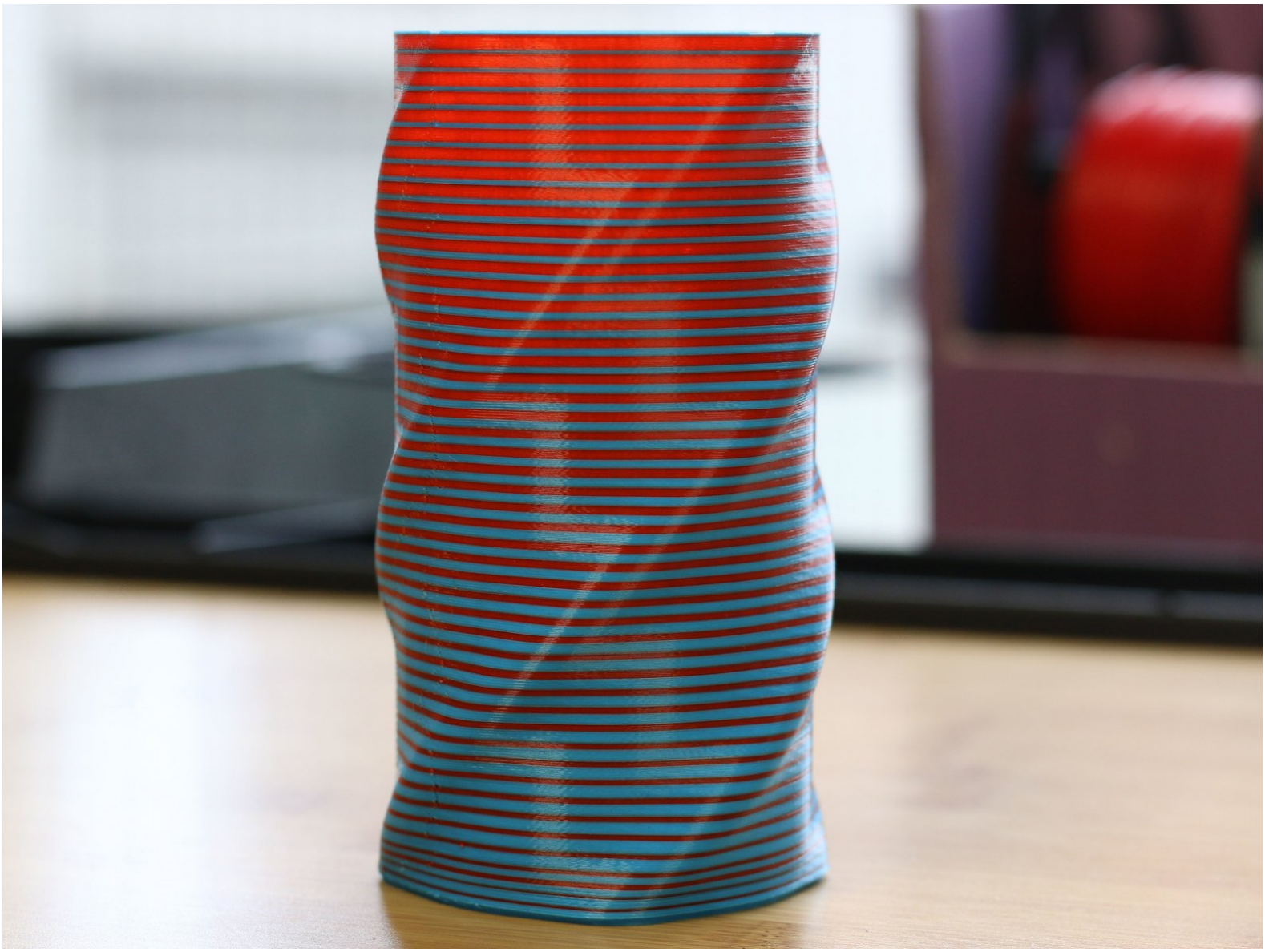
Gradient Mode (Palette/Palette+)

This guide will take you enabling Gradient Mode in Chroma for the Palette.

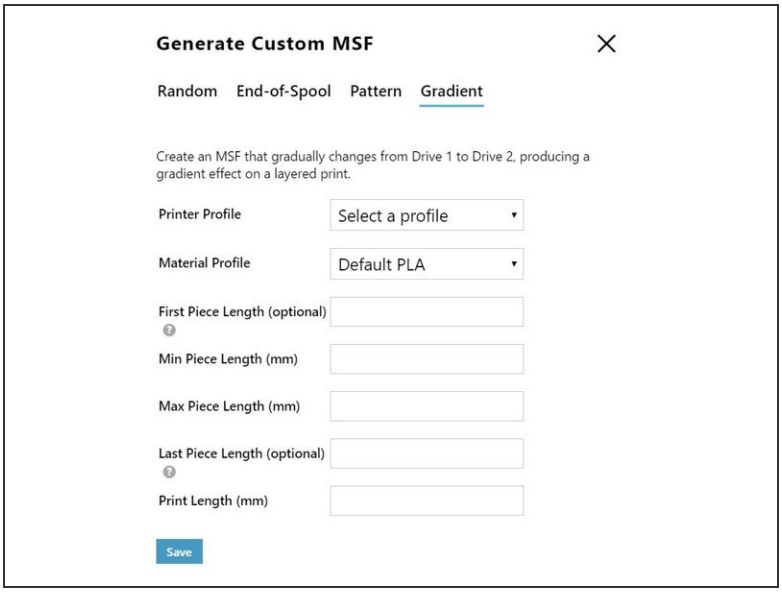
Written By: Mosaic Support



INTRODUCTION

This guide will take you enabling Gradient Mode in Chroma, which allows you to create models with a gradual change throughout the model. To learn about Gradient Mode with Palette 2 (S) (Pro), please see here.

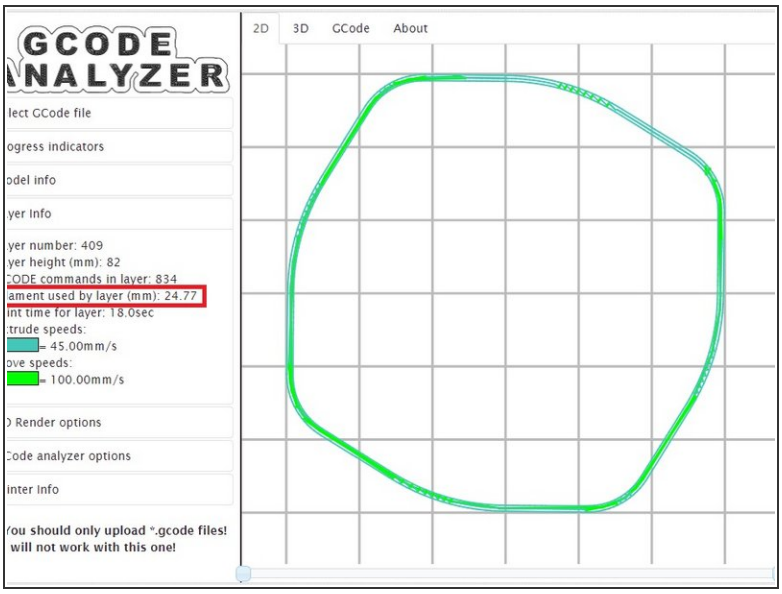
Step 1 — Generate Custom MSF

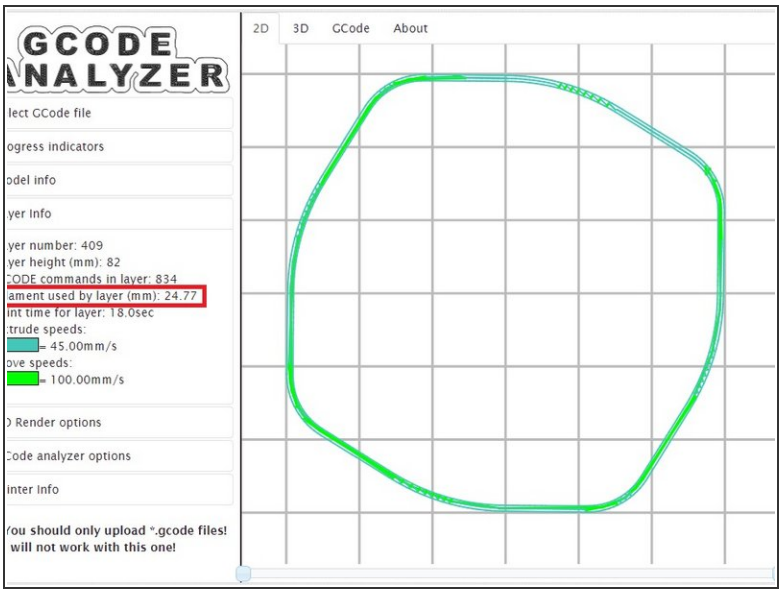


- Go to *Tools > Generate Custom MSF*. From here, select the Gradient tab.
- To produce your own gradient filament, first select your printer profile.

We've found that GCode.ws is a great resource to help with finding the values for the other fields. To better explain how to create you own gradient file, we'll use the example of the twist container.

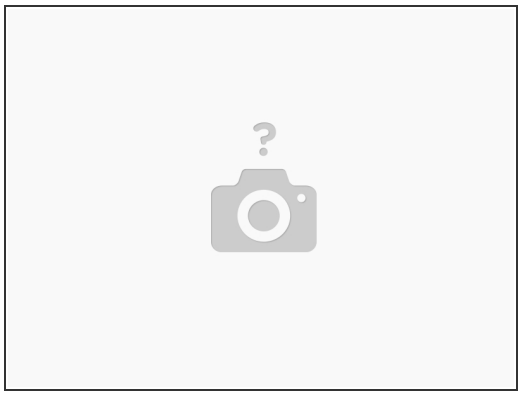
Step 2 — Finding Your Values





- **Min Piece Length (mm)**: You can find this value by examining the layers in GCode.ws. Please also note that the minimum length will need to be more than 80mm. In our model, this value is 24.77 mm, so we multiplied it by 4 and entered 100 (99.08 rounded up) into this field.
- **Max Piece Length (mm)**: This is the maximum length of filament you would use in a layer. For our twist container, we wanted a ratio of 8:1 (8 layers of red for 1 layer of blue), so we multiplied the Min Piece Length by 8 (100*8 = 800). Depending on your model, you would increase or decrease this number to create a smooth transition.
- **Print Length (mm)**: This is the total length of filament needed for this print. You can find this value on GCode.ws under the Model Info tab and can round to the closest mm when entering into Chroma.

Step 3 — Start Your Print



- Once this information is provided, click **Save**, and Chroma will create a custom MSF that tells Palette to splice a specified length of filament for your model.
- Simply save this to the Palette SD card and prepare as you normally would for a print. There is also no need for a transition tower, as the transitions happen within the model, adding to the gradient effect.

If you have any additional questions, please feel free to message us at support@mosaicmfg.com.

