# What are the common printing errors with DTG?

Direct to Garment (DTG) printing is a popular method used for printing high-quality designs directly onto fabric. However, like any printing process, it can also experience errors. Here are some common printing errors with DTG and how to avoid them:

- **Blurry or Pixelated Prints**

DTG printers require high-resolution images for printing. If the resolution of the image is low, it can result in a blurry or pixelated print. To avoid this error, ensure that your design file is at least **300 DPI** and saved in a high-quality file format such as PNG.

- **Color Shifts**

The colour difference between the final print output and the design file is due to the conversion of your design file from RGB to CMYK format. As DTG printers choose the closest colours to the design file, the print appears to be faded when saturated or neon colours are used.

You can refer to the below images that demonstrate the same.



 

- **Misaligned Prints**

DTG printers require precise positioning to ensure that designs are printed in the correct location. Misaligned prints can occur if the garment is not loaded correctly or if the design file is not correctly positioned. To avoid this error, ensure that your design file is correctly positioned before ordering it for your customers.

- **Effects like Drop Shadows**, **Glow or Haze**

Effects like drop shadows, glow, or haze is not recommended in DTG printing as the design may look appealing on the screen, but the final output may not be as you would have expected. This is because in any of the above-mentioned effects the opacity of your colours in the digital file may range between 1%-99%, but when a DTG printer processes your design file and prints it on the garment, it uses exceptionally lighter shades with 100%

opacity for the same. Also, a white under base is printed below any shade that has a pixel value and hence, you can notice a white blob that dulls your effect. To avoid this, we suggest not opting for gradient effects in your design files or placing sample orders to finalise your designs.

By taking these common DTG printing errors into consideration when creating your design files, you can ensure that your prints are of the highest quality and free from errors.

Happy Designing!

**Suggested Article**: [What are the common printing errors with DTF?](https://community.printrove.com/portal/en/kb/articles/what-are-the-common-printing-errors-with-dtg)