

tf.image.adjust_contrast

```
adjust_contrast(  
    images,  
    contrast_factor  
)
```

Defined in [tensorflow/python/ops/image_ops_impl.py](#).

See the guide: [Images > Image Adjustments](#)

Adjust contrast of RGB or grayscale images.

This is a convenience method that converts an RGB image to float representation, adjusts its contrast, and then converts it back to the original data type. If several adjustments are chained it is advisable to minimize the number of redundant conversions.

`images` is a tensor of at least 3 dimensions. The last 3 dimensions are interpreted as `[height, width, channels]`. The other dimensions only represent a collection of images, such as `[batch, height, width, channels]`.

Contrast is adjusted independently for each channel of each image.

For each channel, this Op computes the mean of the image pixels in the channel and then adjusts each component `x` of each pixel to $(x - \text{mean}) * \text{contrast_factor} + \text{mean}$.

Args:

- `images`: Images to adjust. At least 3-D.
- `contrast_factor`: A float multiplier for adjusting contrast.

Returns:

The contrast-adjusted image or images.

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

Stay Connected

[Blog](#)

[GitHub](#)

[Twitter](#)

Support

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

English

[Terms](#) | [Privacy](#)