Testing

This section will be used to document the usage of my colab notebook, so that someone coming along in the future and editing code could ensure that their code is still doing what it should. In this testing I will be using the dataset found under this notebook/datasets/passion flower

|  |  |  |
| --- | --- | --- |
| Testing | | |
| Input | Result | Evidence |
| Preparing your dataset | | |
| Unzipping dataset zip from drive  (dataset.zip) | Dataset unzipped to local machine’s folder |  |
| Padding unzipped dataset (passion flower folder of jpgs, target resolution set to 1024) | Dataset padded to 1024x1024 |  |
| Converting your dataset to .tfrecords | | |
| Converting now padded images to tfrecords (file path of folder containing jpgs, ouput path of content/tfrecords/flower | Dataset converted to a set of .tfrecords files and saved to the output directory |  |
| Archiving tfrecords to google drive (file path of tfrecords) | Dataset saved to drive folder of the same name |  |
| Importing previously prepared datasets (file path of tfrecords within google drive), I will terminate and restart the session | Tfrecords copied from drive to colab local files |  |
| Training your network | | |
| Transfer learning run using ffhq dataset of the same resolution |  |  |
| Using the trained network | | |
|  |  |  |
| Using generateEdited.py without supplying Json files | An Image will be produced from the given network, along with two json files |  |
| Using generateEdited.py, supplying jsons from the previous test | An identical image will be produced to the test above | On an image comparison site, zero differences were detected: |