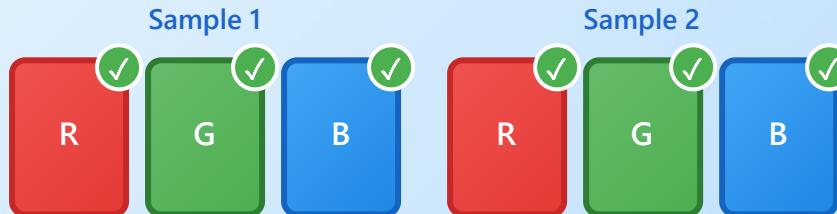


## Instance Normalization

Normalizes Per Instance, Per Channel



Each **spatial map** normalized **separately**

### Key Features

Normalizes each sample and channel independently

Removes **instance-specific contrast** information

Preserves **content** while normalizing style

Better than Batch Norm for **style-related tasks**

### Style vs Content



Normalizes  
Style



Preserves  
Content

### ✓ Primary Applications

Used in **Style Transfer** and **GANs** for image generation tasks