

## tf.rsqrt

```
rsqrt(  
    x,  
    name=None  
)
```

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

See the guide: [Math > Basic Math Functions](#)

Computes reciprocal of square root of  $x$  element-wise.

I.e.,  $y = 1/\sqrt{x}$ .

## Args:

- $x$ : A `Tensor`. Must be one of the following types: `half`, `float32`, `float64`, `complex64`, `complex128`.
- `name`: A name for the operation (optional).

## Returns:

A `Tensor`. Has the same type as  $x$ .

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