

tf.image.random_saturation

```
random_saturation(  
    image,  
    lower,  
    upper,  
    seed=None  
)
```

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

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

Adjust the saturation of an RGB image by a random factor.

Equivalent to `adjust_saturation()` but uses a `saturation_factor` randomly picked in the interval `[lower, upper]`.

Args:

- `image`: RGB image or images. Size of the last dimension must be 3.
- `lower`: float. Lower bound for the random saturation factor.
- `upper`: float. Upper bound for the random saturation factor.
- `seed`: An operation-specific seed. It will be used in conjunction with the graph-level seed to determine the real seeds that will be used in this operation. Please see the documentation of `set_random_seed` for its interaction with the graph-level random seed.

Returns:

Adjusted image(s), same shape and DType as `image`.

Raises:

- `ValueError`: if `upper <= lower` or if `lower < 0`.

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