

tf.image.resize_bicubic

```
resize_bicubic(  
    images,  
    size,  
    align_corners=False,  
    name=None  
)
```

Defined in `tensorflow/python/ops/gen_image_ops.py`.

See the guide: [Images > Resizing](#)

Resize `images` to `size` using bicubic interpolation.

Input images can be of different types but output images are always float.

Args:

- `images`: A `Tensor`. Must be one of the following types: `uint8`, `int8`, `int16`, `int32`, `int64`, `half`, `float32`, `float64`. 4-D with shape `[batch, height, width, channels]`.
- `size`: A 1-D int32 Tensor of 2 elements: `new_height`, `new_width`. The new size for the images.
- `align_corners`: An optional `bool`. Defaults to `False`. If true, rescale input by $(\text{new_height} - 1) / (\text{height} - 1)$, which exactly aligns the 4 corners of images and resized images. If false, rescale by $\text{new_height} / \text{height}$. Treat similarly the width dimension.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` of type `float32`. 4-D with shape `[batch, new_height, new_width, channels]`.

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