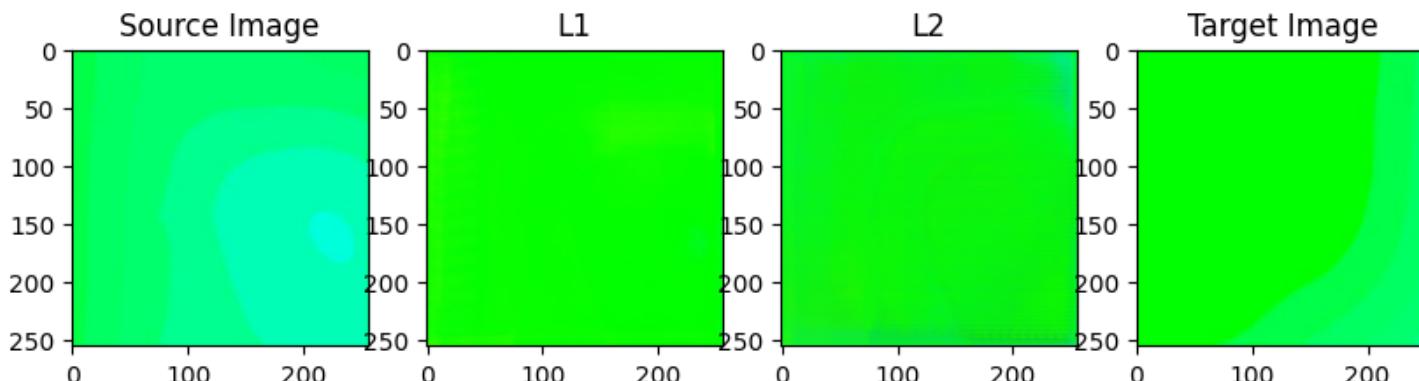


```
↳ Enter the start index number: 50
```

```
Enter the end index number: 100
```

```
1/1 [=====] - 2s 2s/step
```

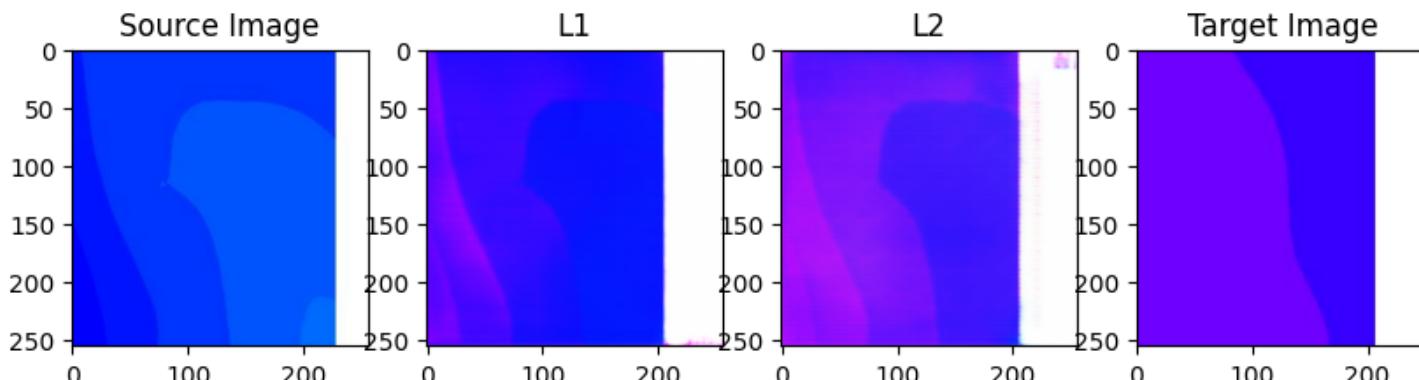
```
1/1 [=====] - 1s 628ms/step
```



```
Index: 50
```

```
1/1 [=====] - 0s 319ms/step
```

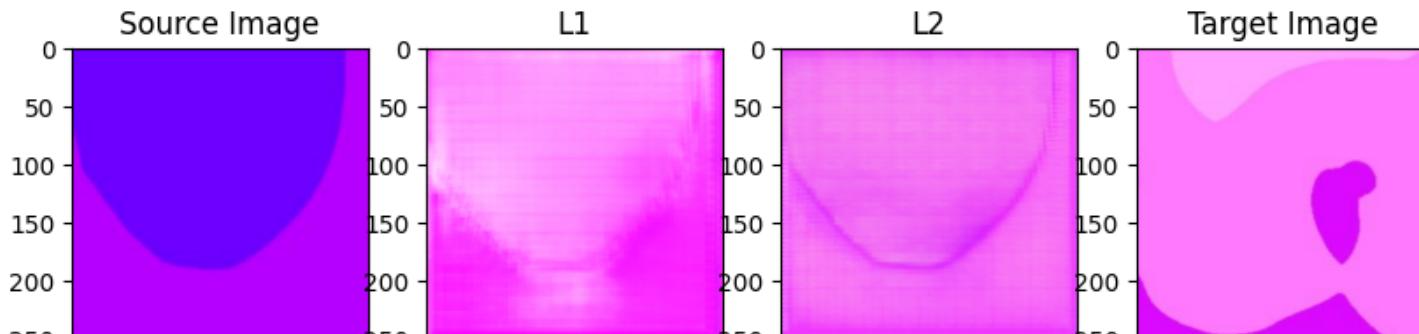
```
1/1 [=====] - 0s 323ms/step
```

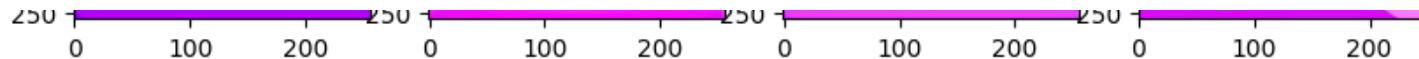


```
Index: 51
```

```
1/1 [=====] - 0s 380ms/step
```

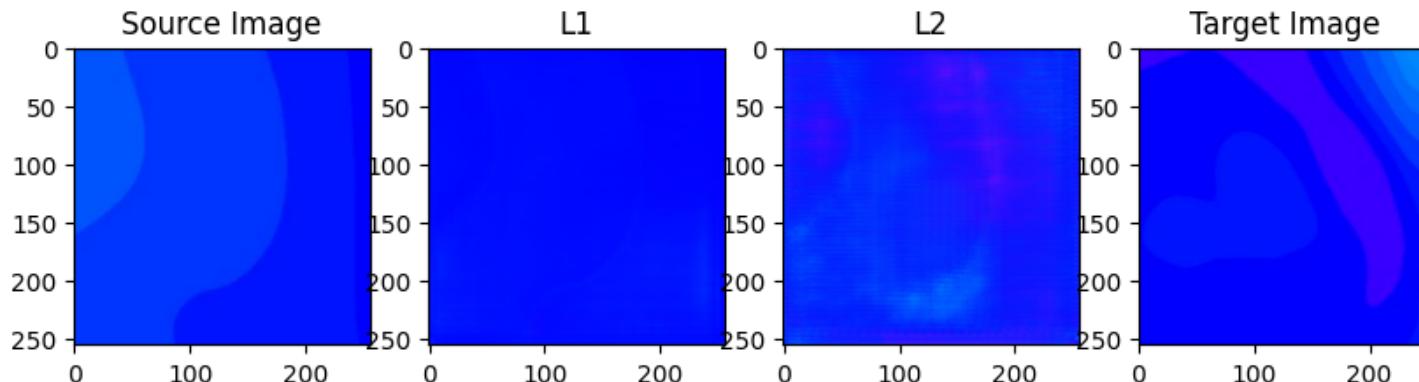
```
1/1 [=====] - 0s 344ms/step
```





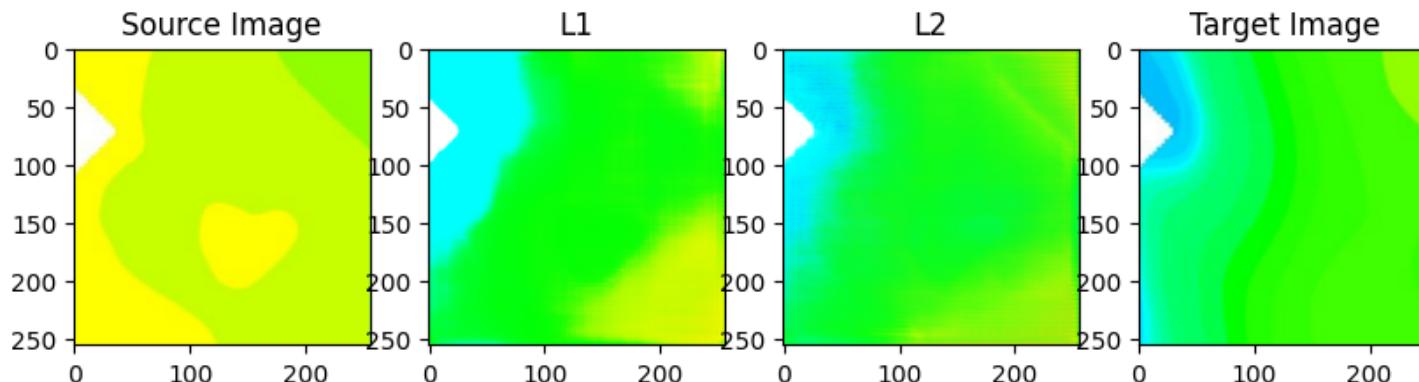
Index: 52

1/1 [=====] - 0s 321ms/step
1/1 [=====] - 0s 332ms/step



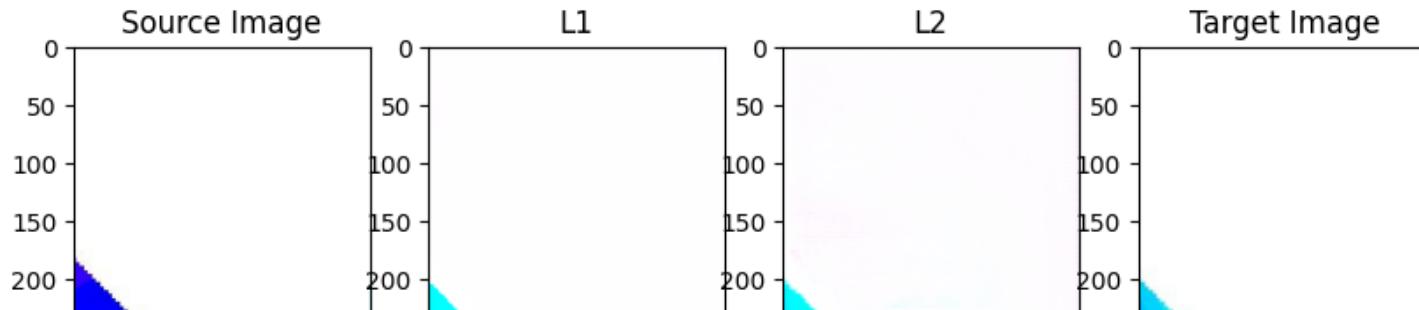
Index: 53

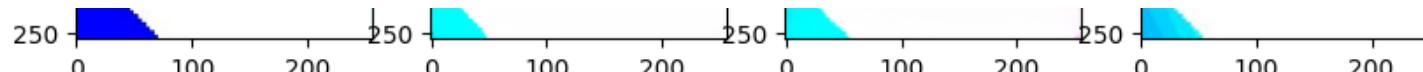
1/1 [=====] - 0s 358ms/step
1/1 [=====] - 0s 336ms/step



Index: 54

1/1 [=====] - 0s 341ms/step
1/1 [=====] - 0s 336ms/step

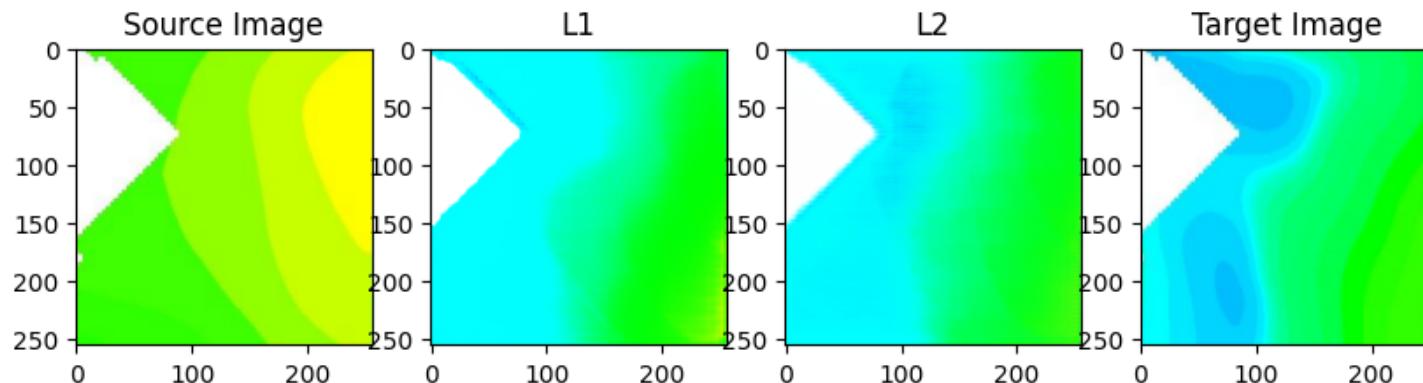




Index: 55

1/1 [=====] - 0s 371ms/step

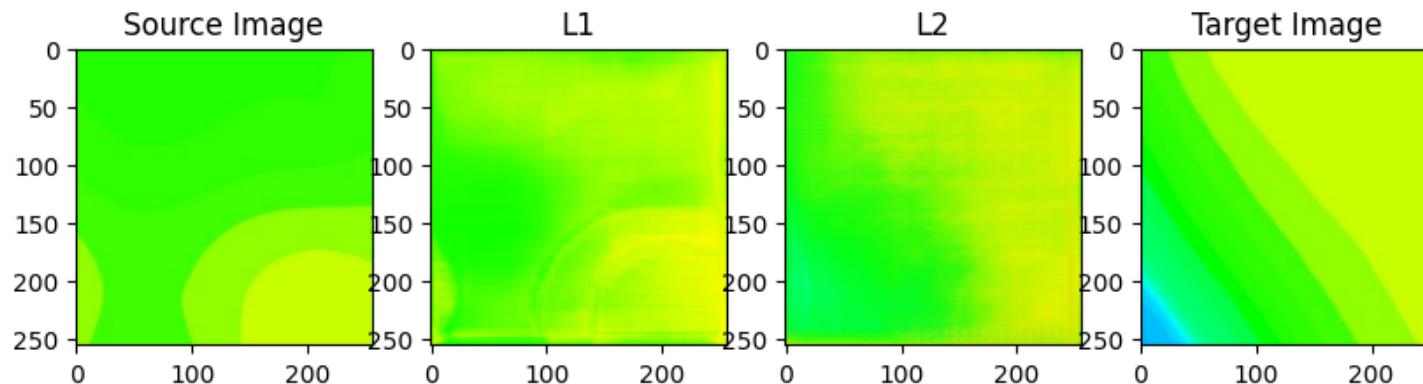
1/1 [=====] - 0s 336ms/step



Index: 56

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

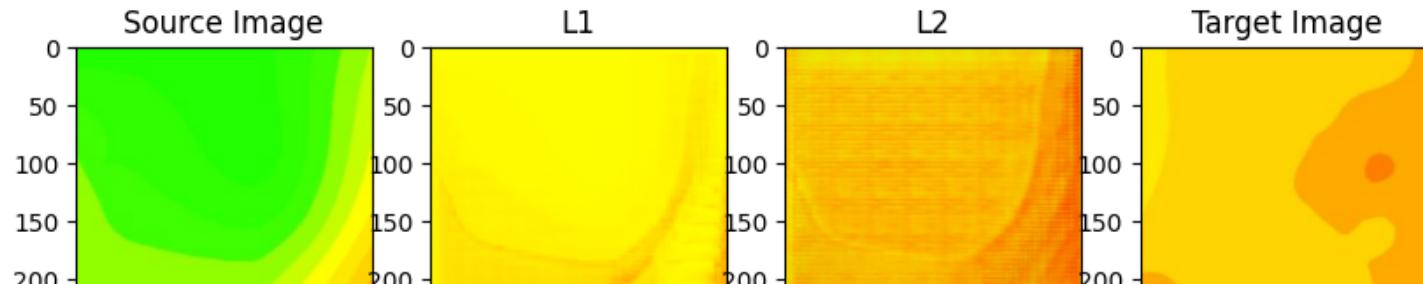
1/1 [=====] - 0s 467ms/step

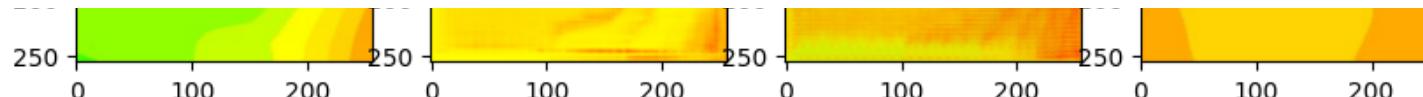


Index: 57

1/1 [=====] - 0s 488ms/step

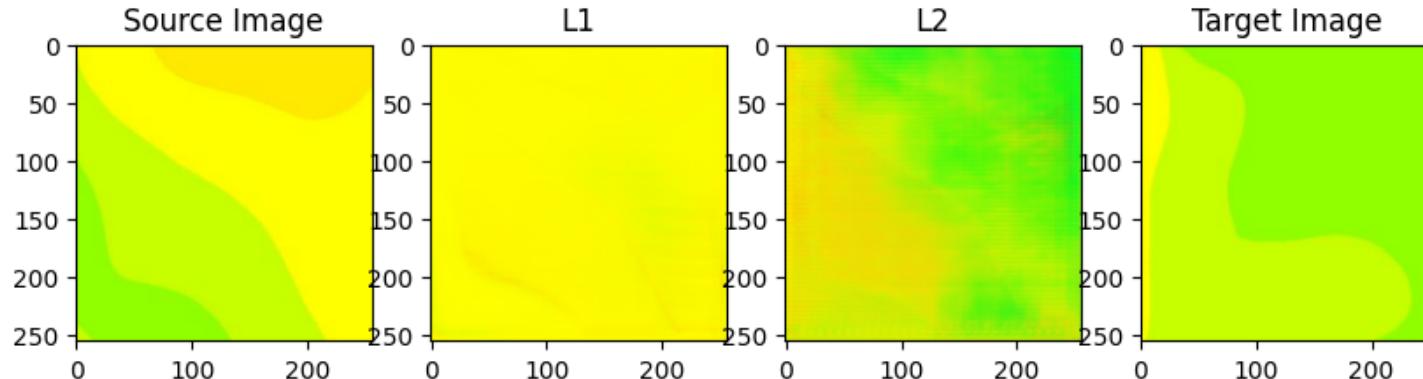
1/1 [=====] - 0s 370ms/step





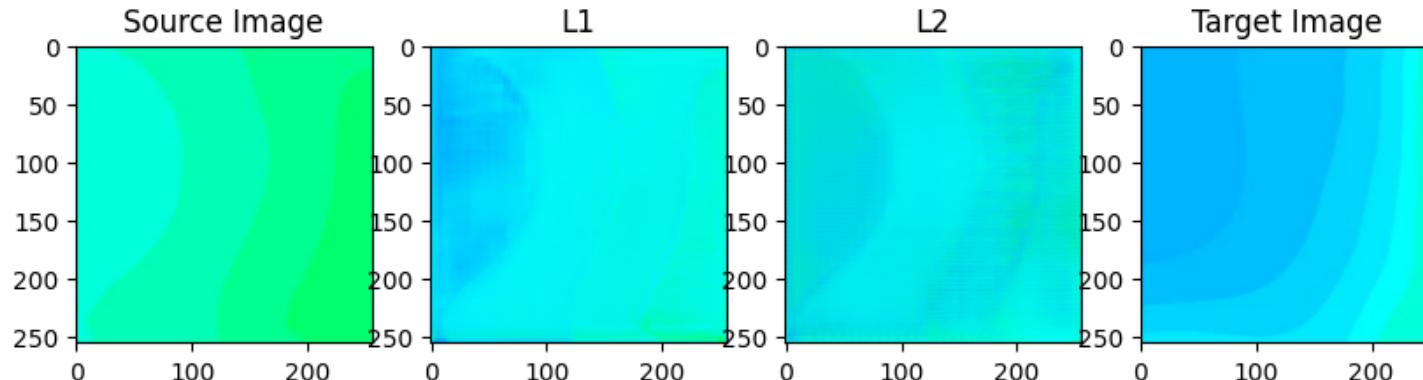
Index: 58

```
1/1 [=====] - 0s 332ms/step  
1/1 [=====] - 0s 315ms/step
```



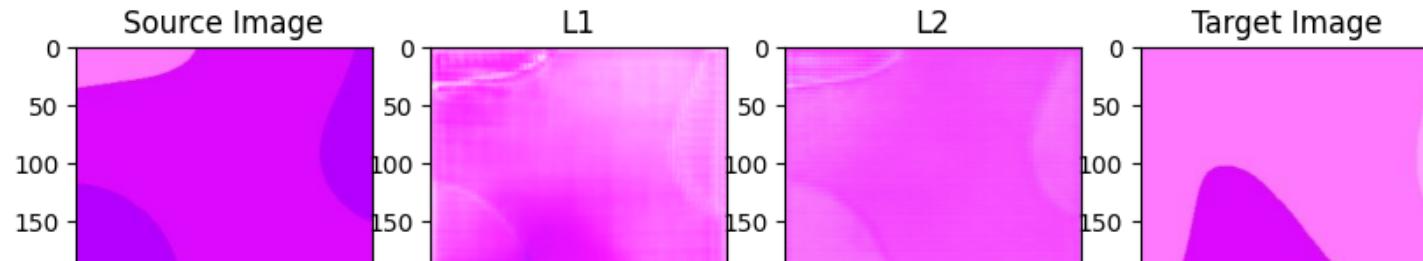
Index: 59

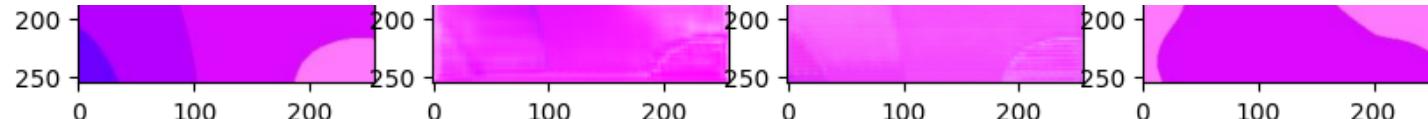
```
1/1 [=====] - 0s 351ms/step  
1/1 [=====] - 0s 314ms/step
```



Index: 60

```
1/1 [=====] - 0s 336ms/step  
1/1 [=====] - 0s 338ms/step
```

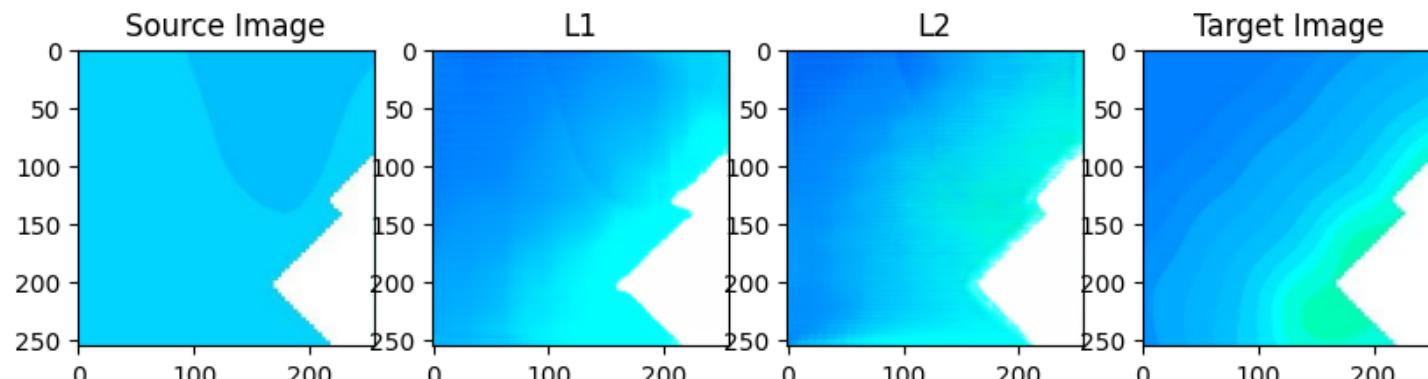




Index: 61

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

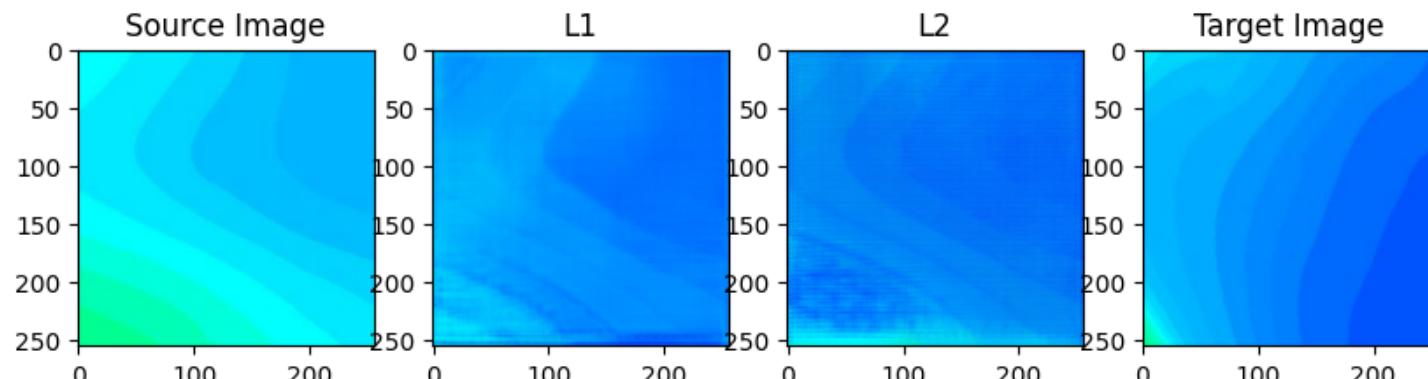
1/1 [=====] - 0s 336ms/step



Index: 62

1/1 [=====] - 0s 330ms/step

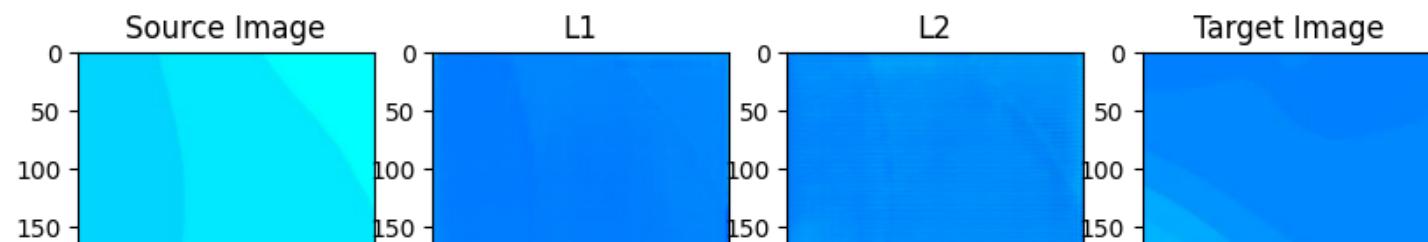
1/1 [=====] - 0s 338ms/step

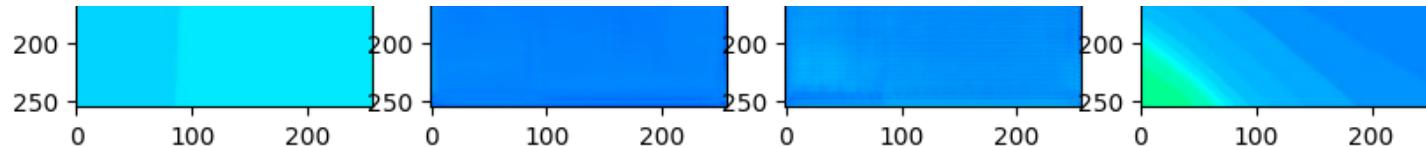


Index: 63

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

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

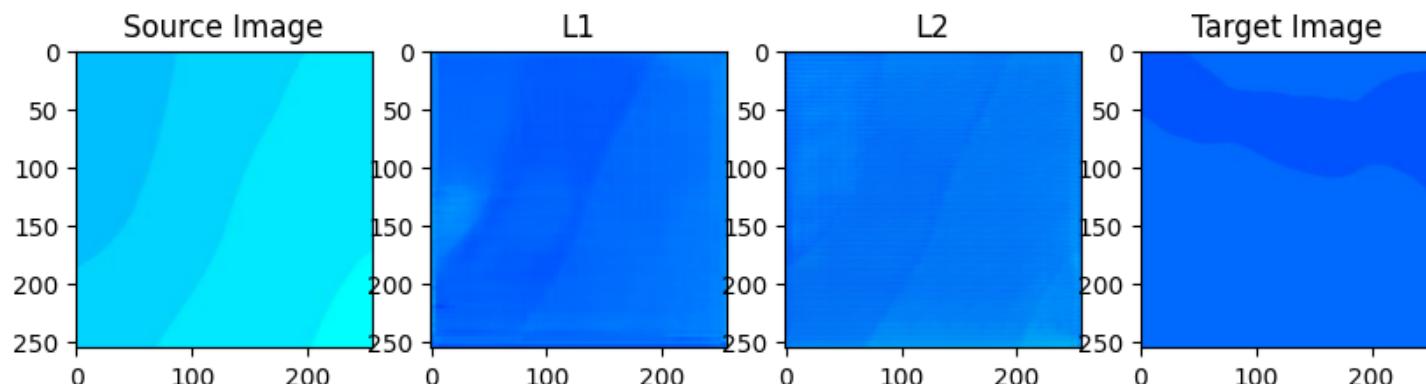




Index: 64

1/1 [=====] - 0s 491ms/step

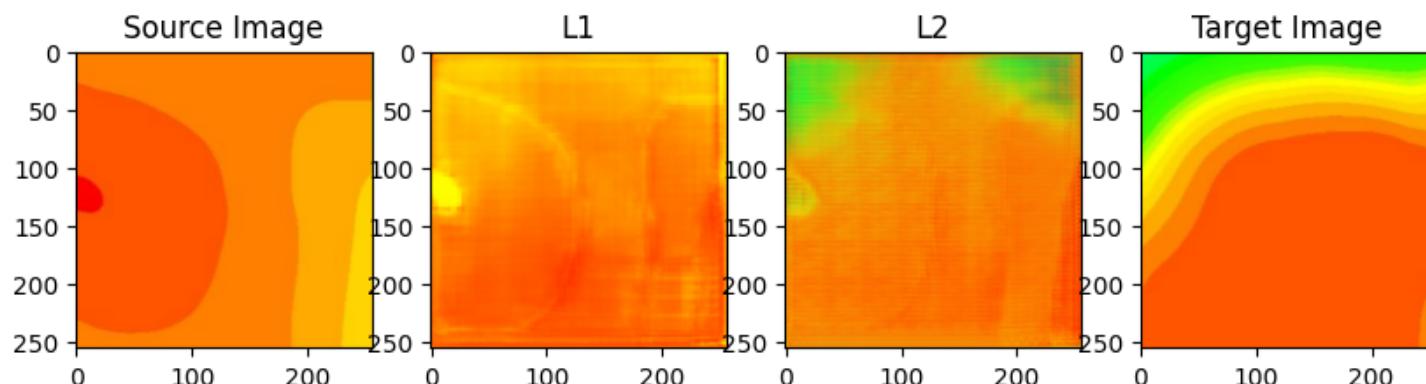
1/1 [=====] - 1s 524ms/step



Index: 65

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

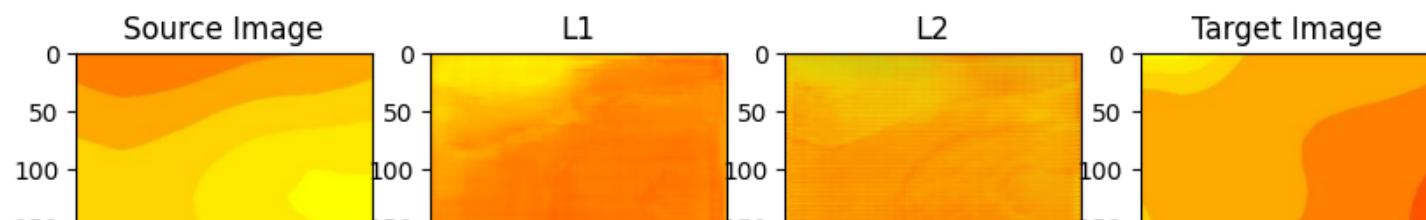
1/1 [=====] - 0s 338ms/step

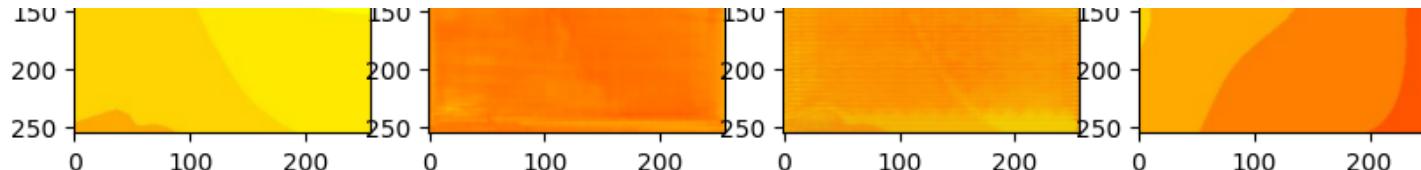


Index: 66

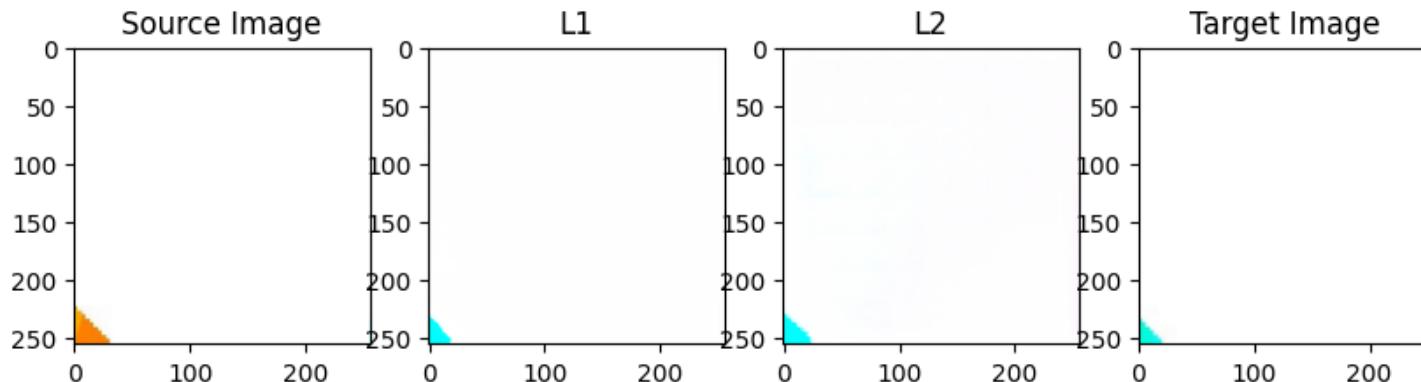
1/1 [=====] - 0s 366ms/step

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

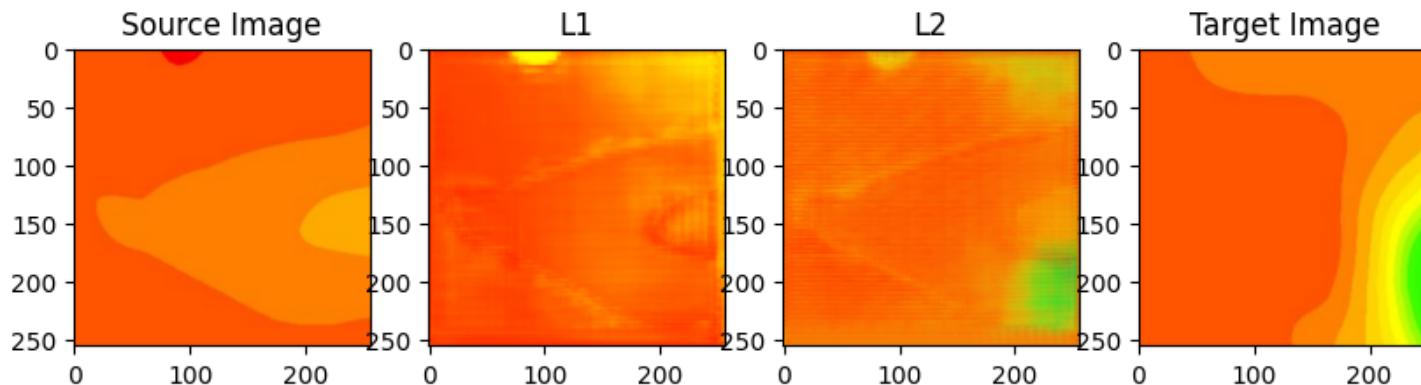




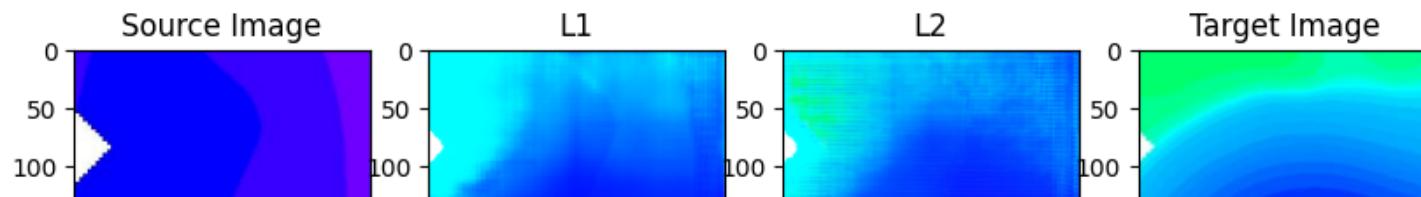
Index: 67

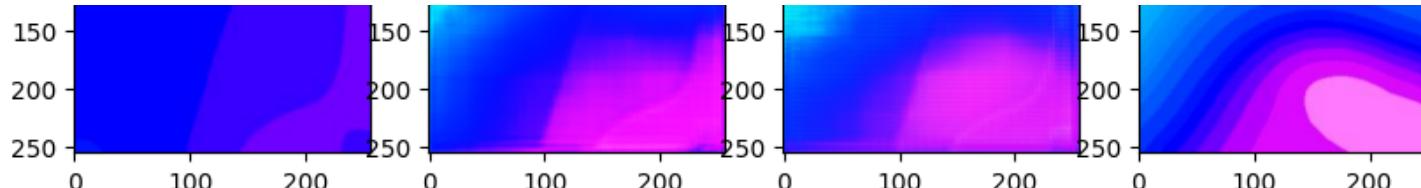
1/1 [=====] - 0s 377ms/step
1/1 [=====] - 0s 344ms/step

Index: 68

1/1 [=====] - 0s 368ms/step
1/1 [=====] - 0s 360ms/step

Index: 69

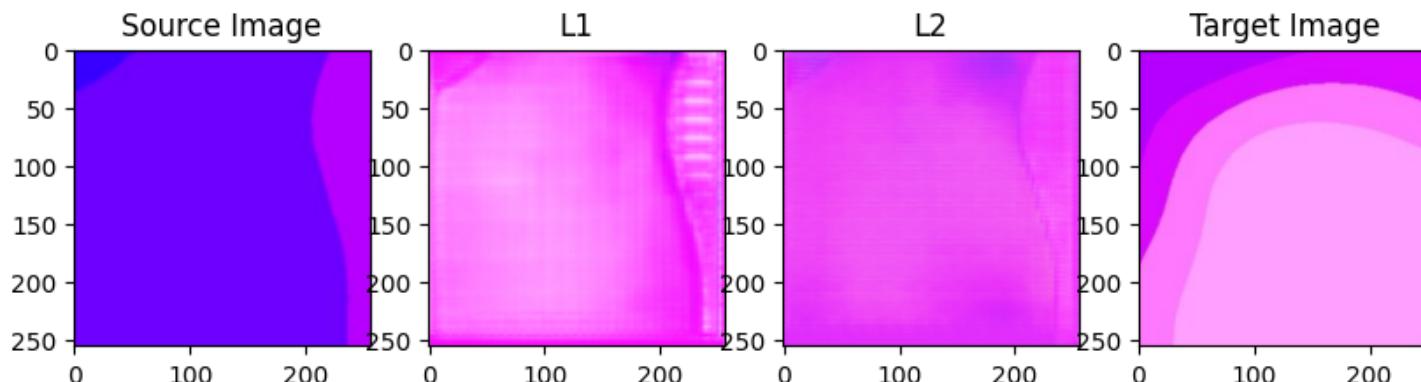
1/1 [=====] - 0s 345ms/step
1/1 [=====] - 0s 320ms/step



Index: 70

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

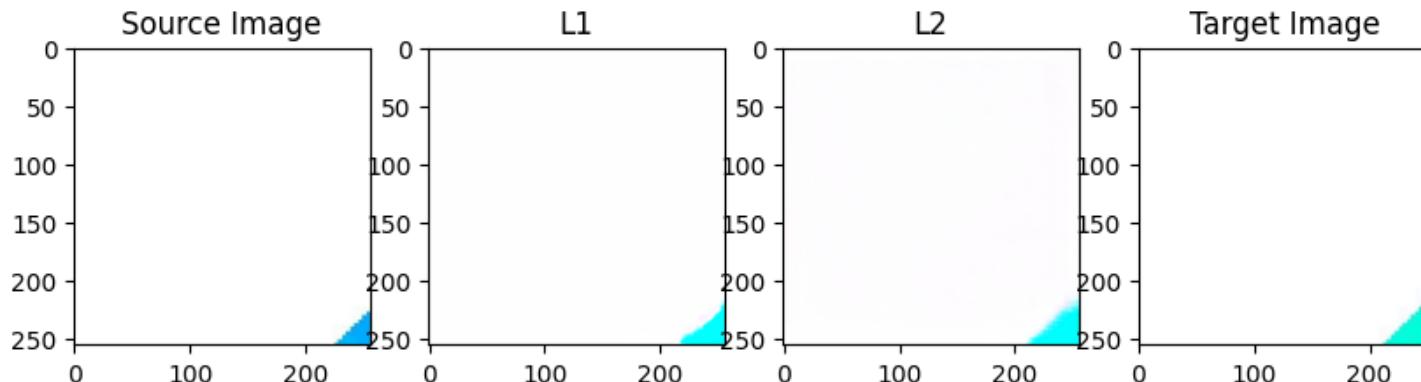
1/1 [=====] - 0s 329ms/step



Index: 71

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

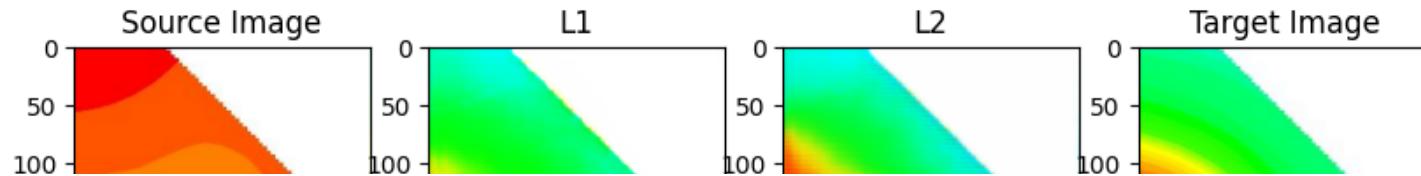
1/1 [=====] - 0s 357ms/step

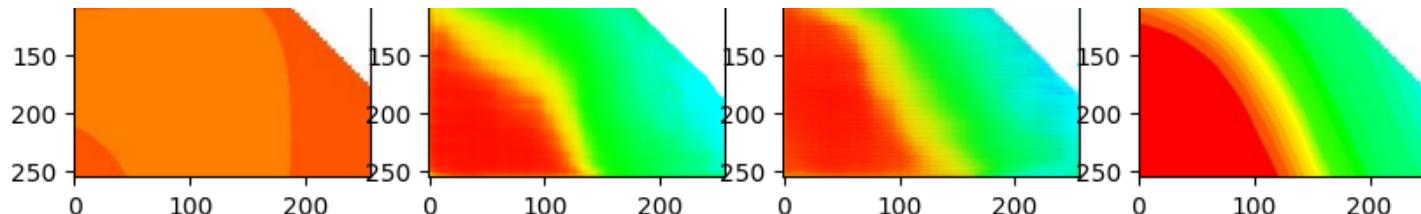


Index: 72

1/1 [=====] - 0s 491ms/step

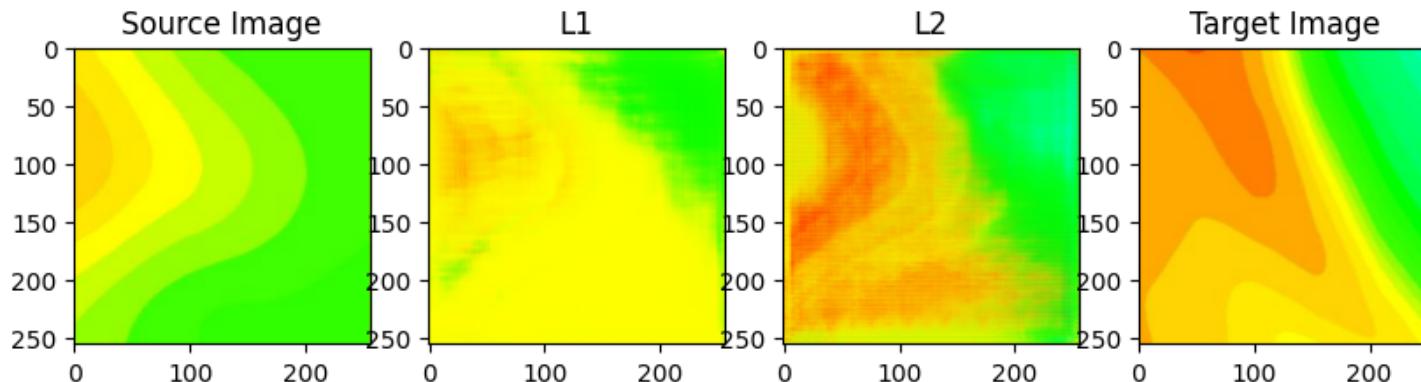
1/1 [=====] - 0s 481ms/step





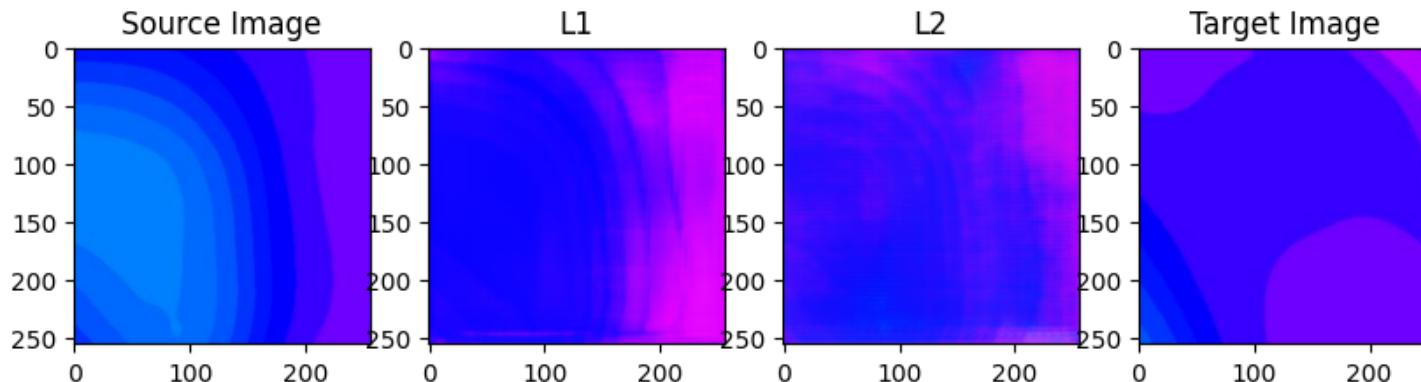
Index: 73

```
1/1 [=====] - 0s 332ms/step  
1/1 [=====] - 0s 349ms/step
```



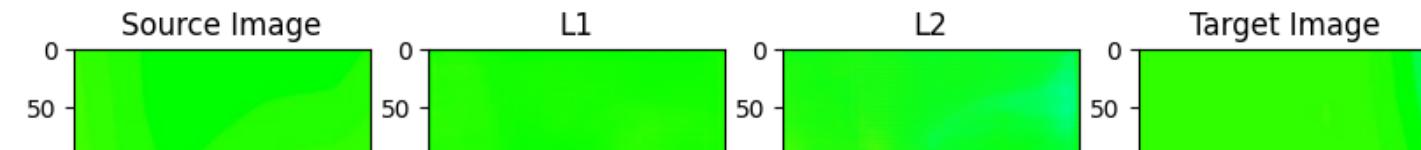
Index: 74

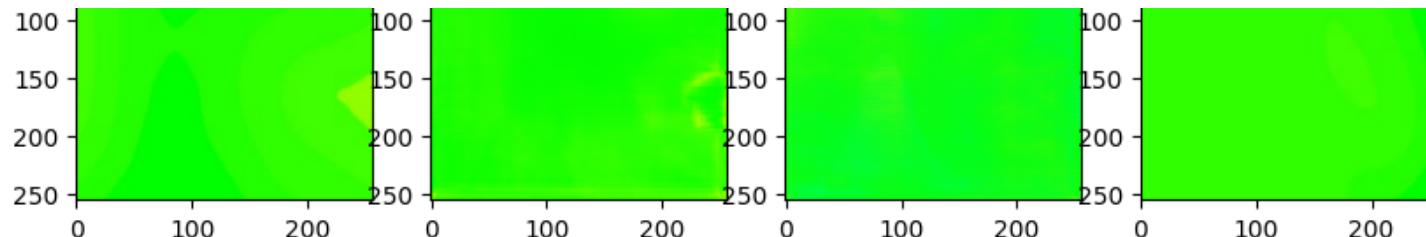
```
1/1 [=====] - 0s 401ms/step  
1/1 [=====] - 0s 359ms/step
```



Index: 75

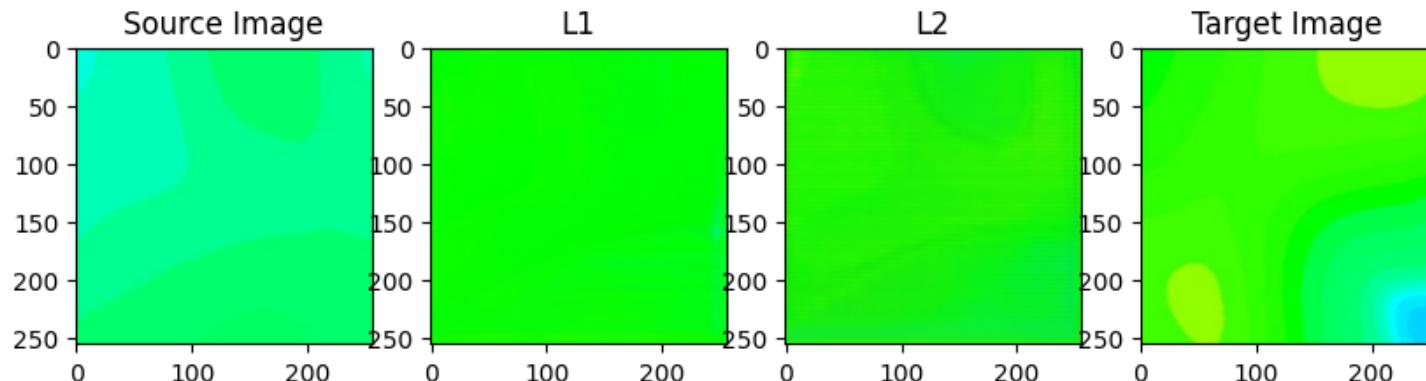
```
1/1 [=====] - 0s 346ms/step  
1/1 [=====] - 0s 371ms/step
```





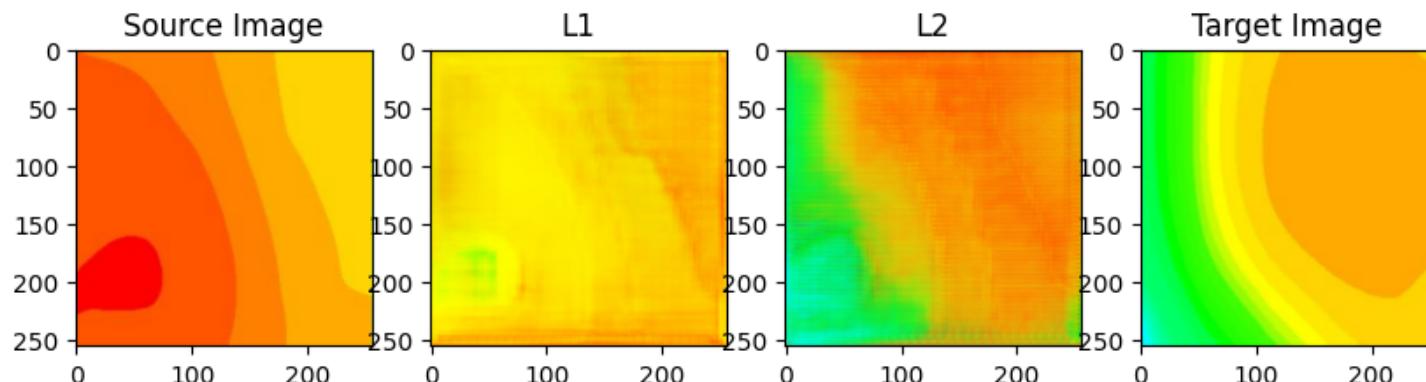
Index: 76

```
1/1 [=====] - 0s 342ms/step  
1/1 [=====] - 0s 340ms/step
```



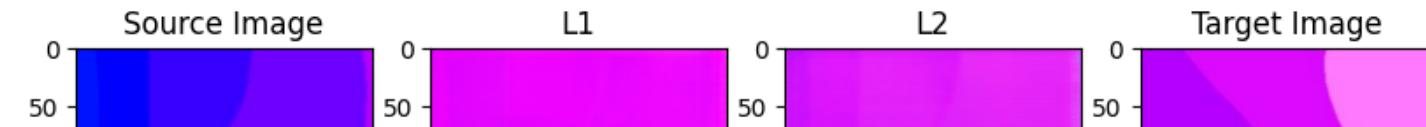
Index: 77

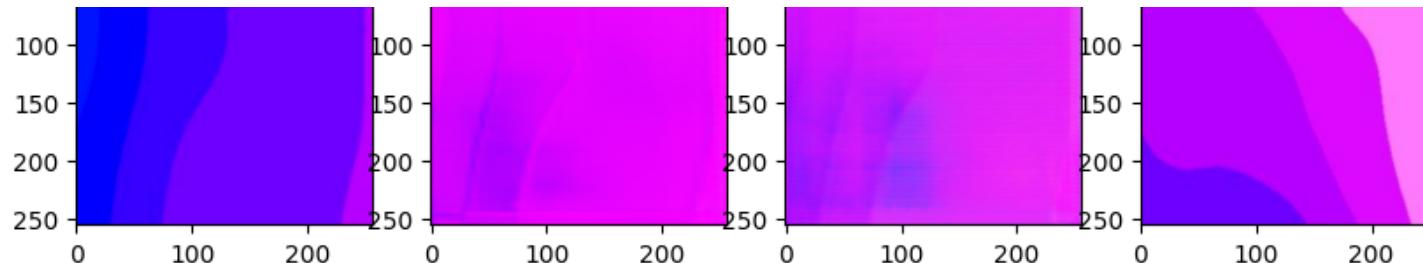
```
1/1 [=====] - 0s 381ms/step  
1/1 [=====] - 0s 350ms/step
```



Index: 78

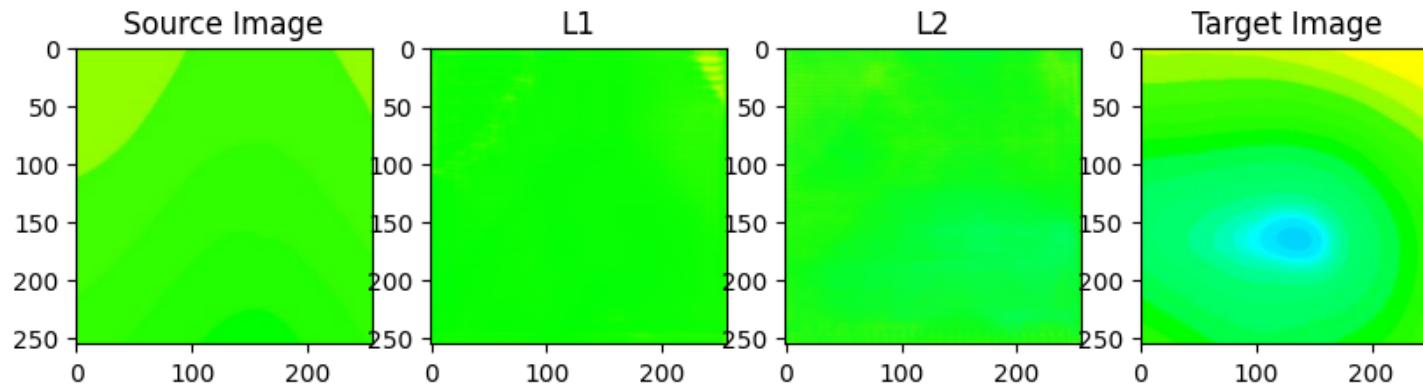
```
1/1 [=====] - 0s 366ms/step  
1/1 [=====] - 0s 361ms/step
```





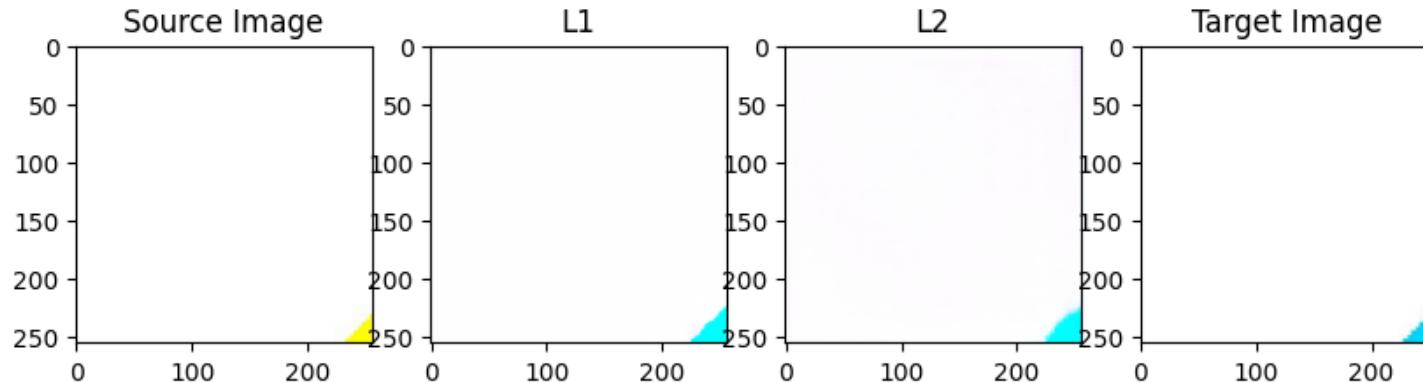
Index: 79

```
1/1 [=====] - 0s 365ms/step  
1/1 [=====] - 0s 464ms/step
```



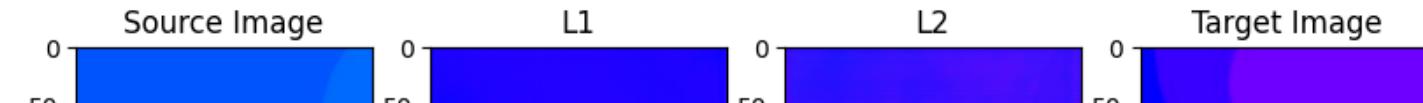
Index: 80

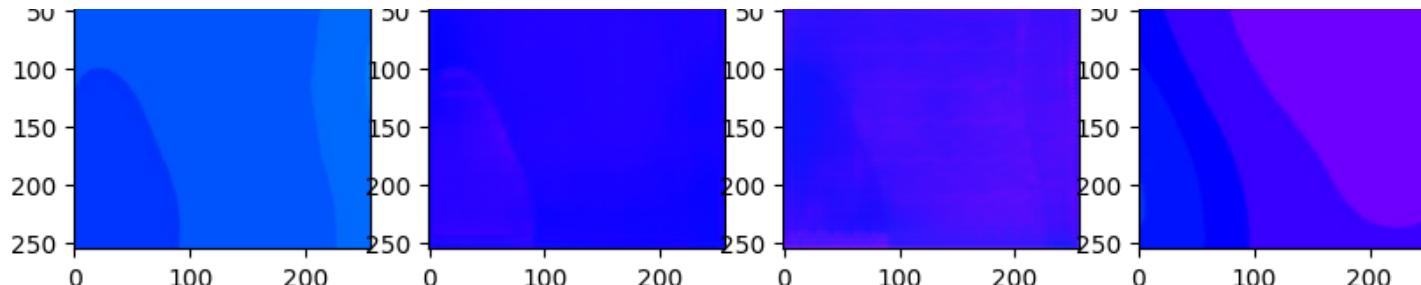
```
1/1 [=====] - 1s 522ms/step  
1/1 [=====] - 0s 473ms/step
```



Index: 81

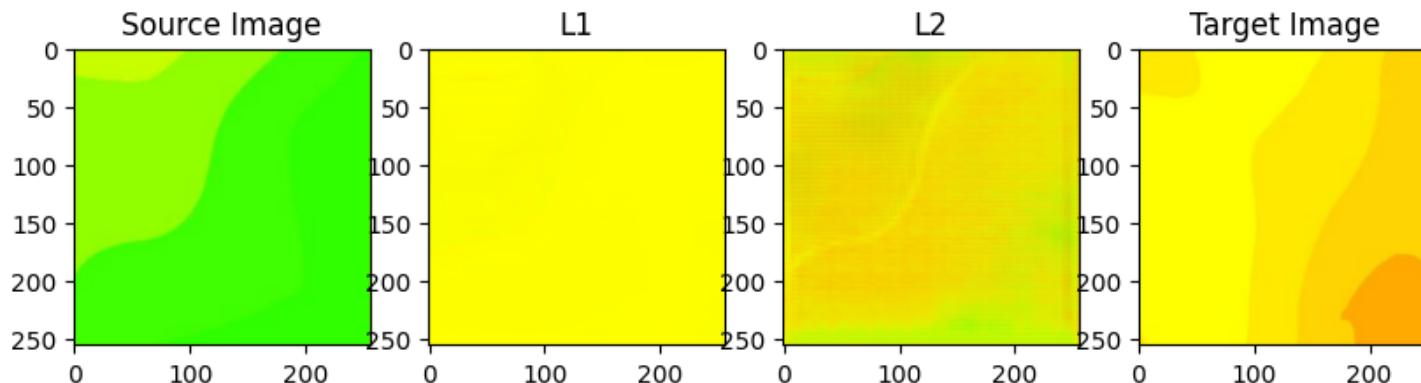
```
1/1 [=====] - 0s 344ms/step  
1/1 [=====] - 0s 349ms/step
```





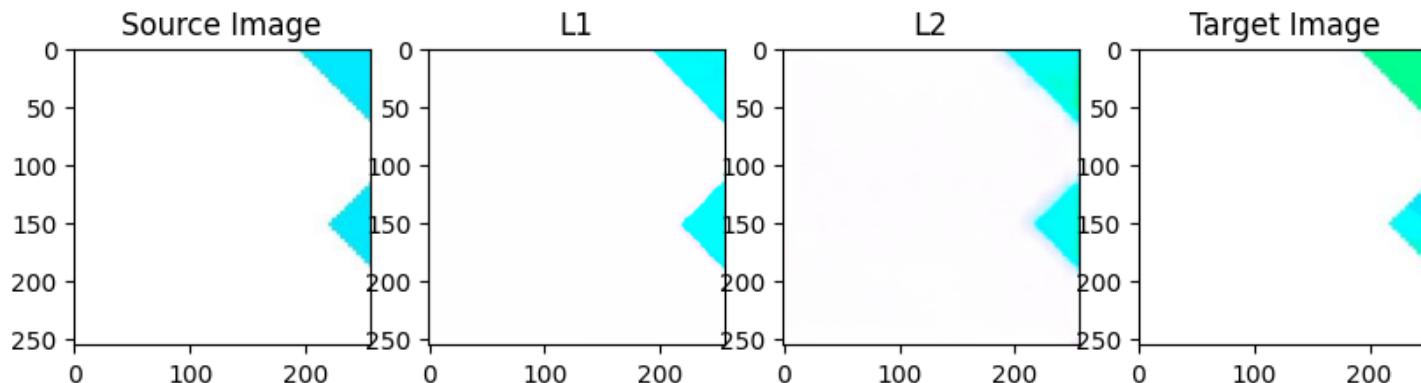
Index: 82

```
1/1 [=====] - 1s 572ms/step  
1/1 [=====] - 1s 649ms/step
```



Index: 83

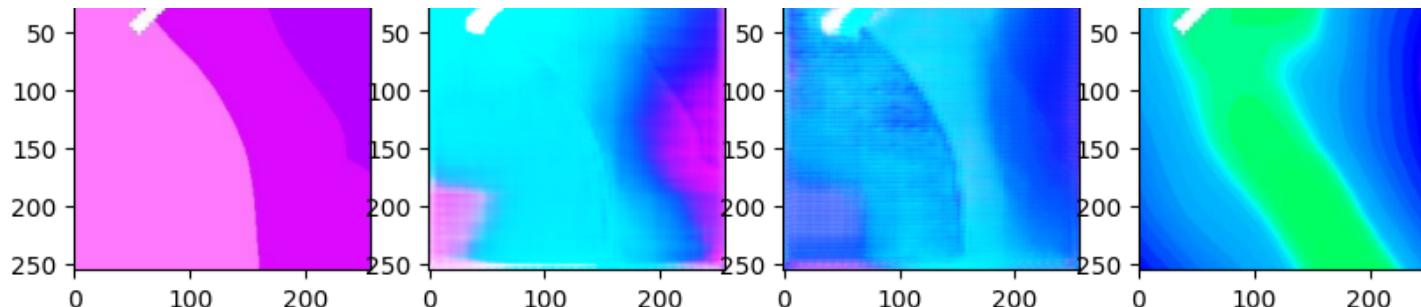
```
1/1 [=====] - 1s 527ms/step  
1/1 [=====] - 0s 457ms/step
```



Index: 84

```
1/1 [=====] - 0s 355ms/step  
1/1 [=====] - 0s 334ms/step
```

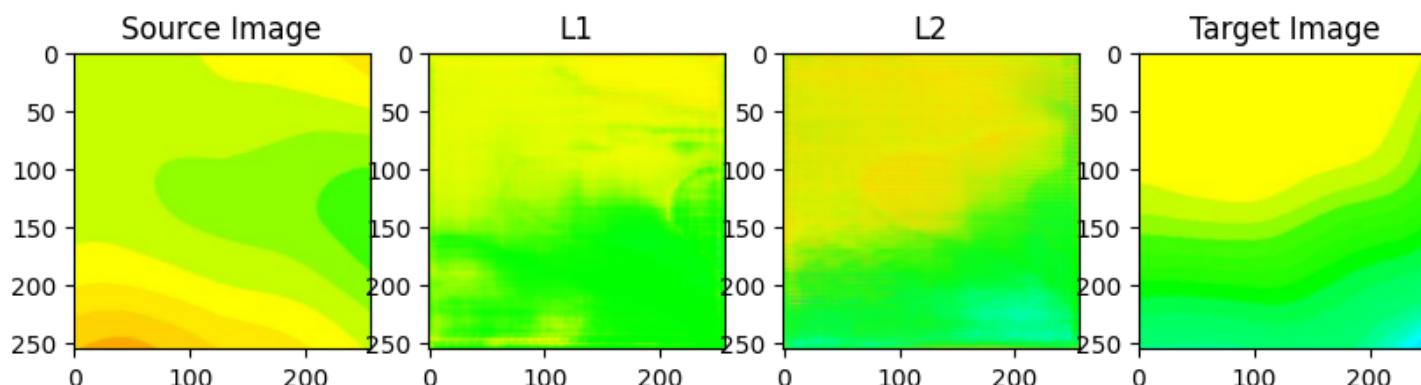




Index: 85

1/1 [=====] - 0s 375ms/step

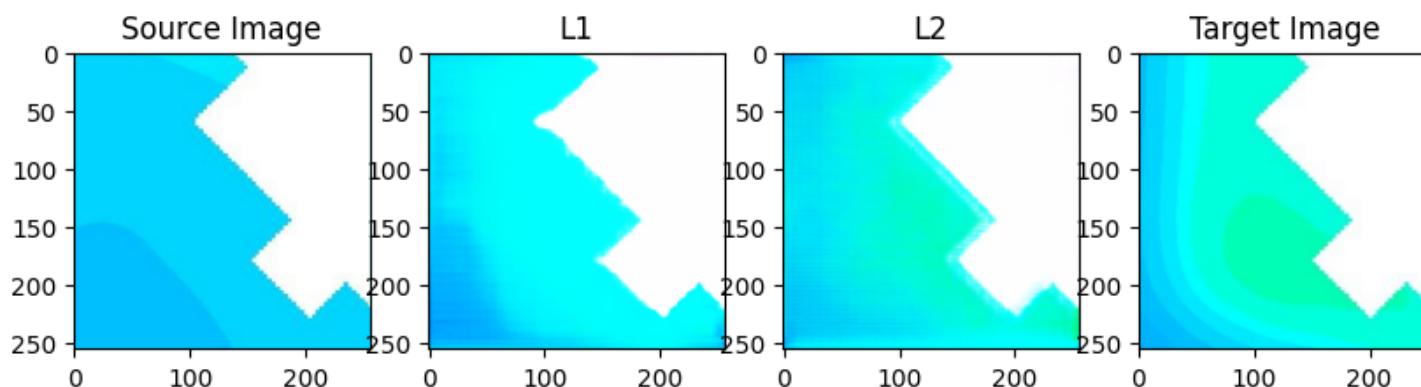
1/1 [=====] - 0s 349ms/step



Index: 86

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

1/1 [=====] - 0s 479ms/step

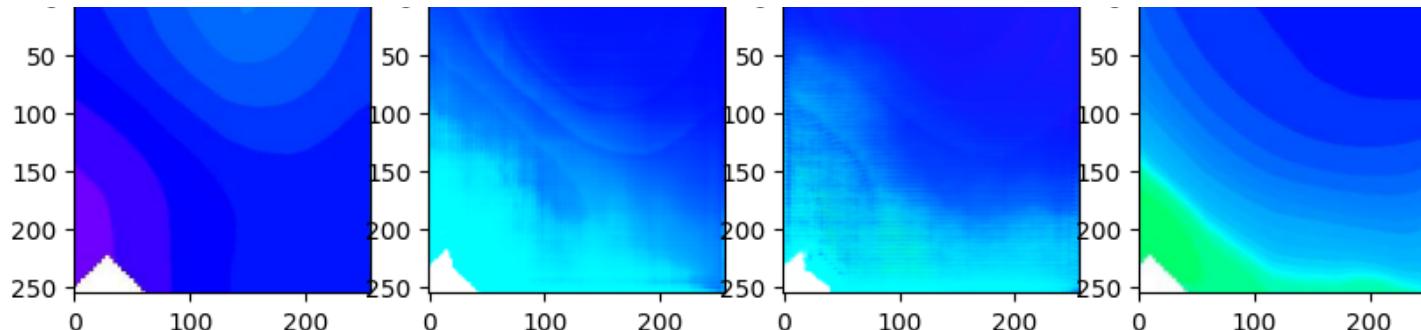


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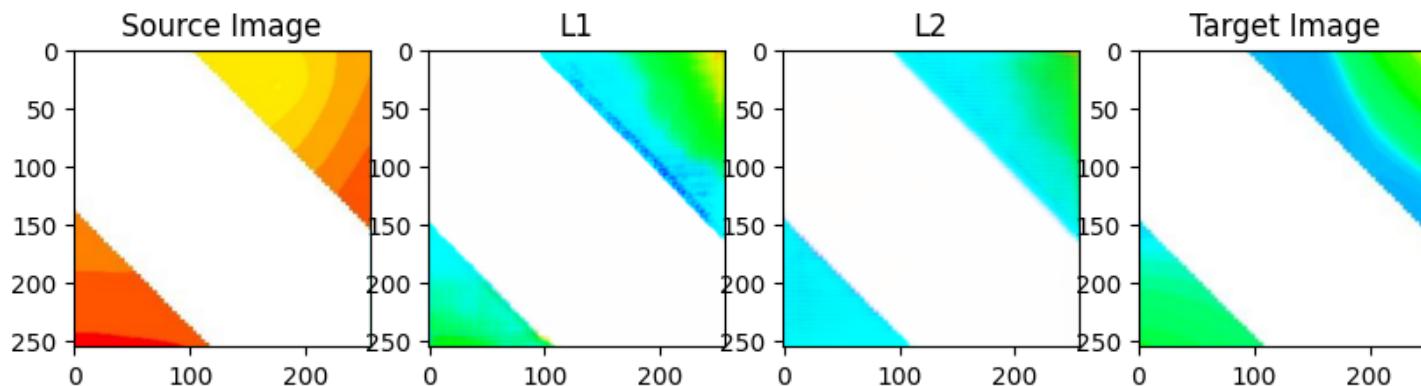
1/1 [=====] - 0s 348ms/step

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

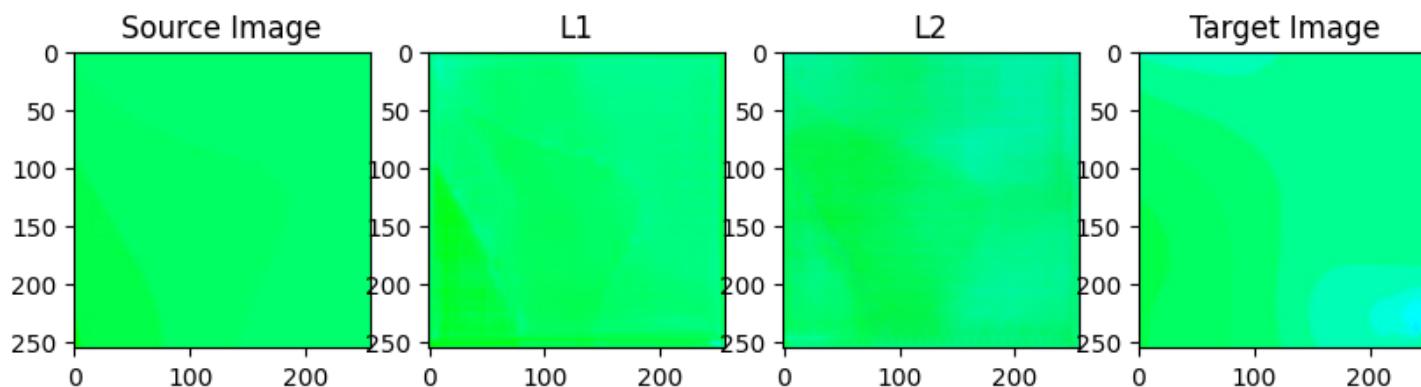




Index: 88

1/1 [=====] - 0s 350ms/step
1/1 [=====] - 0s 352ms/step

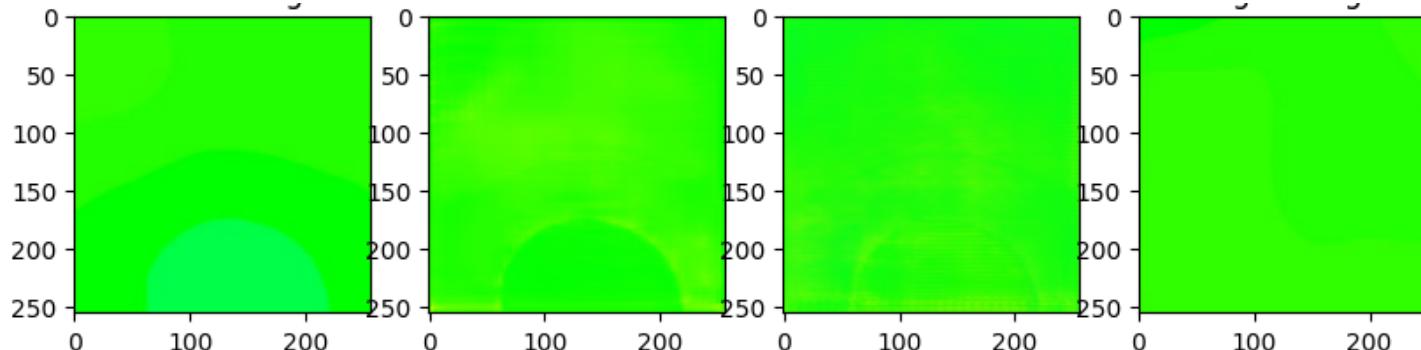
Index: 89

1/1 [=====] - 0s 357ms/step
1/1 [=====] - 0s 334ms/step

Index: 90

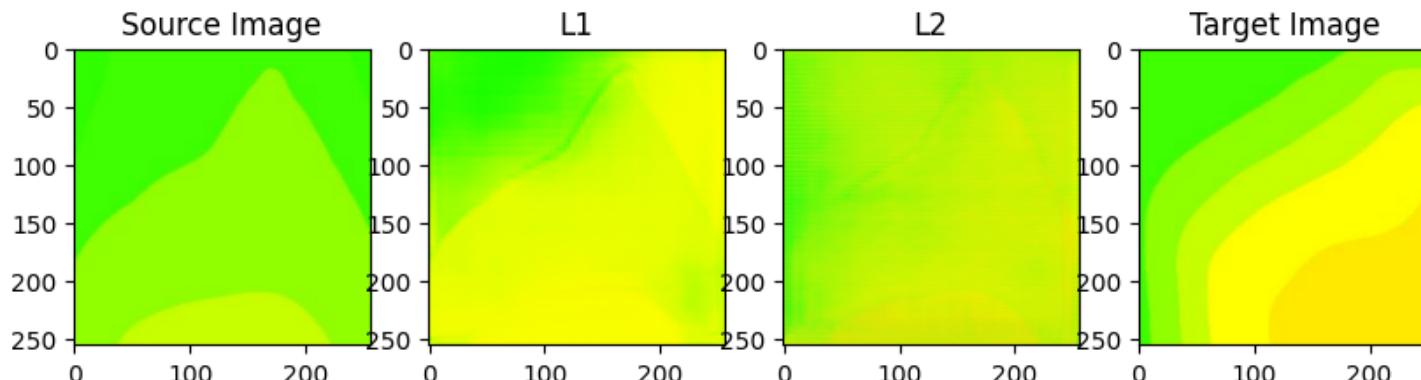
1/1 [=====] - 0s 337ms/step
1/1 [=====] - 0s 355ms/step

Source Image L1 L2 Target Image



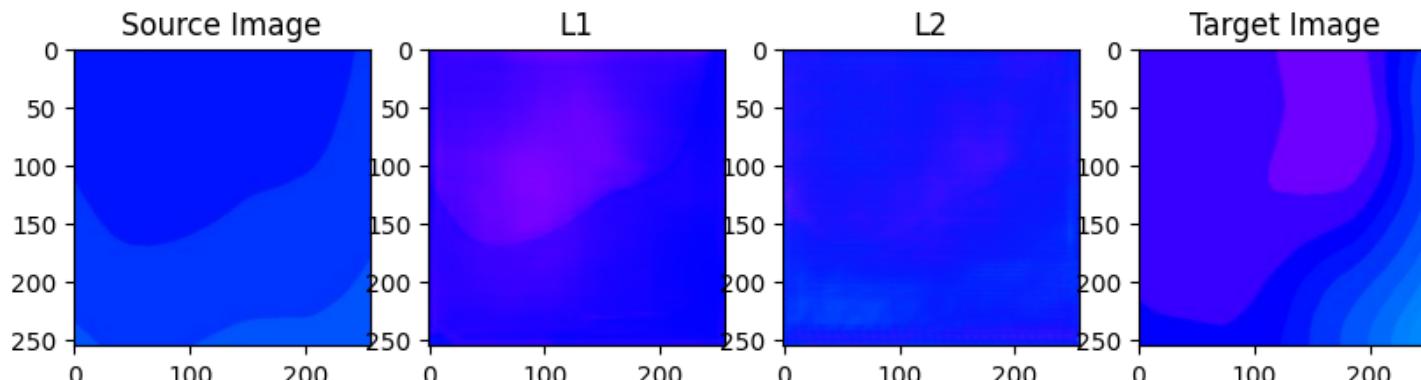
Index: 91

```
1/1 [=====] - 0s 357ms/step  
1/1 [=====] - 0s 355ms/step
```



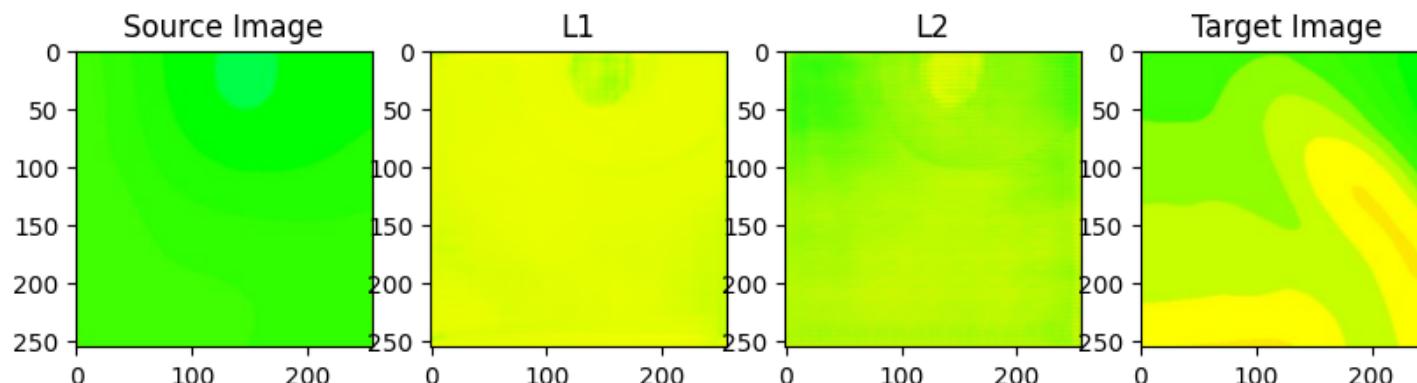
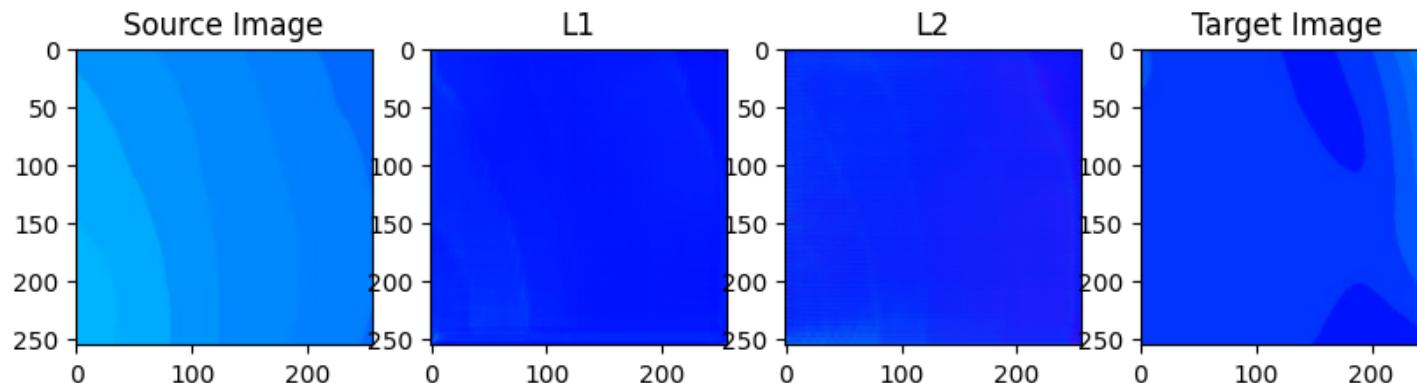
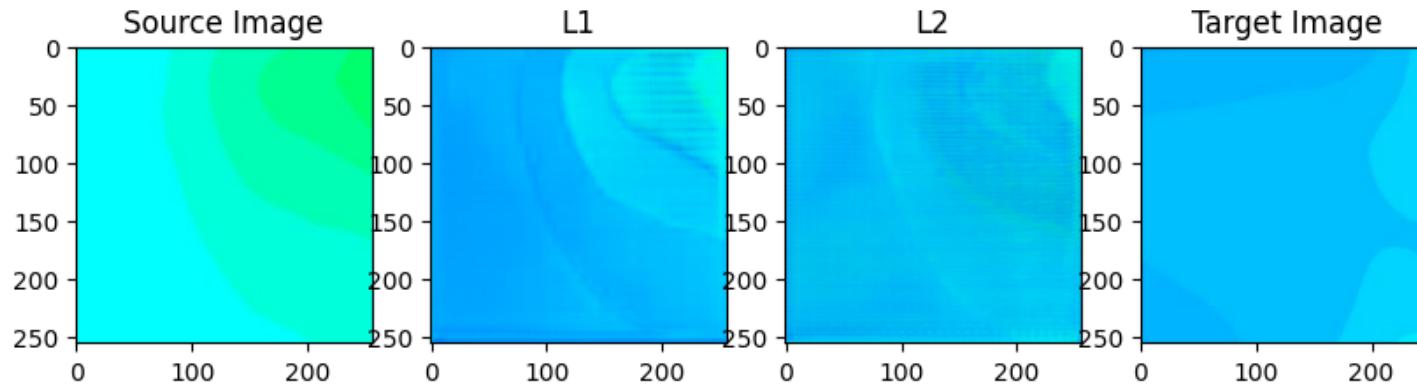
Index: 92

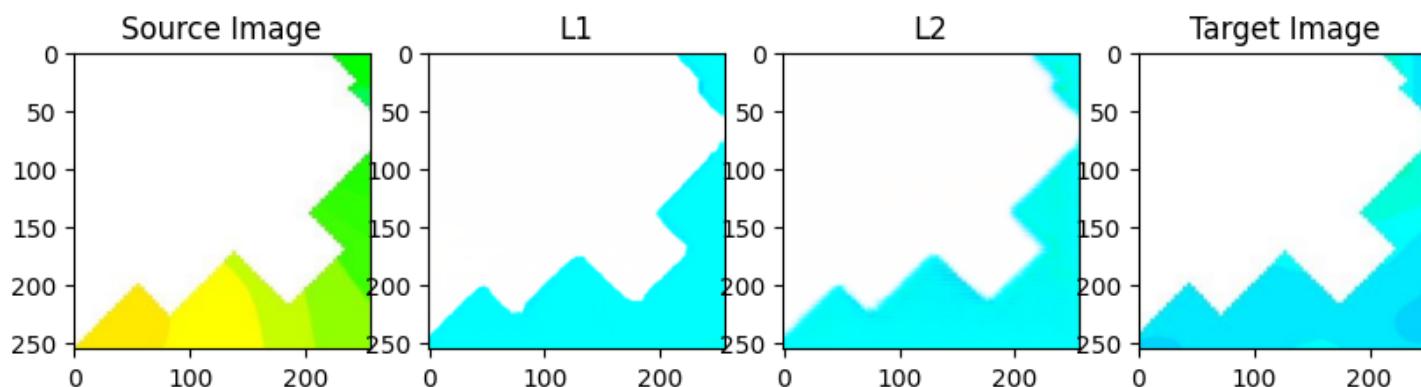
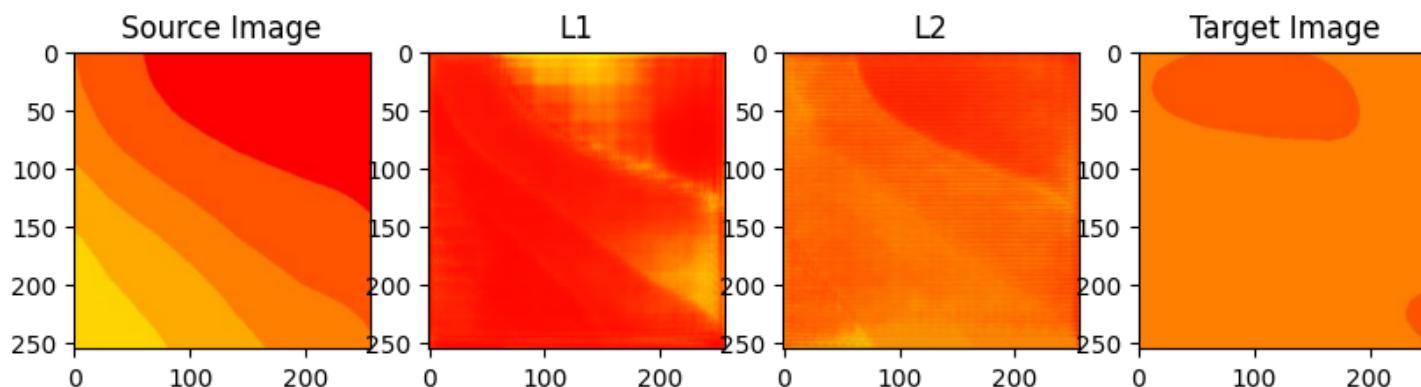
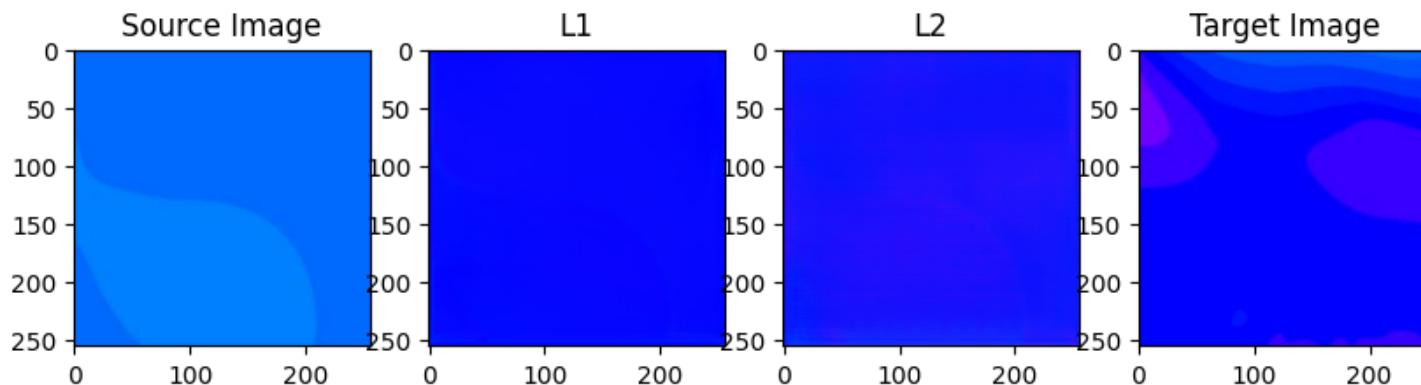
```
1/1 [=====] - 0s 393ms/step  
1/1 [=====] - 0s 364ms/step
```



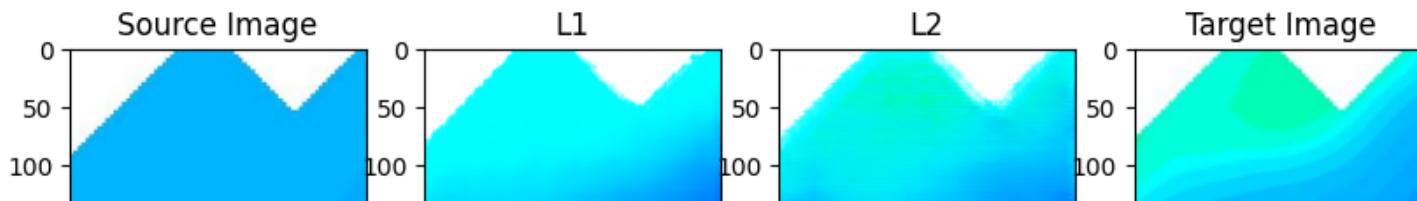
Index: 93

```
1/1 [=====] - 0s 349ms/step  
1/1 [=====] - 0s 365ms/step
```





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



```
images_directory = "/content/drive/MyDrive/kaggle/12learning/output_concatenated7"
```

```
[ 0  1  2  3  4  5  6  7  8  9  10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 ]
```

```
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/12learning/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]
```

```
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')

# Assuming dataset is a list containing X1 and X2
[X1, X2] = dataset

# Choose a specific index for the input image
specific_index = 0 # Change this to the index you want to use

# Select the source image and target image based on the specific index
n = 181
src_image = X1[n]
tar_image = X2[n]
```