tf.image.encode_jpeg

```
encode_jpeg(
    image,
    format='',
    quality=95,
    progressive=False,
    optimize_size=False,
    chroma_downsampling=True,
    density_unit='in',
    x_density=300,
    y_density=300,
    xmp_metadata='',
    name=None
)
```

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

See the guide: Images > Encoding and Decoding

JPEG-encode an image.

`image` is a 3-D uint8 Tensor of shape `[height, width, channels]`.

The attr `format` can be used to override the color format of the encoded output. Values can be:

- `''` : Use a default format based on the number of channels in the image.
- `grayscale` : Output a grayscale JPEG image. The `channels` dimension of `image` must be 1.
- `rgb` : Output an RGB JPEG image. The `channels` dimension of `image` must be 3.

If `format` is not specified or is the empty string, a default format is picked in function of the number of channels in `image` :

- 1: Output a grayscale image.
- 3: Output an RGB image.

Args:

- `image` : A `Tensor` of type `uint8` . 3-D with shape `[height, width, channels]` .
- `format` : An optional `string` from: `"", "grayscale", "rgb"` . Defaults to `""` . Per pixel image format.
- `quality` : An optional `int` . Defaults to `95` . Quality of the compression from 0 to 100 (higher is better and slower).
- `progressive` : An optional `bool` . Defaults to `False` . If True, create a JPEG that loads progressively (coarse to fine).
- `optimize_size` : An optional `bool` . Defaults to `False` . If True, spend CPU/RAM to reduce size with no quality change.
- `chroma_downsampling` : An optional `bool` . Defaults to `True` . See http://en.wikipedia.org/wiki/Chroma_subsampling.
- `density_unit` : An optional `string` from: `"in", "cm"` . Defaults to `"in"` . Unit used to specify `x_density` and `y_density` : pixels per inch (`'in'`) or centimeter (`'cm'`).
- `x_density` : An optional `int` . Defaults to `300` . Horizontal pixels per density unit.
- `y_density` : An optional `int` . Defaults to `300` . Vertical pixels per density unit.

- `xmp_metadata` : An optional `string` . Defaults to `""` . If not empty, embed this XMP metadata in the image header.
- `name` : A name for the operation (optional).

Returns:

A `Tensor` of type `string` . 0-D. JPEG-encoded image.

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