

Pix2Pix

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Image to image translation

- Input: Image
- Output: Image
- Objective:
 - Map input to output

Labels to Street Scene



Aerial to Map



Labels to Facade

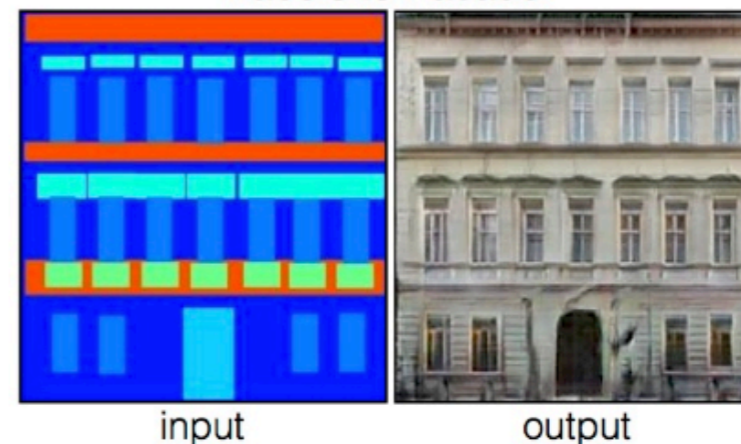
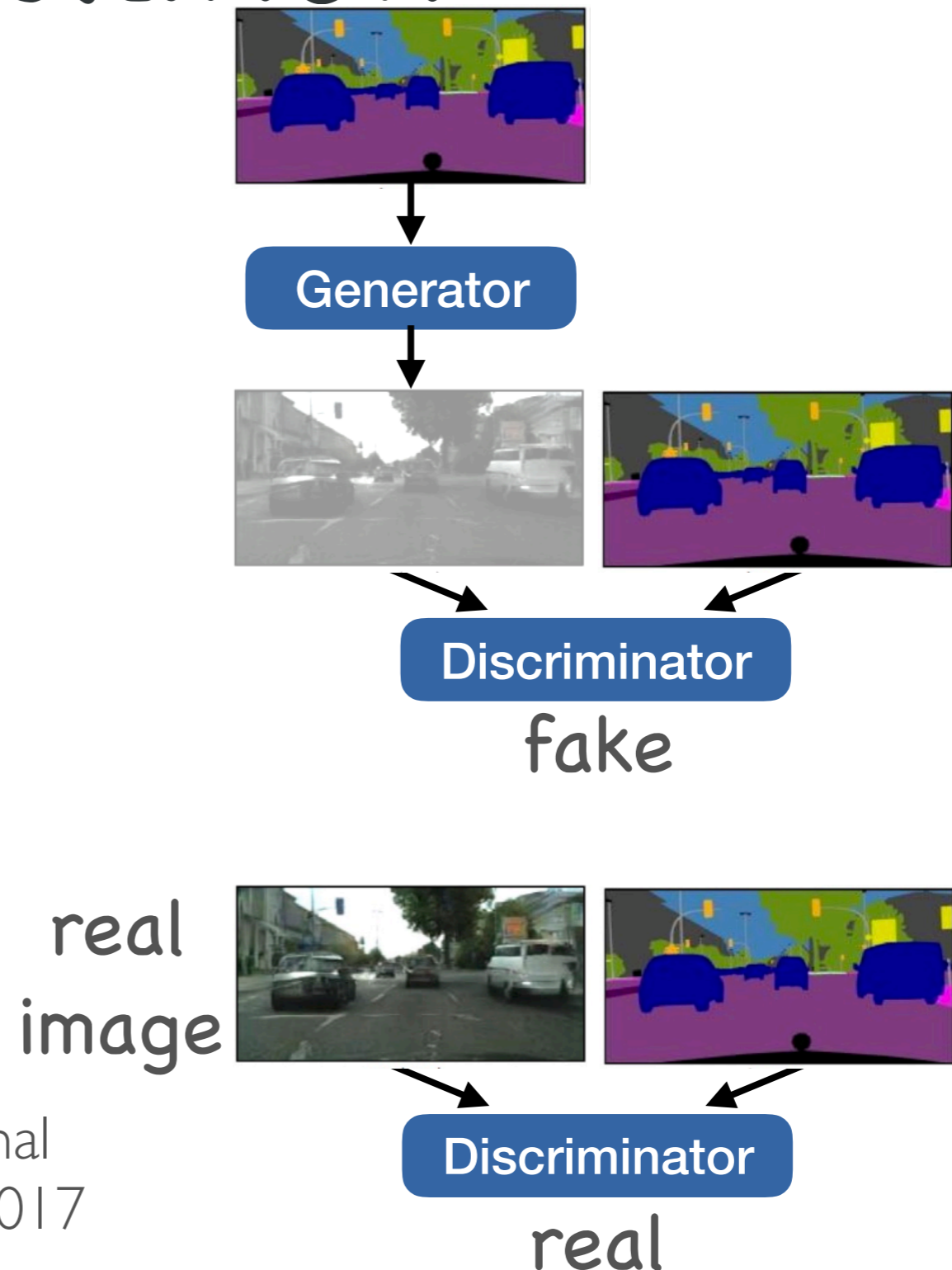


Image source: pix2pix website
<https://phillipi.github.io/pix2pix/>

Pix2Pix - Image2Image translation

- "Autoencoder"
- Different input and output
- GAN loss
- High fidelity reconstruction



Pix2Pix - examples

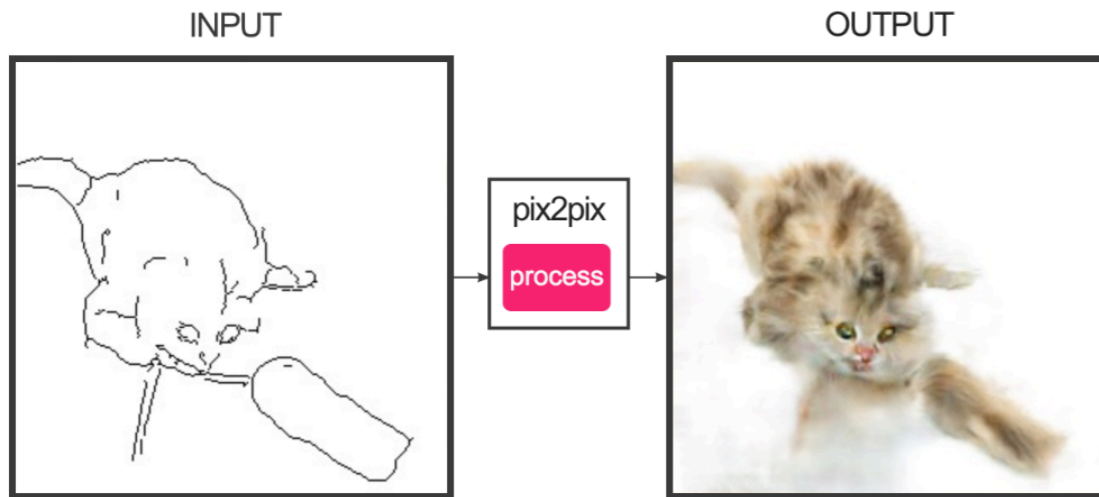
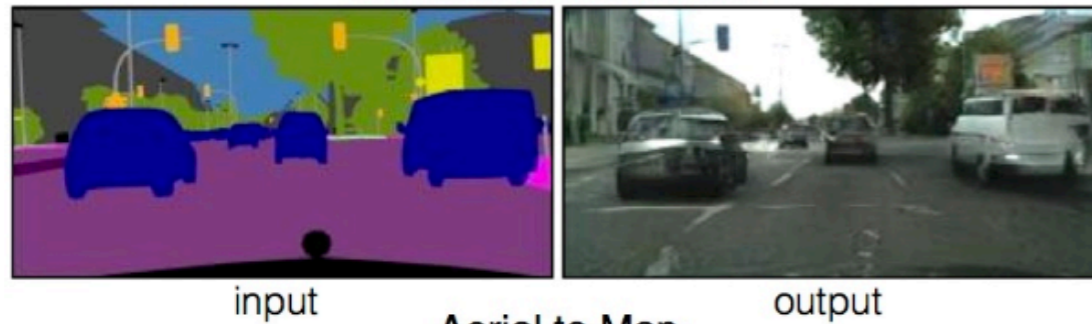
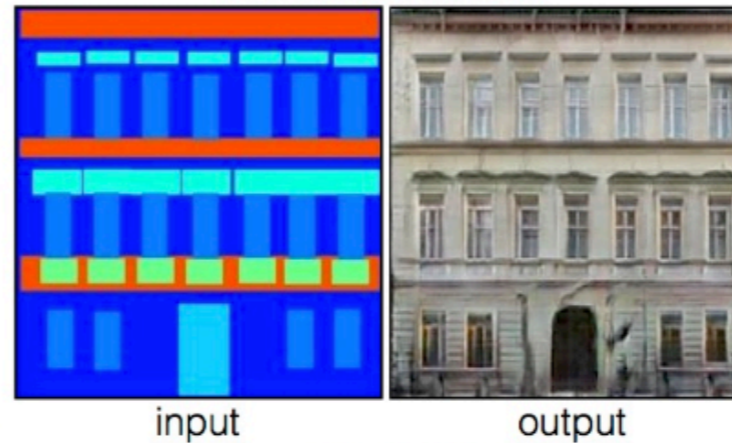


Image source: pix2pix website
<https://phillipi.github.io/pix2pix/>

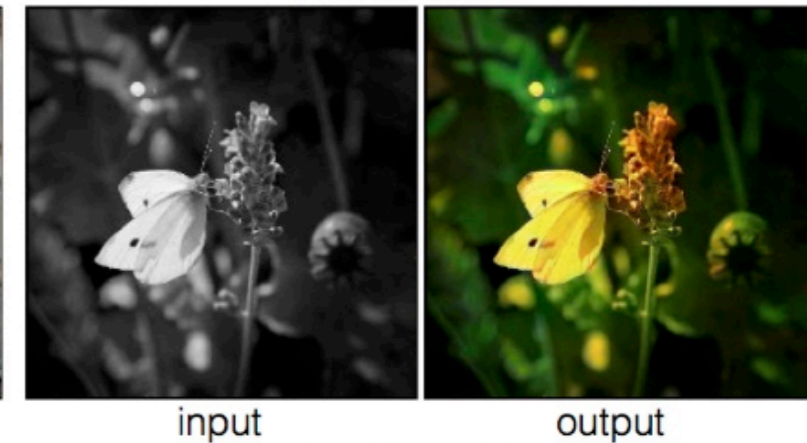
Labels to Street Scene



Labels to Facade



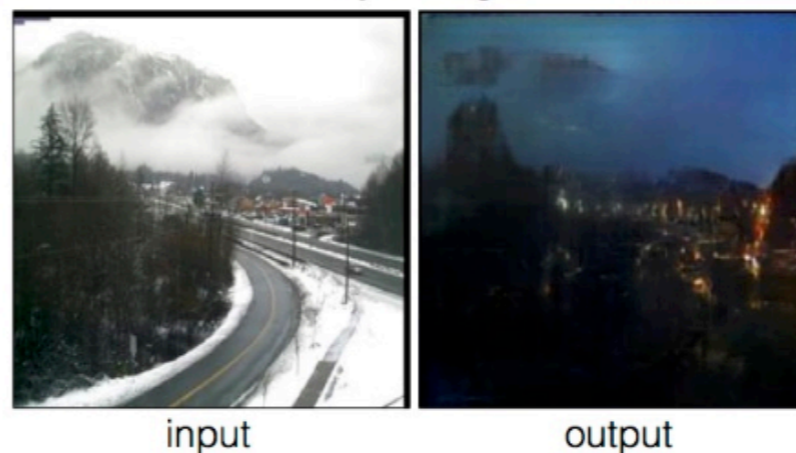
BW to Color



Aerial to Map



Day to Night



Edges to Photo



Pix2Pix - limitations

- Requires a dataset of paired images

