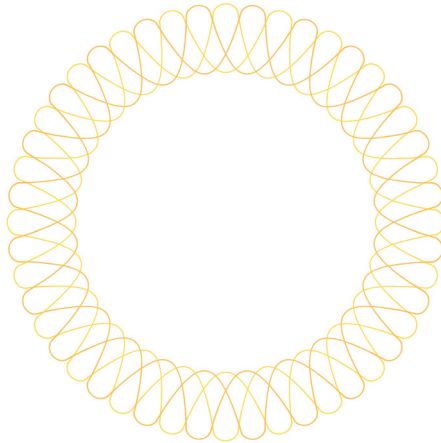
With the duplicate spirograph circle selected, use the 'Transform Panel' to rotate it 22.5°. When you do this, ensure you've clicked the 'rotate from centre' dot, as shown below.



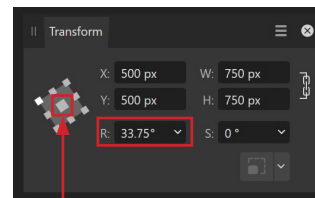
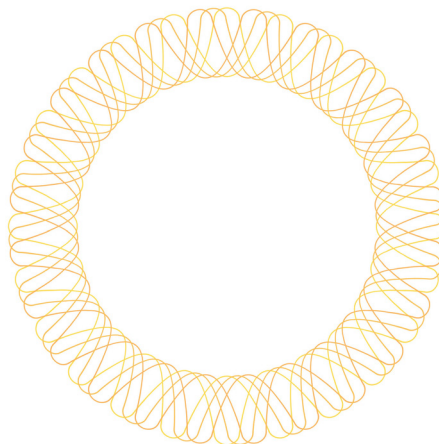
CLICK HERE TO
'ROTATE FROM
CENTRE'.

STEP 9

Duplicate the top instance of the spirograph circle (using the 'Copy' and 'Paste' menus) and Recolor it 0C, 26M, 74Y, 0K.



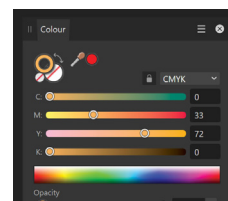
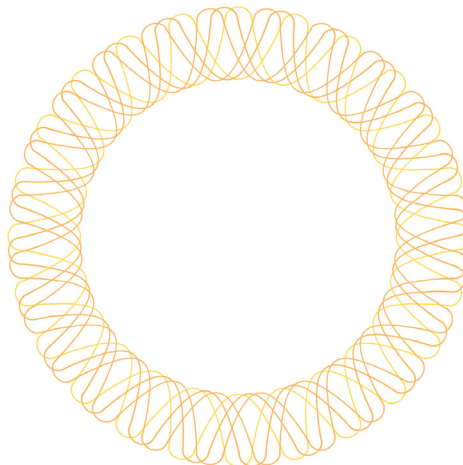
With the top spirograph circle selected, set the rotation angle to 33.75° on the transform tab (don't forget to click the 'Rotate from centre' square as you did in step 8).



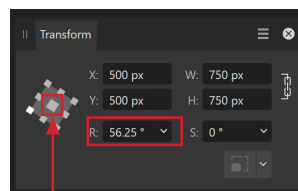
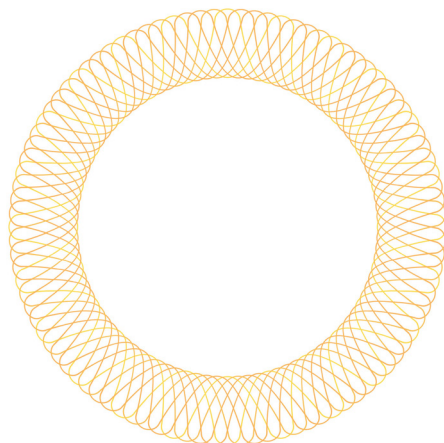
CLICK HERE TO
'ROTATE FROM
CENTRE'.

STEP 10

Duplicate the top instance of the spirograph circle and recolor it 0C, 33M, 72Y, 0K.



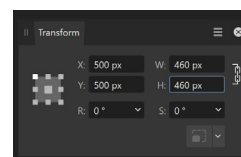
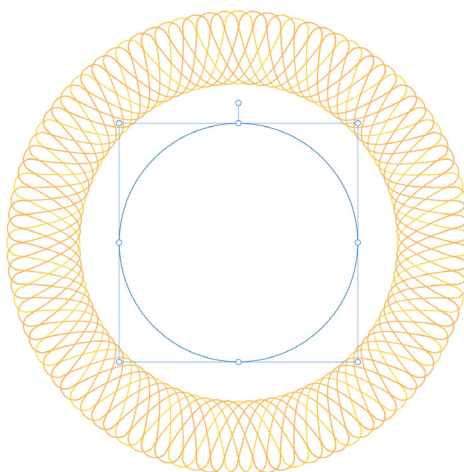
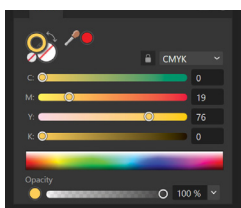
Set the top spirograph's rotation to 56.25° using the 'Transform Panel'.



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CENTRE'.

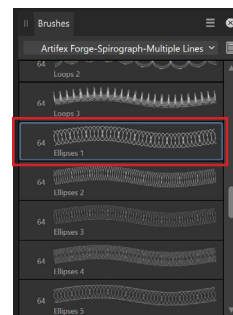
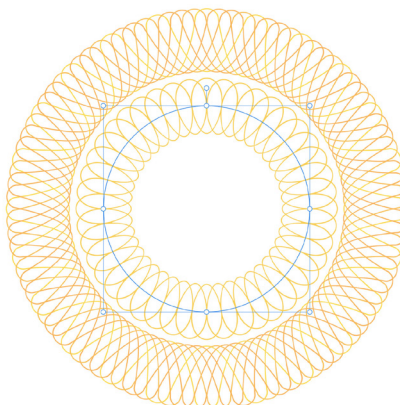
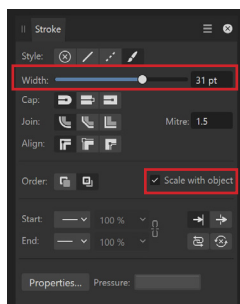
STEP 11

Now start the second section. Create a new circle measuring 460 x 460px. Color it 0C, 19M, 76Y, 0K. Position it in the centre of your document.



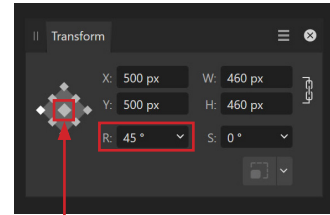
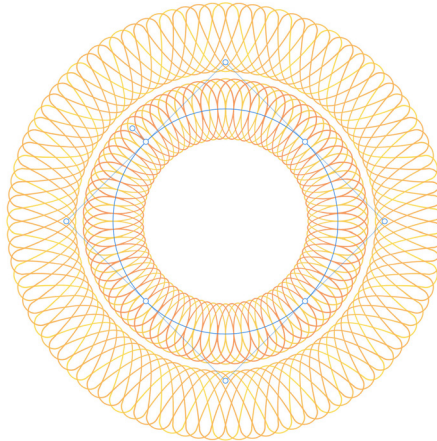
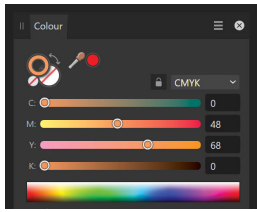
STEP 12

With the new circle selected, open the 'Brushes Panel' and click the 'Ellipses 1' brush icon, to apply it. On the 'Stroke Panel', click the 'Scale with Object' check box and set the stroke size to 31pt.



STEP 13

Duplicate the new Spirograph circle, recolor it 0C, 48M, 68Y, 0K then rotate it 45° using the 'Transform Panel'.



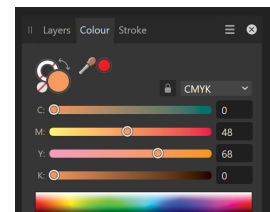
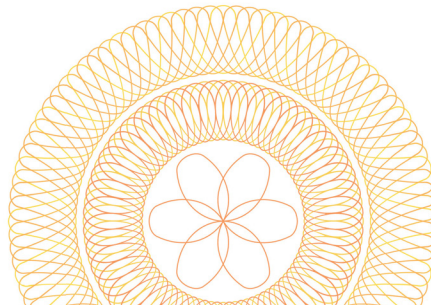
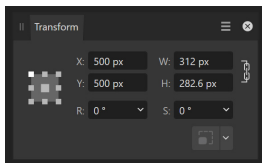
CLICK HERE TO
'ROTATE FROM
CENTRE'.

STEP 14

Now make the central section. This is made using four copies of one of the centre piece graphics. Each copy is rotated and recolored.

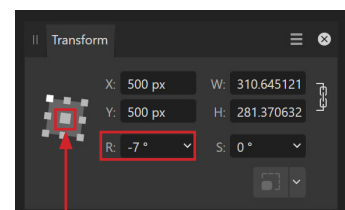
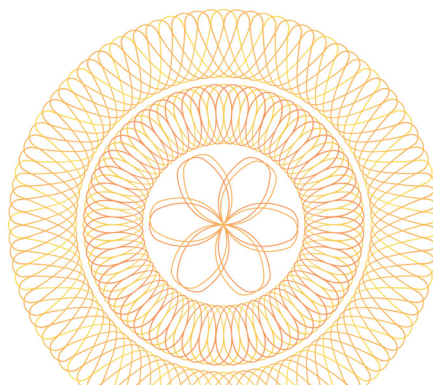
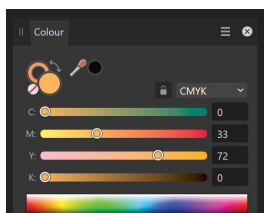
Open the 'Centre Pieces' document and copy the 'Double Waves 1 a' centre piece then paste it into your spirograph design document.

Use the 'Transform Panel' to scale it to 312 x 282.6 px. Move it to the centre of your document and set the fill colour to 0C, 48M, 68Y, 0K.



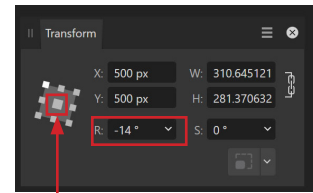
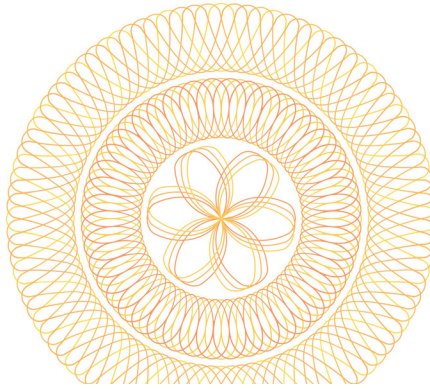
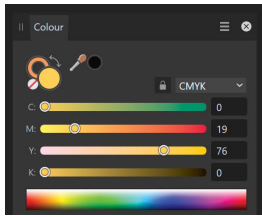
STEP 15

Duplicate the centre piece and then recolor it 0C, 33M, 72Y, 0K then rotate it -7°.



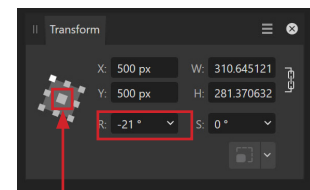
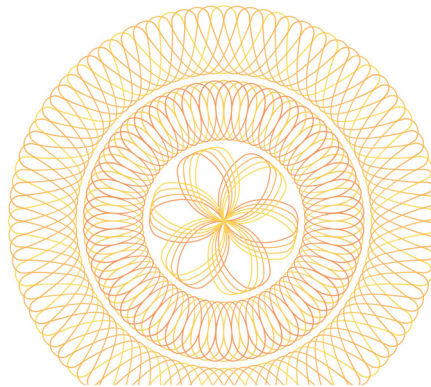
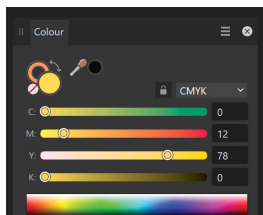
CLICK HERE TO
'ROTATE FROM
CENTRE'.

Duplicate the top centre piece and then recolor it 0C, 19M, 76Y, 0K then rotate it -14° .



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'ROTATE FROM
CENTRE'.

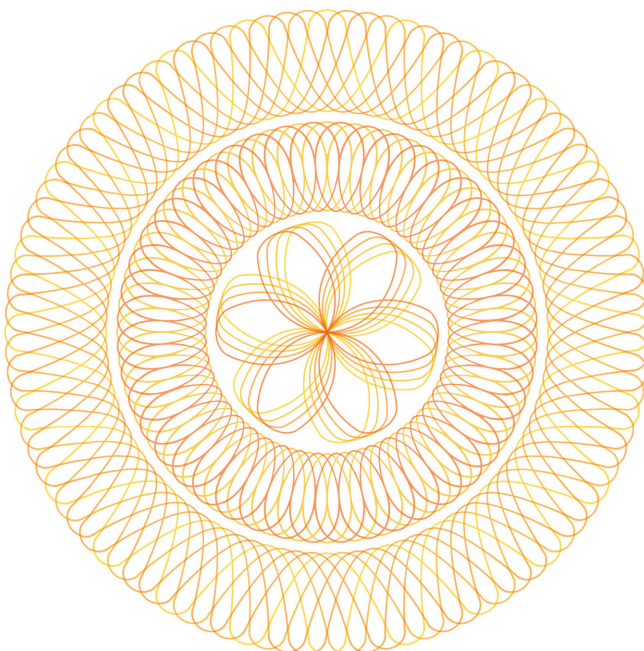
Duplicate the top centre piece and then recolor it 0C, 12M, 78Y and 0K, then rotate it -21° .



CLICK HERE TO
'ROTATE FROM
CENTRE'.

OPTIONAL STEP 16

With all spirograph elements selected, open the 'Layers Panel' and select 'Multiply' from the drop-down menu. This effect will give your spirograph an over-printed, retro ink look. This works particularly well when overlaid on textured backgrounds.



OPTIONAL STEP 17

To intensify the color, group your design, copy and paste it directly above and set the group 'Blend Mode' to 'Multiply'. This will deepen the color. Adjust the 'Opacity' of the top group as desired.

