# Mitschrift MA Tests 1: August 2023

1. Start mit Code von <https://medium.com/the-owl/simclr-in-pytorch-5f290cb11dd7>
   1. Test jedoch mit SimCLR un d Bilder von Cifar-10 Datensatz

he **transforms** module in **torchvision** allows you to easily perform various image preprocessing operations, such as resizing, cropping, normalization, data augmentation, and more. Some of the common transformations available in **torchvision.transforms** include:

1. **Resize:** Resizes the image to a specified size.
2. **CenterCrop:** Crops the center portion of the image.
3. **RandomHorizontalFlip:** Randomly flips the image horizontally (left to right).
4. **ToTensor:** Converts the image into a PyTorch tensor.
5. **Normalize:** Normalizes the tensor image with mean and standard deviation values.
6. **ColorJitter:** Applies random color jittering (brightness, contrast, saturation, and hue) to the image.
7. **RandomRotation:** Applies a random rotation to the image.
8. **RandomResizedCrop:** Applies a random resized crop to the image.
9. **GaussianBlur:** Applies Gaussian blur to the image.