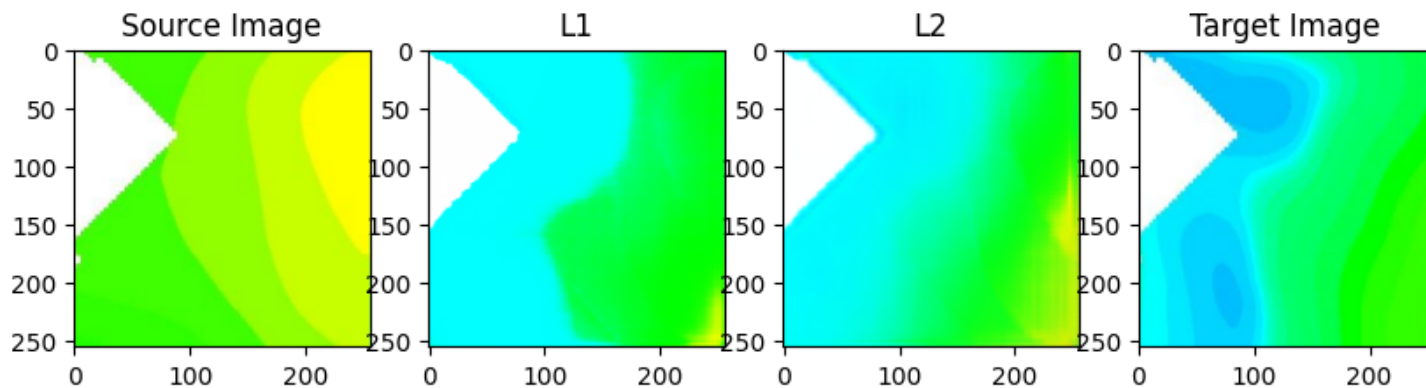




Index: 55

1/1 [=====] - 0s 334ms/step

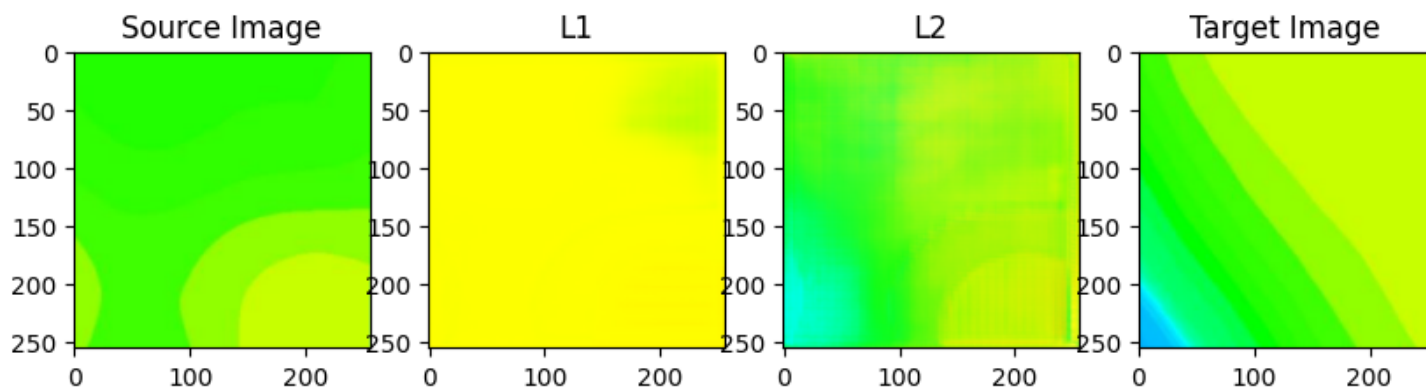
1/1 [=====] - 0s 334ms/step



Index: 56

1/1 [=====] - 0s 357ms/step

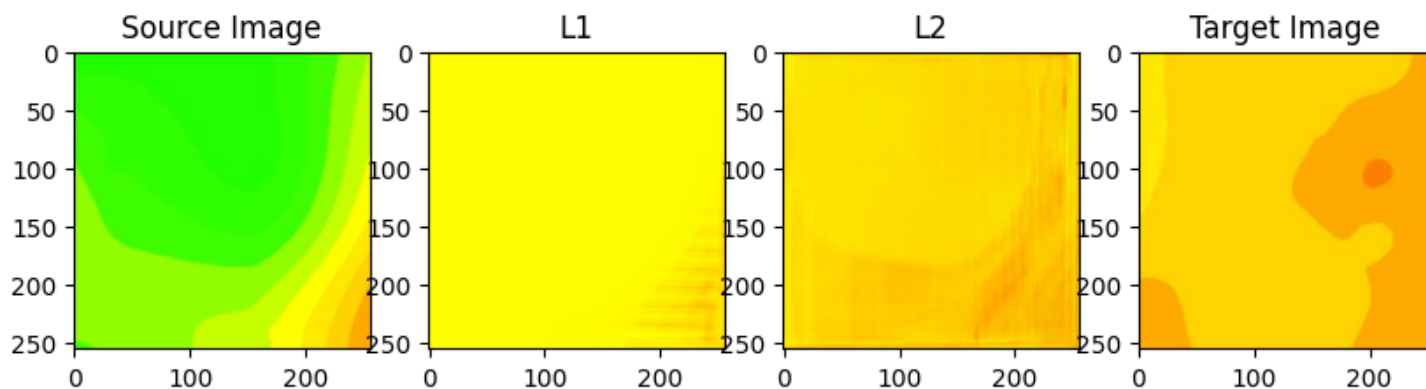
1/1 [=====] - 0s 329ms/step



Index: 57

1/1 [=====] - 0s 333ms/step

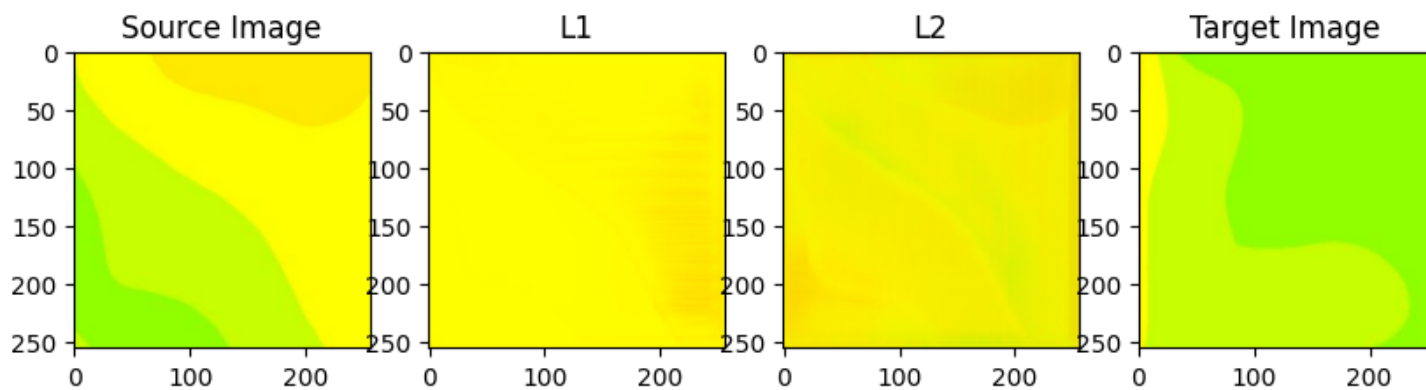
1/1 [=====] - 0s 349ms/step



Index: 58

1/1 [=====] - 0s 490ms/step

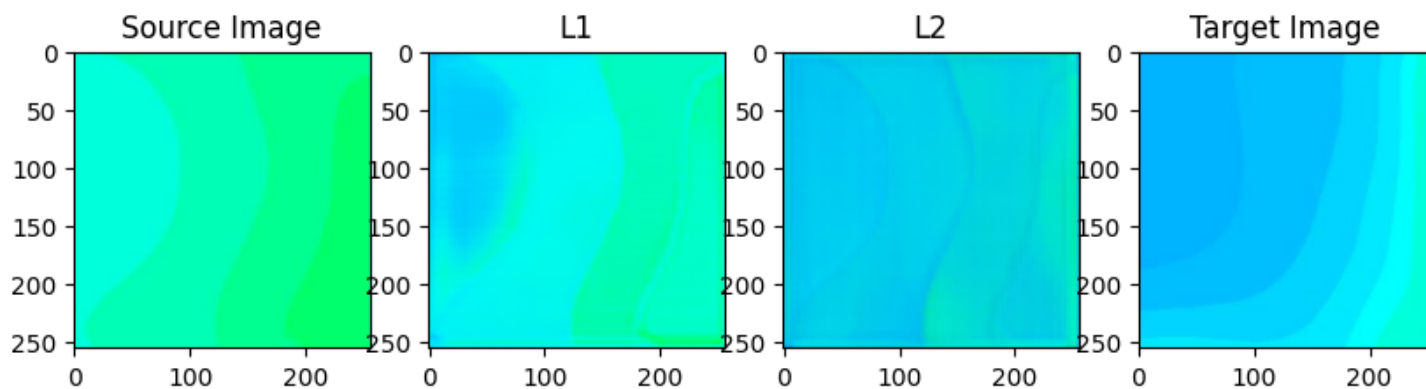
1/1 [=====] - 1s 507ms/step



Index: 59

1/1 [=====] - 0s 338ms/step

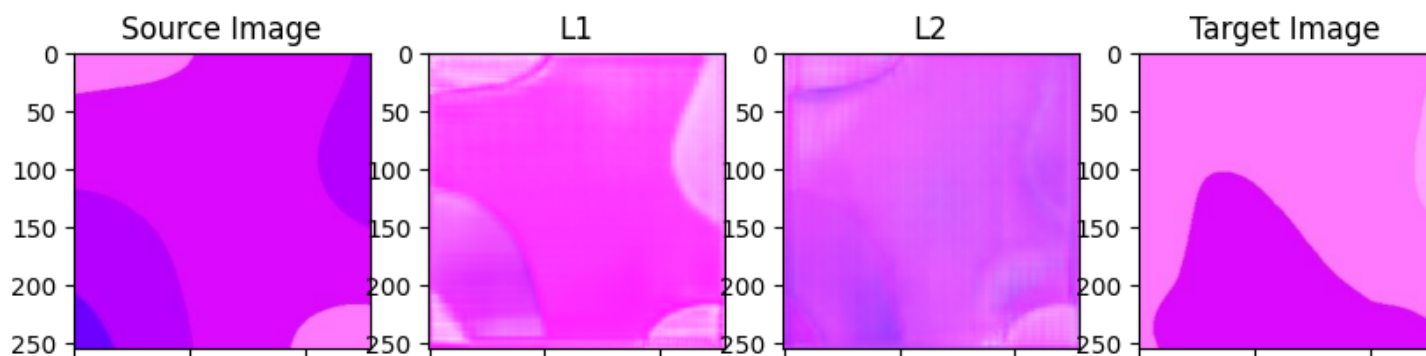
1/1 [=====] - 0s 333ms/step



Index: 60

1/1 [=====] - 0s 361ms/step

1/1 [=====] - 0s 360ms/step

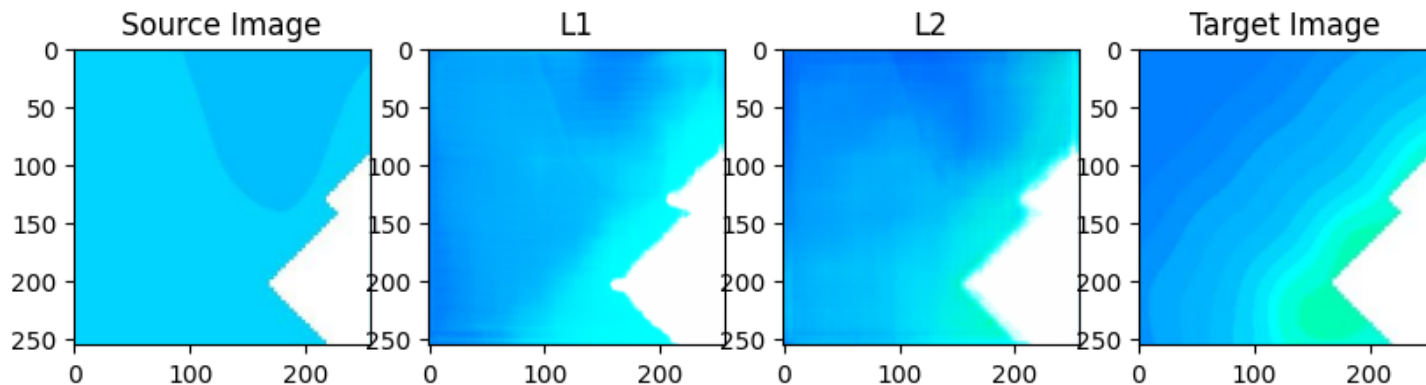


0 100 200 0 100 200 0 100 200 0 100 200

Index: 61

1/1 [=====] - 0s 348ms/step

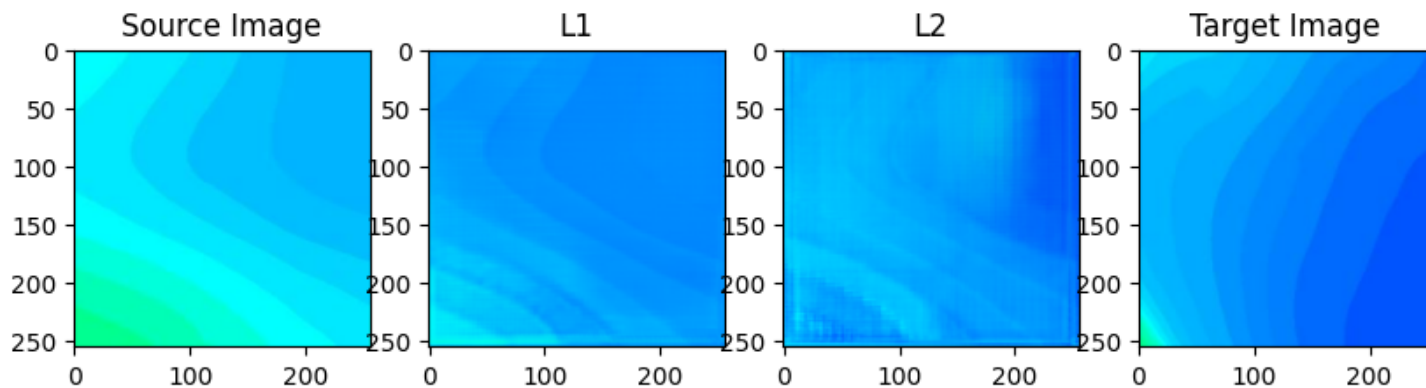
1/1 [=====] - 0s 338ms/step



Index: 62

1/1 [=====] - 0s 364ms/step

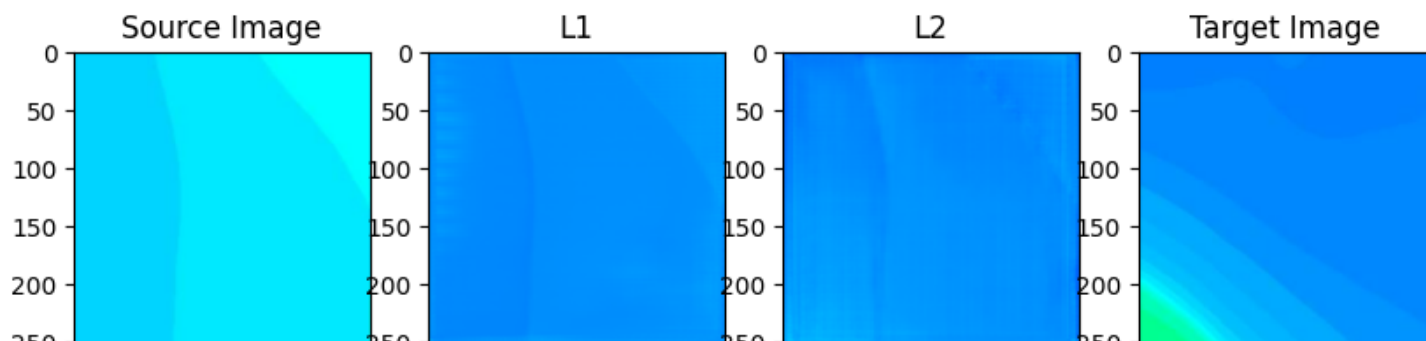
1/1 [=====] - 0s 349ms/step



Index: 63

1/1 [=====] - 0s 387ms/step

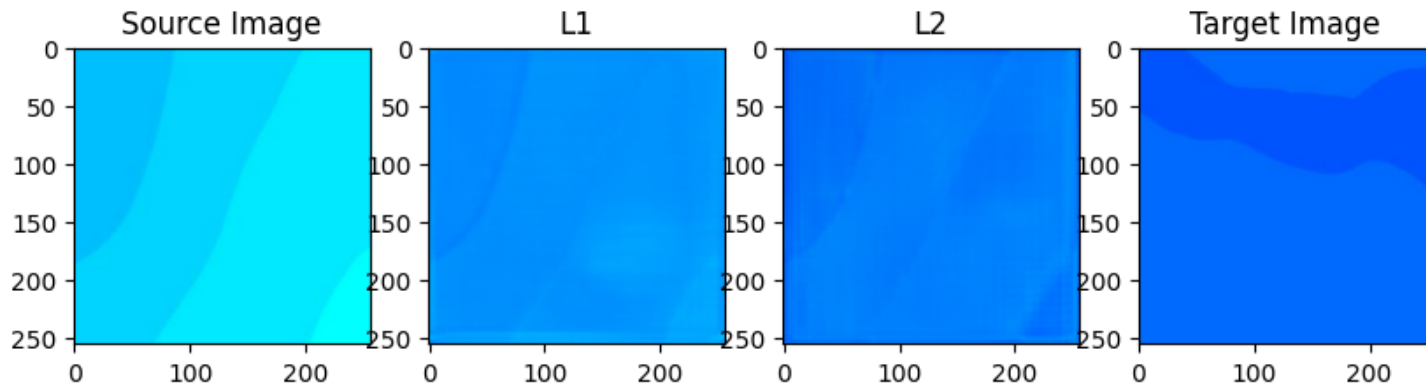
1/1 [=====] - 0s 337ms/step



Index: 64

1/1 [=====] - 0s 362ms/step

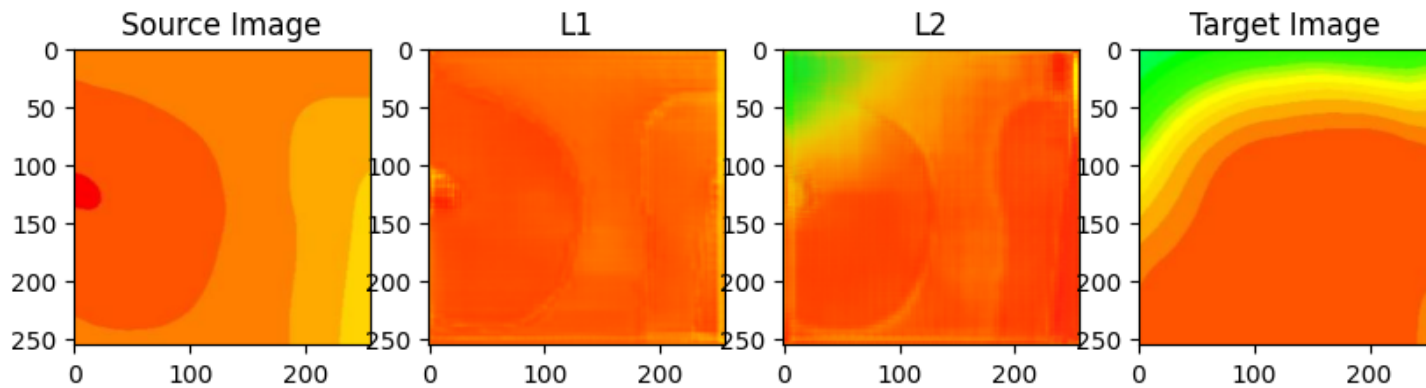
1/1 [=====] - 0s 338ms/step



Index: 65

1/1 [=====] - 0s 350ms/step

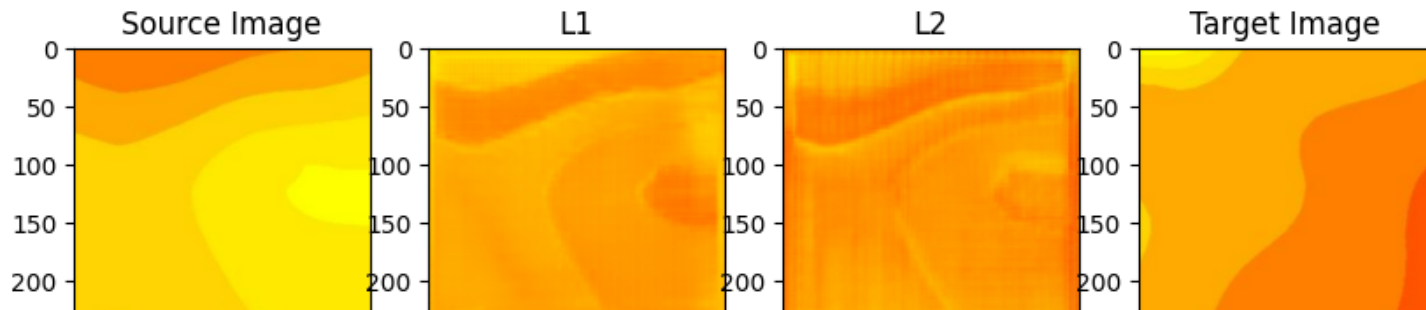
1/1 [=====] - 0s 340ms/step

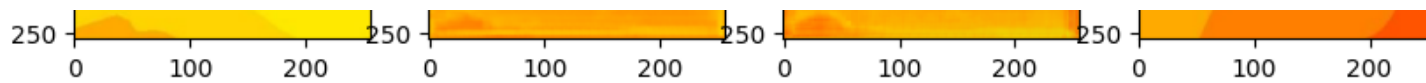


Index: 66

1/1 [=====] - 0s 475ms/step

1/1 [=====] - 0s 461ms/step

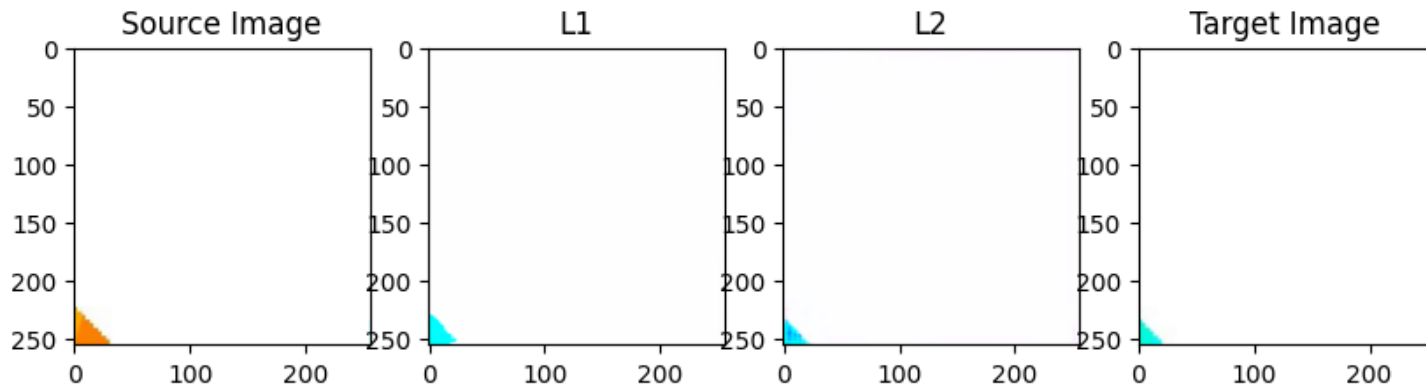




Index: 67

1/1 [=====] - 0s 335ms/step

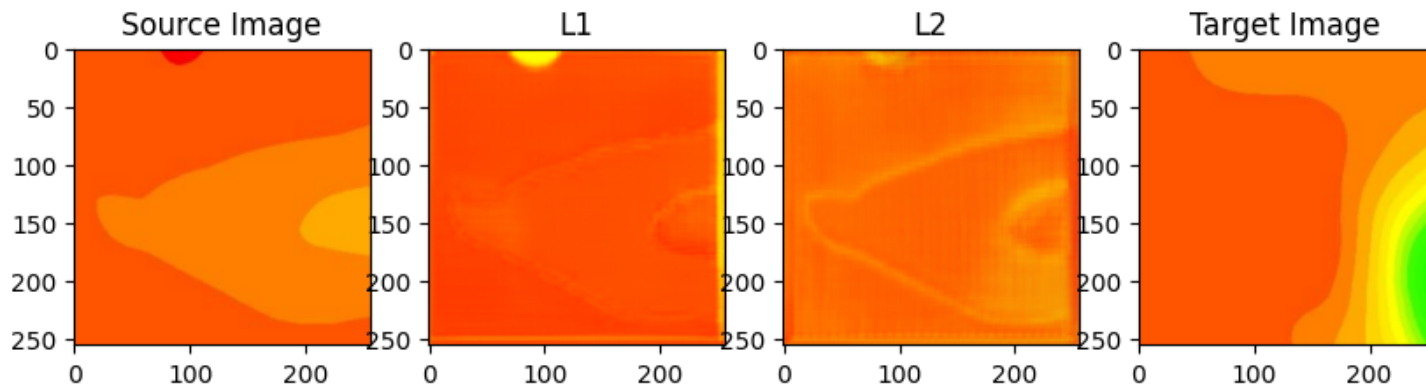
1/1 [=====] - 0s 342ms/step



Index: 68

1/1 [=====] - 0s 349ms/step

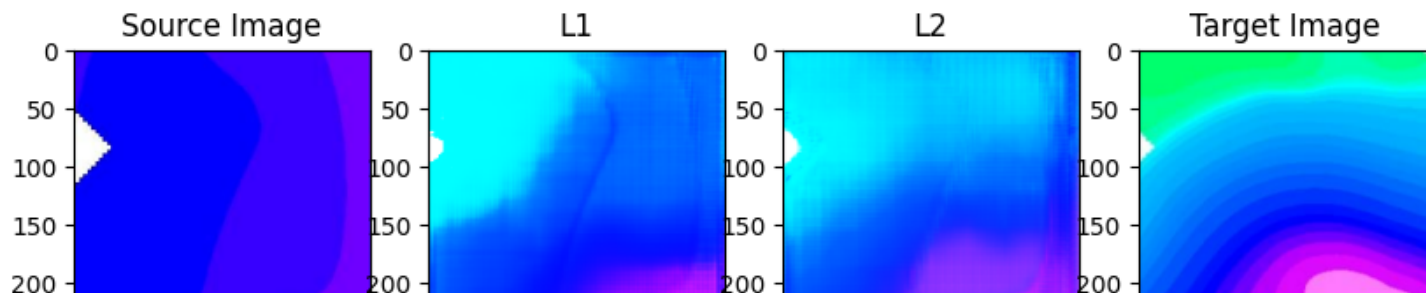
1/1 [=====] - 0s 323ms/step

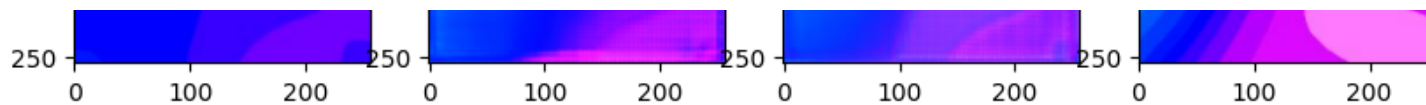


Index: 69

1/1 [=====] - 0s 373ms/step

1/1 [=====] - 0s 357ms/step

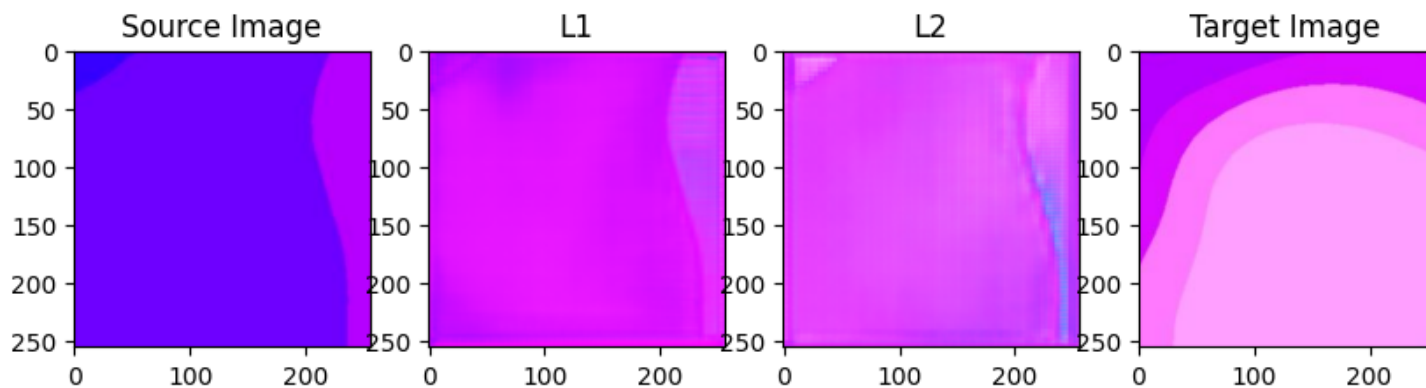




Index: 70

1/1 [=====] - 0s 383ms/step

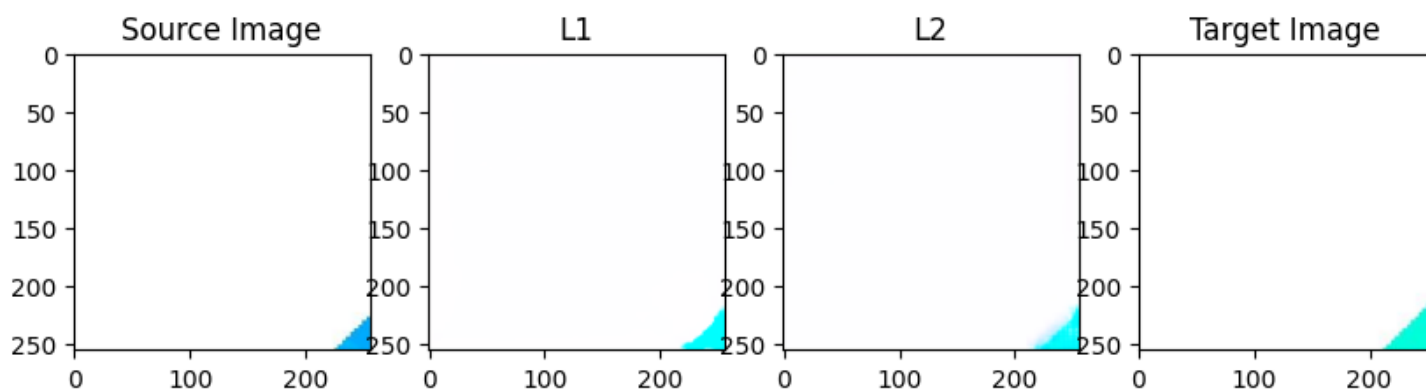
1/1 [=====] - 0s 339ms/step



Index: 71

1/1 [=====] - 0s 378ms/step

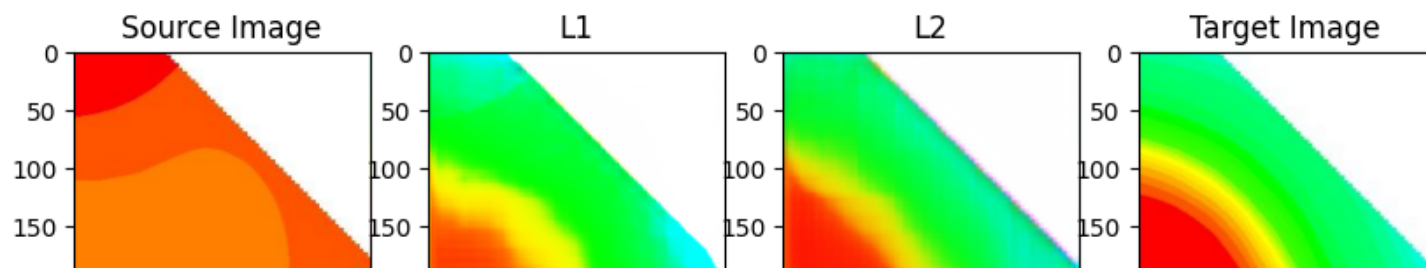
1/1 [=====] - 0s 354ms/step

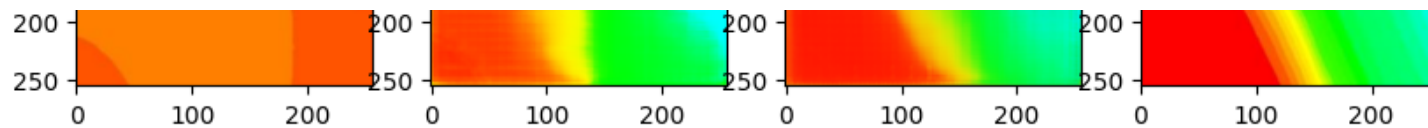


Index: 72

1/1 [=====] - 0s 356ms/step

1/1 [=====] - 0s 341ms/step

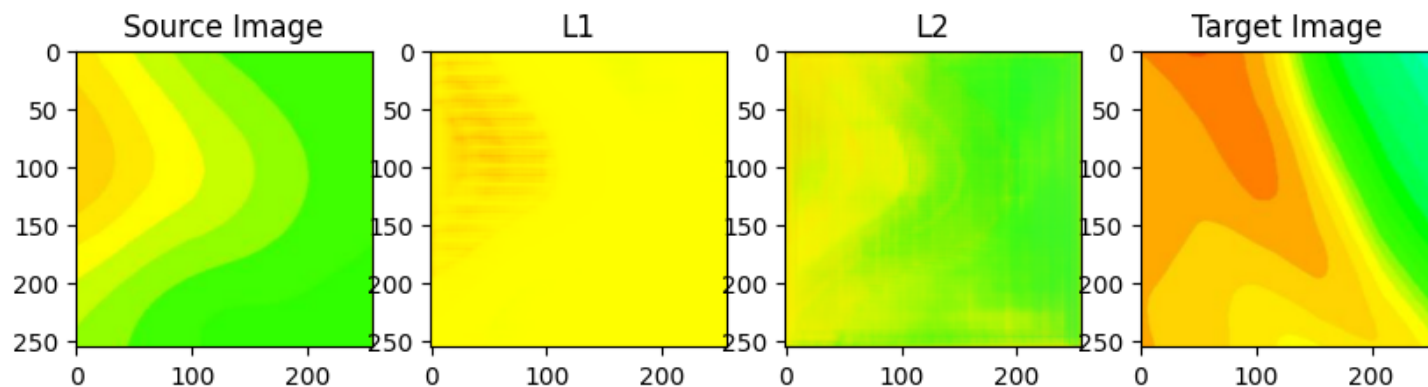




Index: 73

1/1 [=====] - 0s 341ms/step

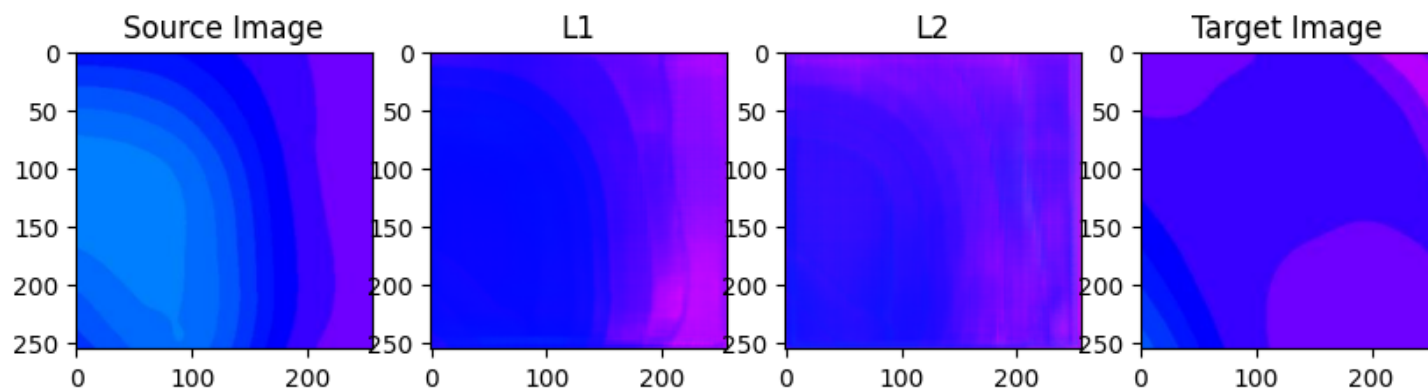
1/1 [=====] - 0s 385ms/step



Index: 74

1/1 [=====] - 0s 469ms/step

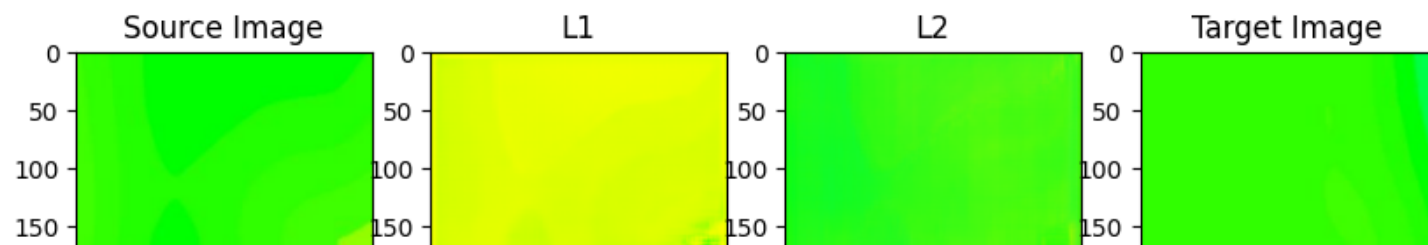
1/1 [=====] - 0s 443ms/step

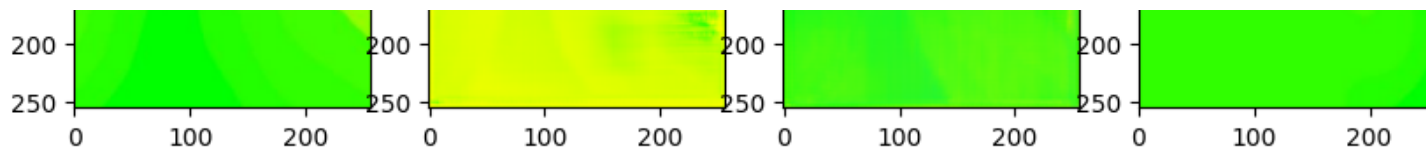


Index: 75

1/1 [=====] - 0s 343ms/step

1/1 [=====] - 0s 353ms/step

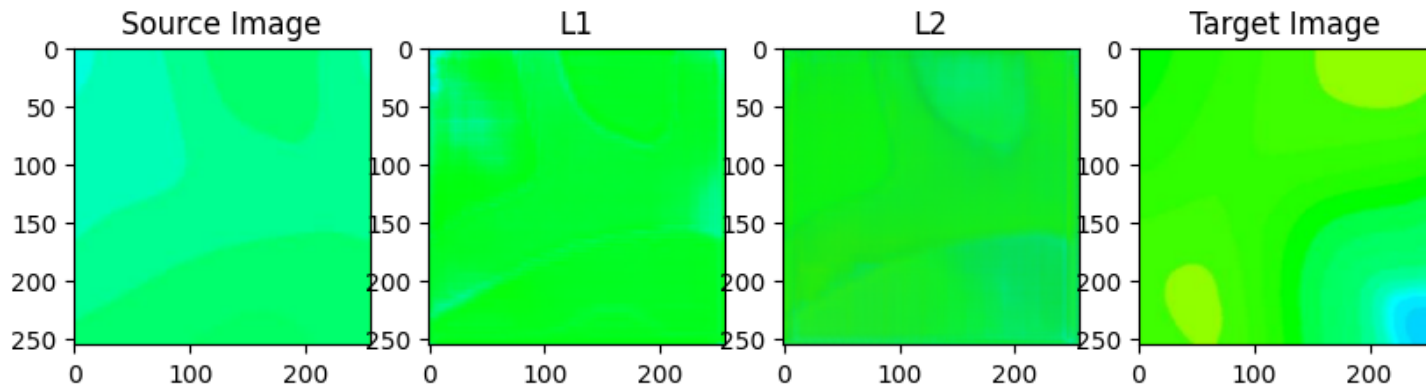




Index: 76

1/1 [=====] - 0s 338ms/step

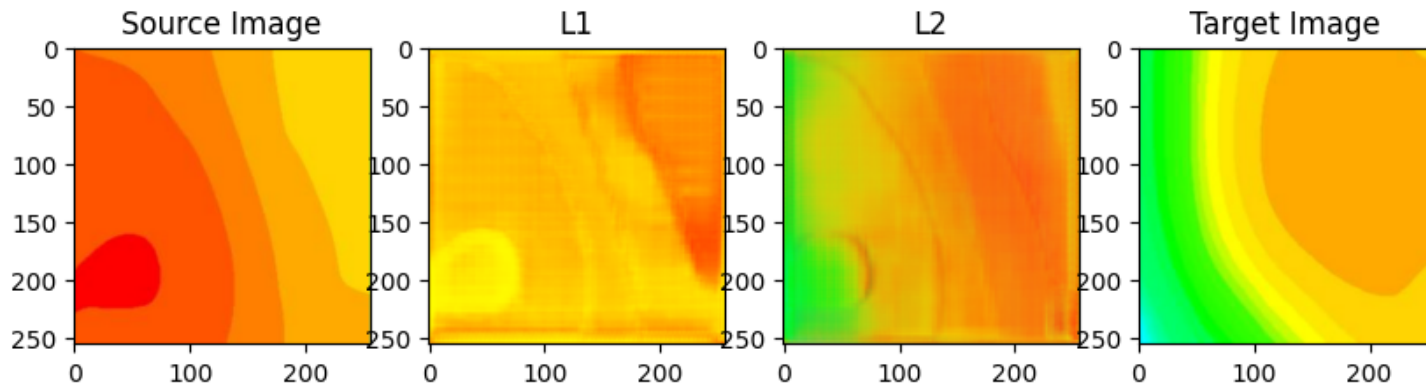
1/1 [=====] - 0s 345ms/step



Index: 77

1/1 [=====] - 0s 364ms/step

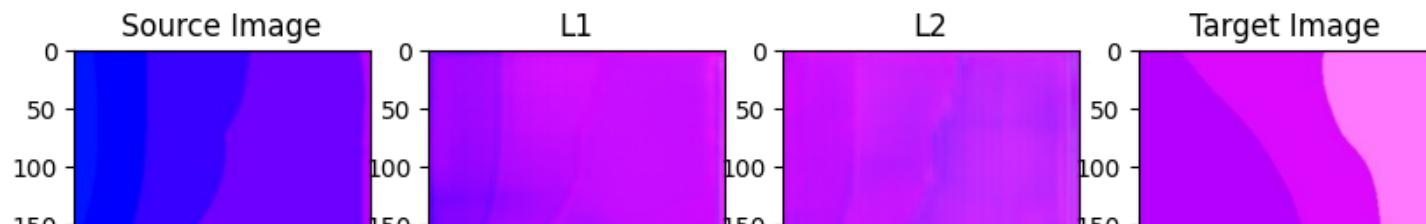
1/1 [=====] - 0s 358ms/step

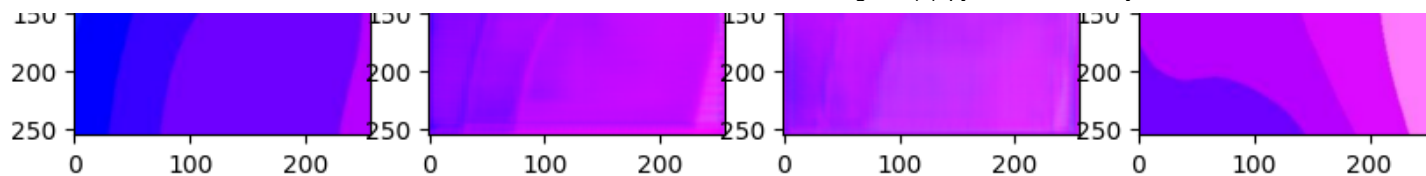


Index: 78

1/1 [=====] - 0s 357ms/step

1/1 [=====] - 0s 338ms/step

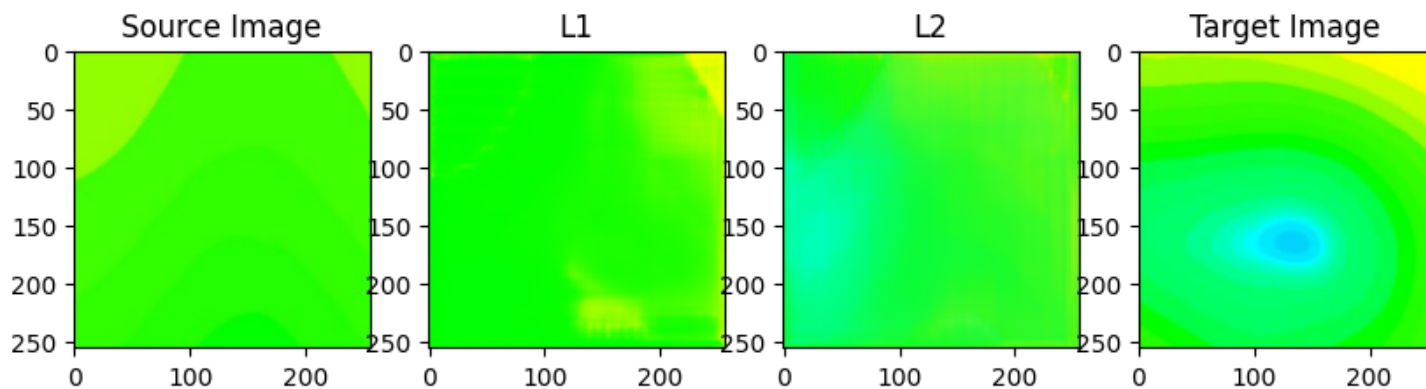




Index: 79

1/1 [=====] - 0s 365ms/step

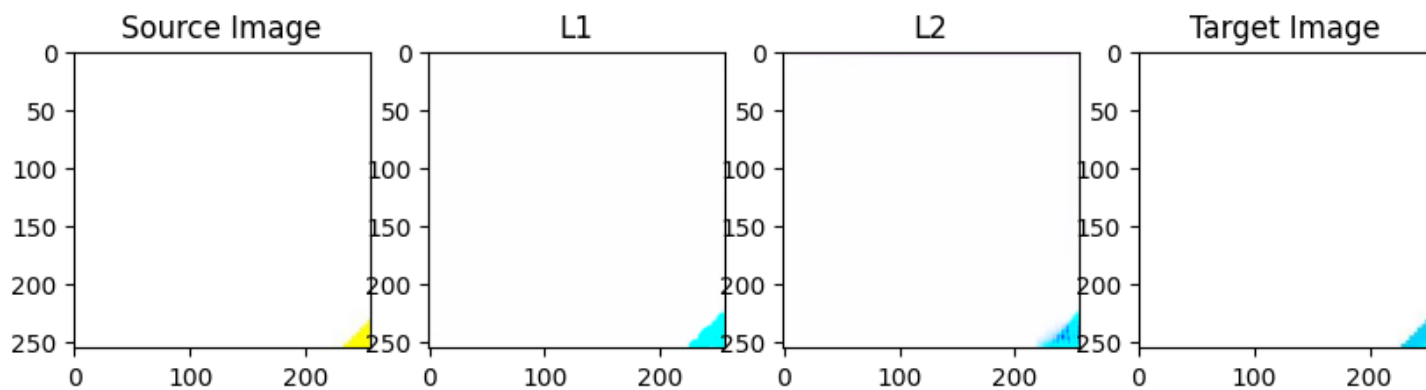
1/1 [=====] - 0s 342ms/step



Index: 80

1/1 [=====] - 0s 378ms/step

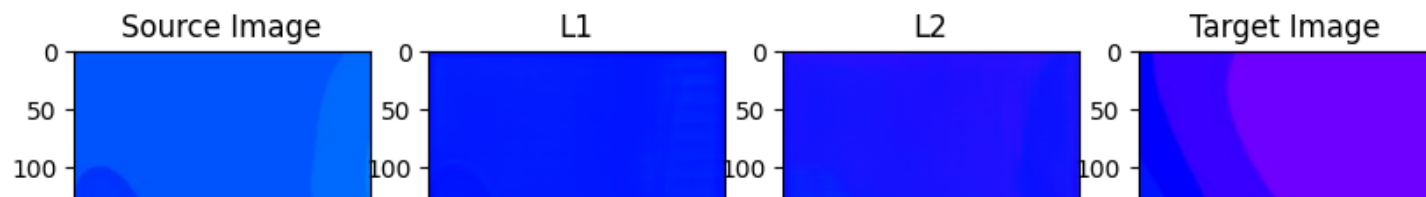
1/1 [=====] - 0s 347ms/step

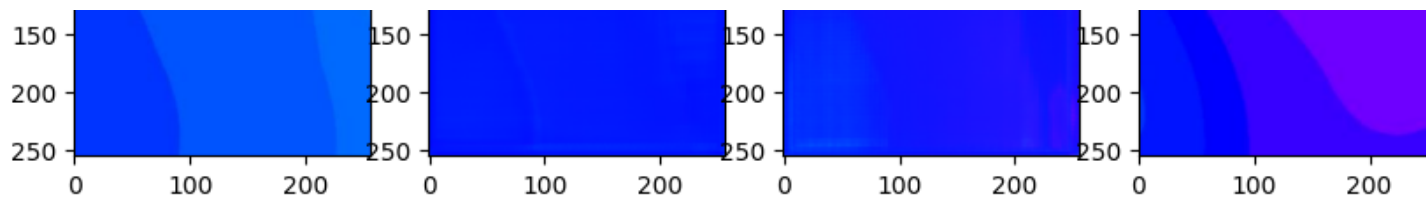


Index: 81

1/1 [=====] - 0s 341ms/step

1/1 [=====] - 0s 416ms/step

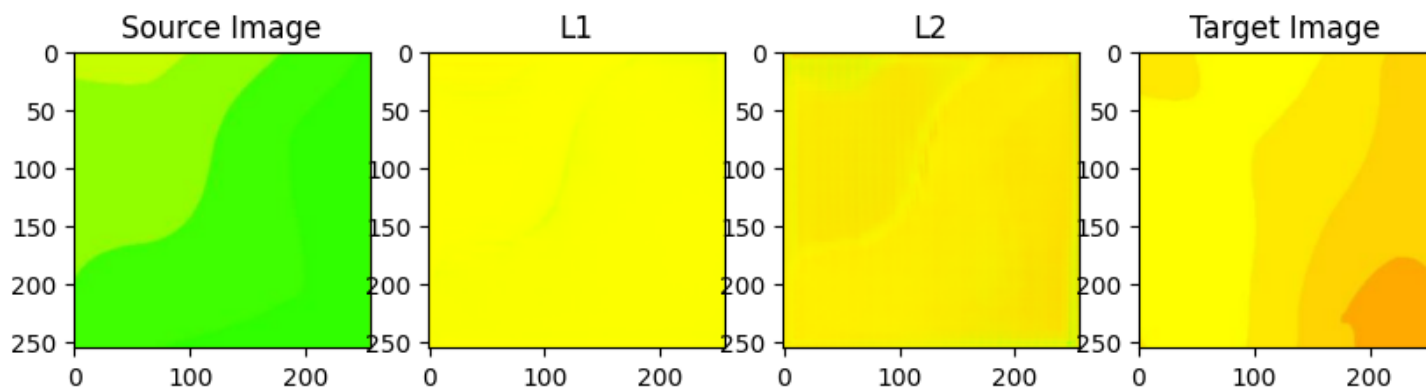




Index: 82

1/1 [=====] - 1s 520ms/step

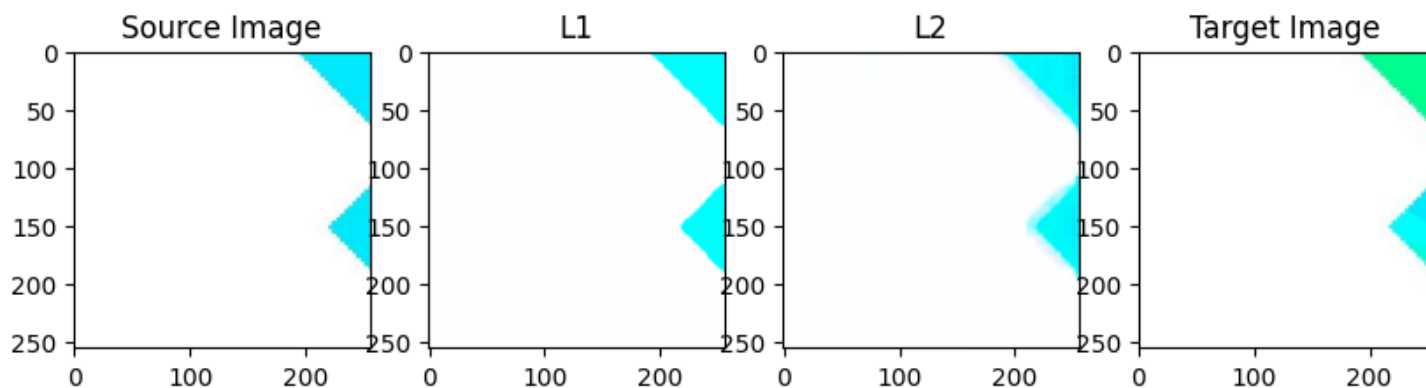
1/1 [=====] - 1s 526ms/step



Index: 83

1/1 [=====] - 0s 399ms/step

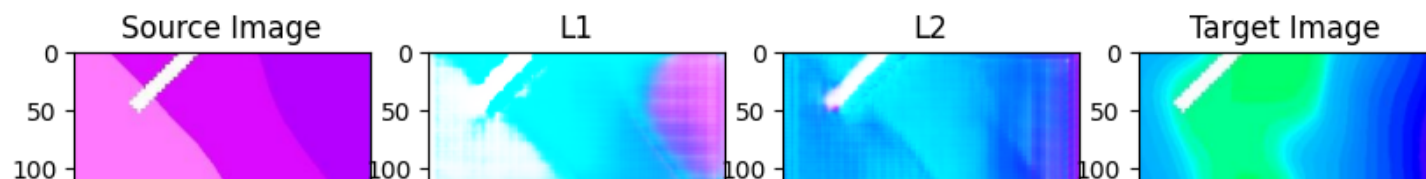
1/1 [=====] - 0s 359ms/step

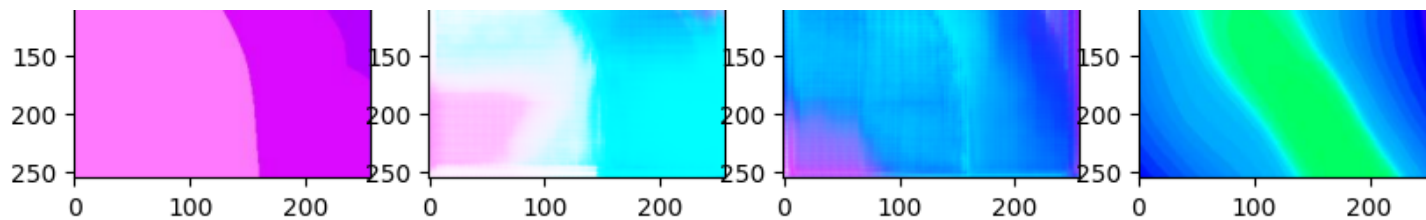


Index: 84

1/1 [=====] - 0s 364ms/step

1/1 [=====] - 0s 325ms/step

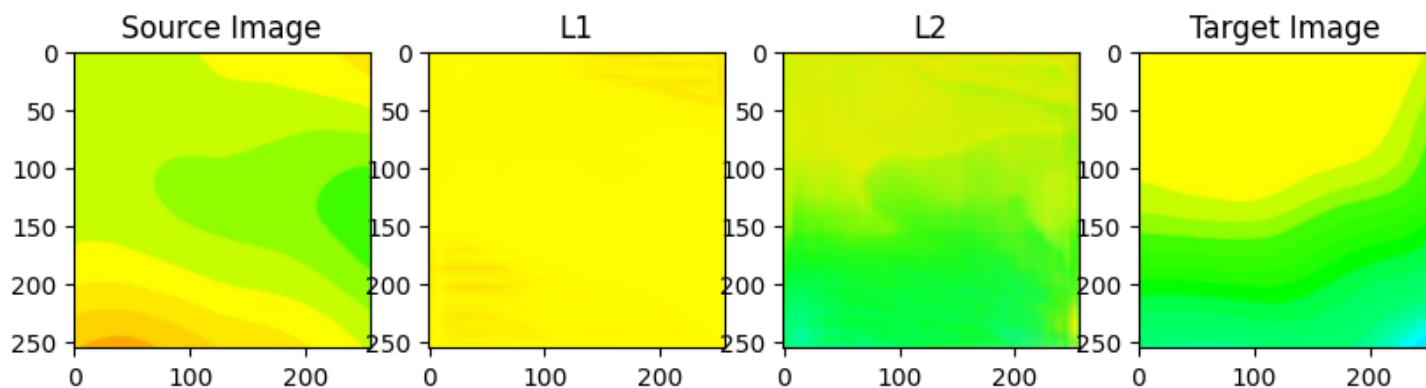




Index: 85

1/1 [=====] - 0s 400ms/step

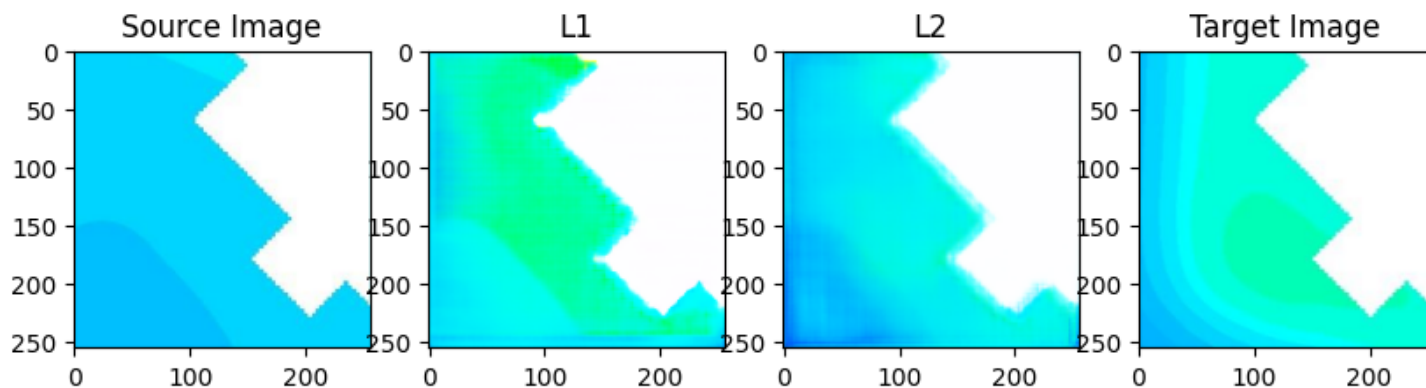
1/1 [=====] - 0s 362ms/step



Index: 86

1/1 [=====] - 0s 353ms/step

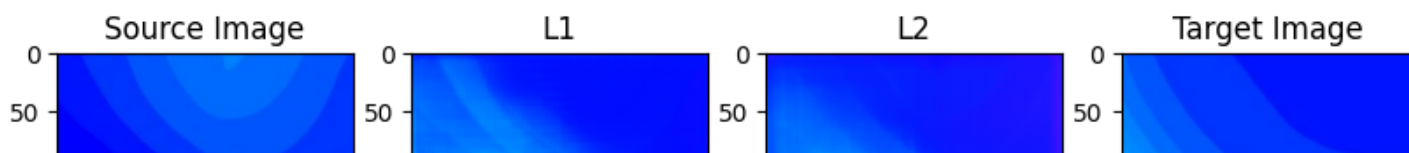
1/1 [=====] - 0s 372ms/step

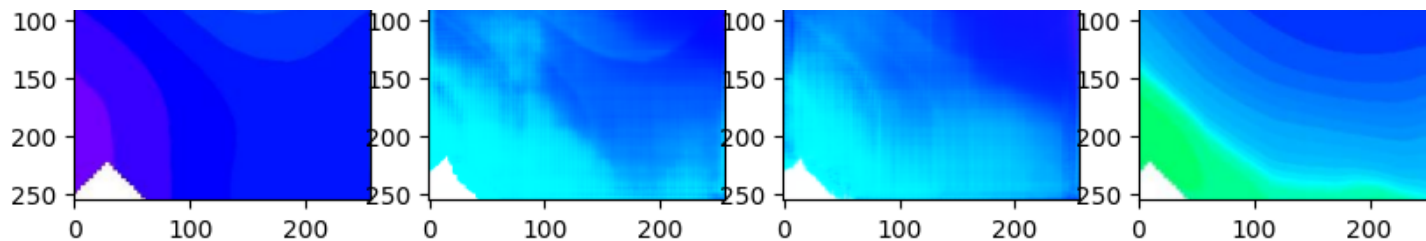


Index: 87

1/1 [=====] - 0s 417ms/step

1/1 [=====] - 0s 360ms/step

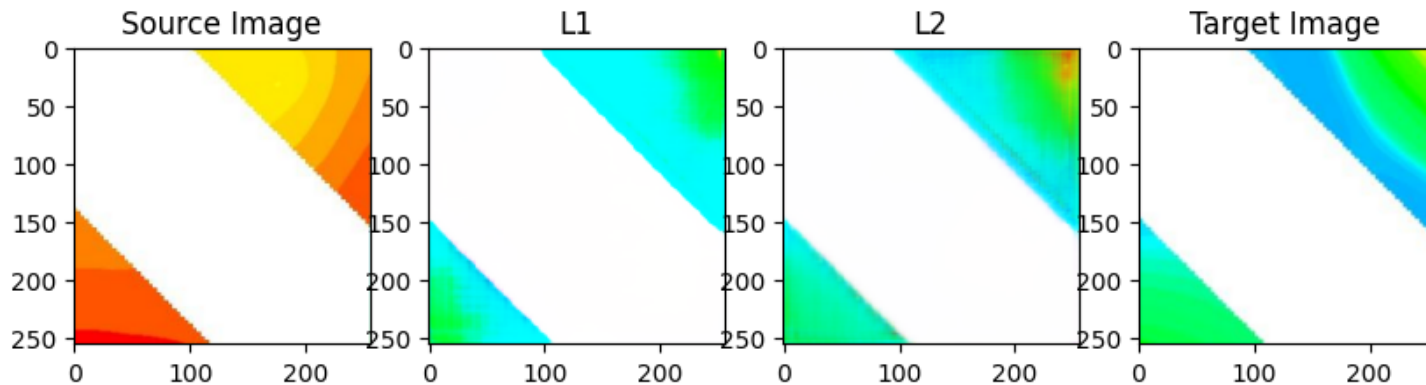




Index: 88

1/1 [=====] - 0s 379ms/step

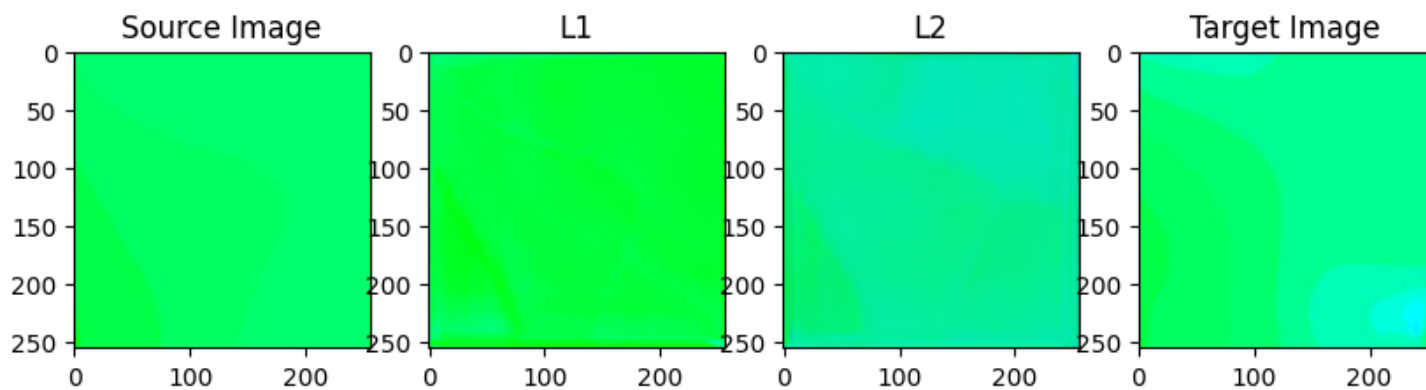
1/1 [=====] - 0s 340ms/step



Index: 89

1/1 [=====] - 0s 391ms/step

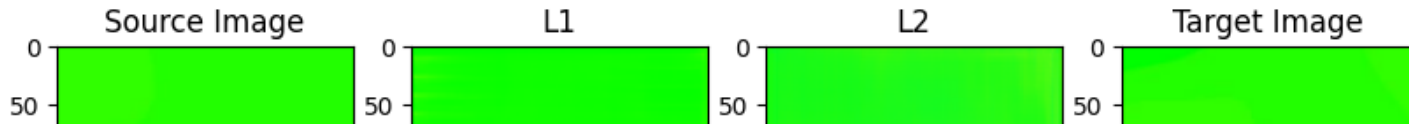
1/1 [=====] - 0s 468ms/step

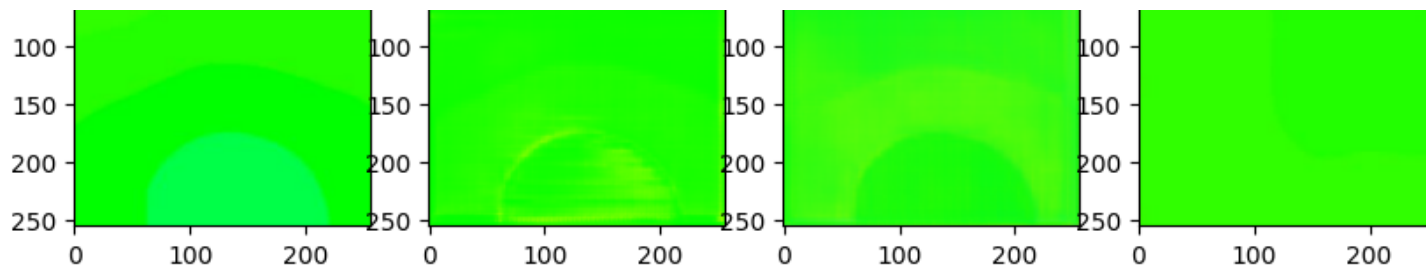


Index: 90

1/1 [=====] - 1s 603ms/step

1/1 [=====] - 0s 413ms/step

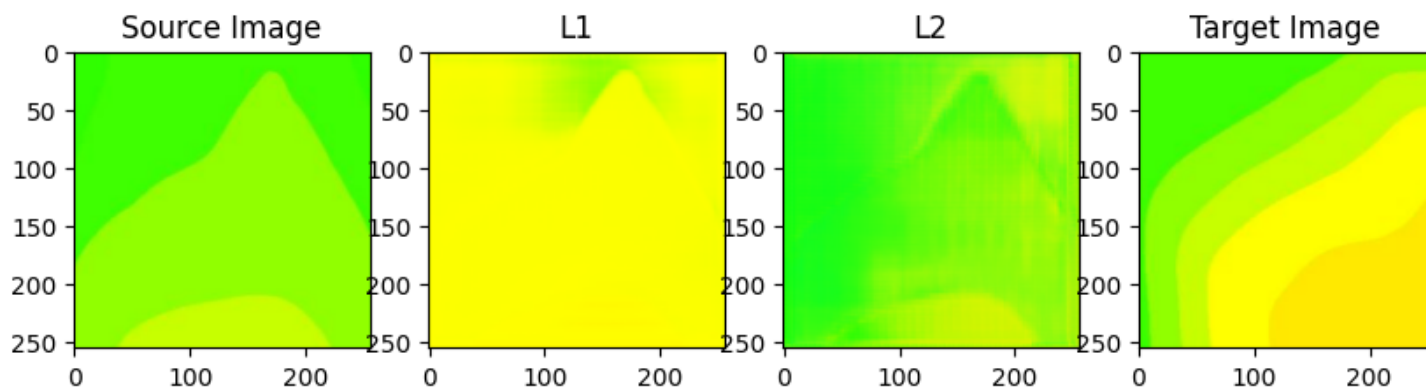




Index: 91

1/1 [=====] - 0s 376ms/step

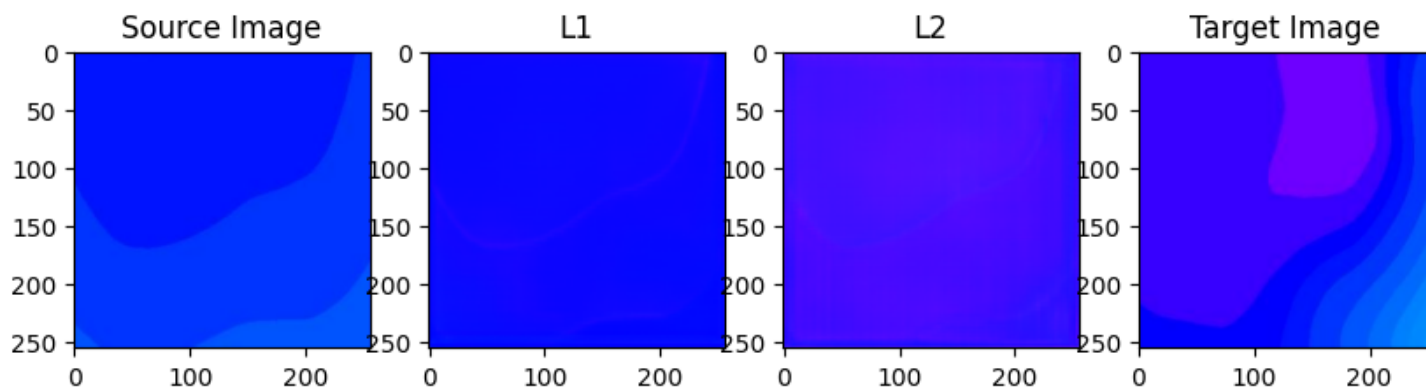
1/1 [=====] - 0s 367ms/step



Index: 92

1/1 [=====] - 0s 362ms/step

1/1 [=====] - 0s 358ms/step

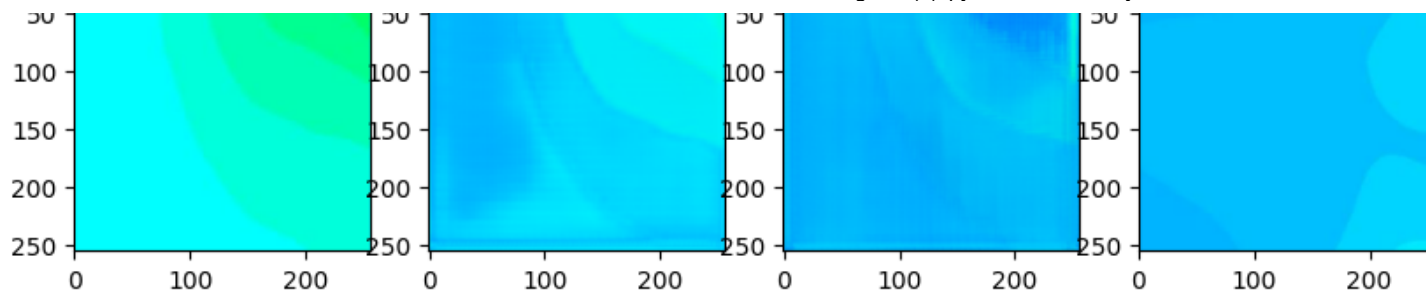


Index: 93

1/1 [=====] - 0s 392ms/step

1/1 [=====] - 0s 384ms/step

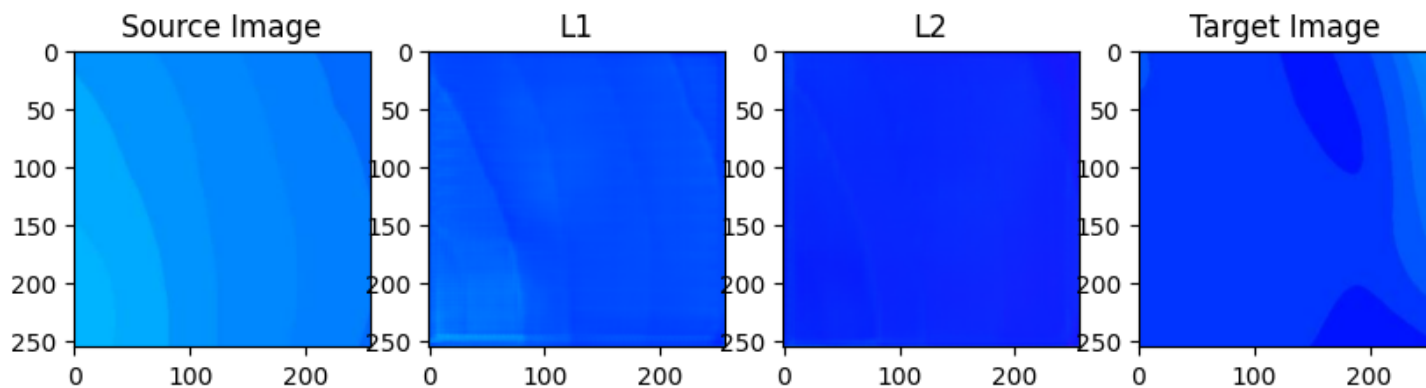




Index: 94

1/1 [=====] - 0s 374ms/step

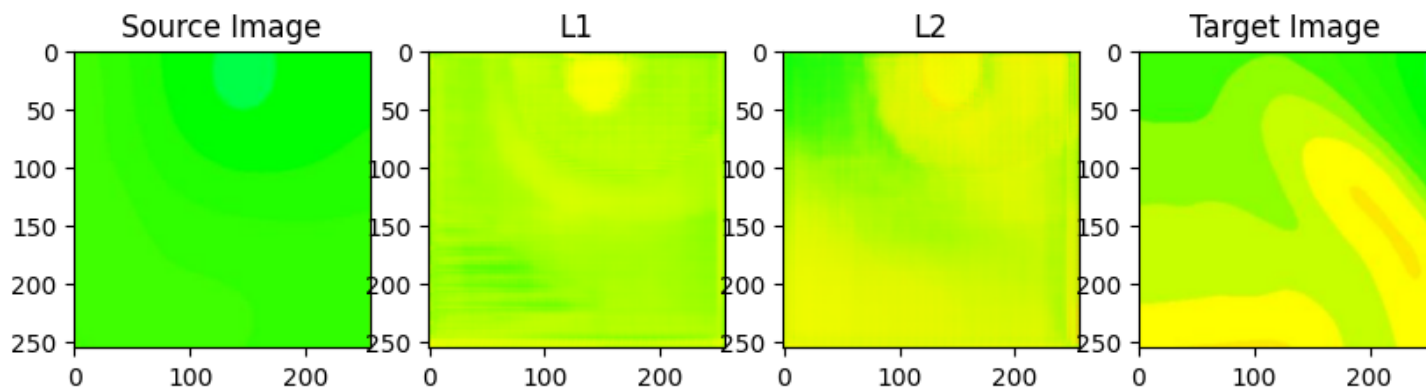
1/1 [=====] - 0s 346ms/step



Index: 95

1/1 [=====] - 0s 348ms/step

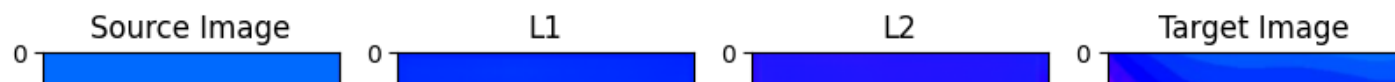
1/1 [=====] - 0s 350ms/step

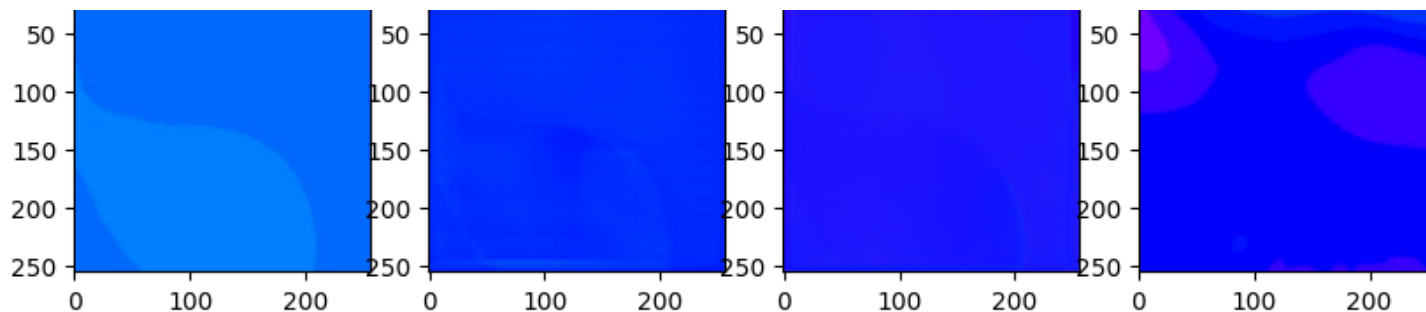


Index: 96

1/1 [=====] - 0s 346ms/step

1/1 [=====] - 0s 348ms/step

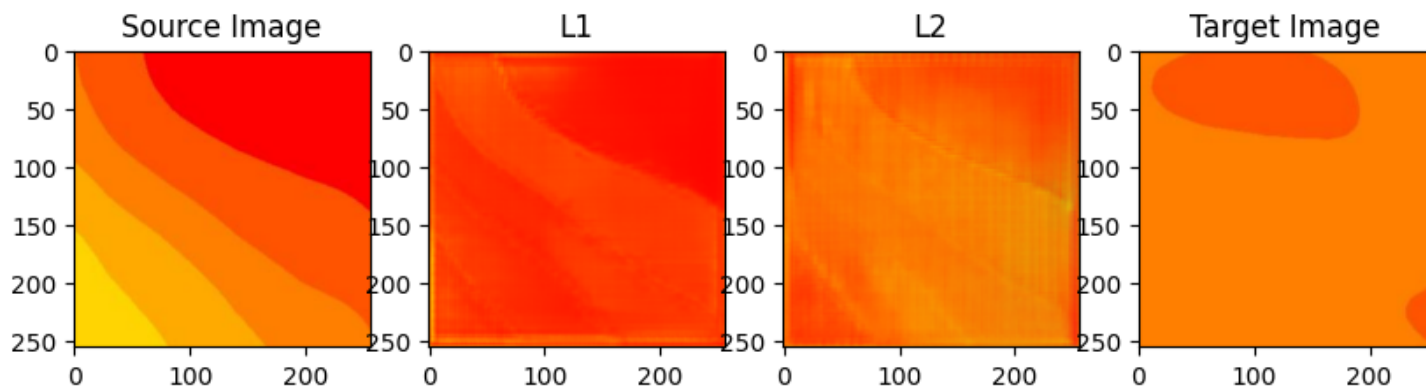




Index: 97

1/1 [=====] - 0s 472ms/step

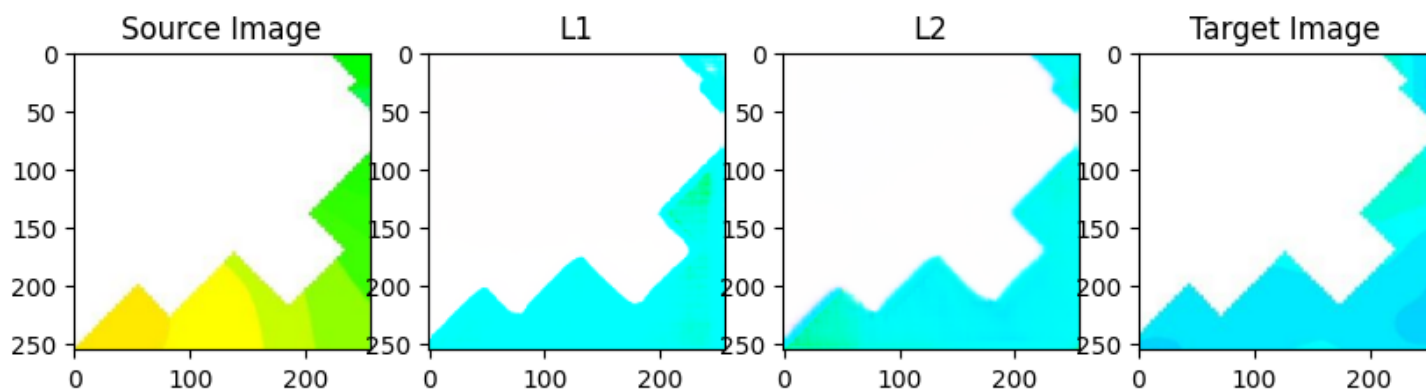
1/1 [=====] - 1s 516ms/step



Index: 98

1/1 [=====] - 0s 484ms/step

1/1 [=====] - 0s 427ms/step

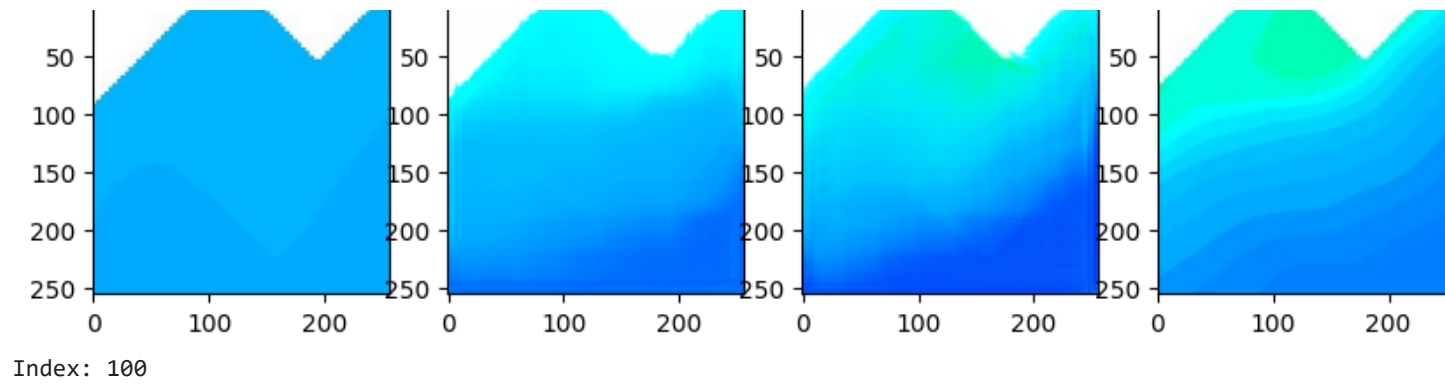


Index: 99

1/1 [=====] - 0s 387ms/step

1/1 [=====] - 0s 411ms/step






```
images_directory = "/content/drive/MyDrive/kaggle/l2learning/output_concatenated7"
```

```
from keras.models import load_model
from matplotlib import pyplot
import numpy as np
from skimage.metrics import peak_signal_noise_ratio, structural_similarity
from sklearn.metrics import accuracy_score, jaccard_score
from sklearn.metrics import confusion_matrix, accuracy_score
# Load the trained model
model = load_model('/content/drive/MyDrive/kaggle/l2learning/Giorgis_2/kaggle/working/model_109120.h5')
[X1, X2] = dataset
```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```
# Select the source image and target image based on the input index
src_image = X1[input_index]
tar_image = X2[input_index]
```