

tf.sqrt

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

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

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

Computes square root of x element-wise.

I.e., $y = \sqrt{x} = x^{1/2}$.

Args:

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

Returns:

A `Tensor` or `SparseTensor`, respectively. Has the same type as **x**.

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