

# Sharpen

## What does the sharpen filter do?

Increases contrast and accentuates detail in the image or selection, but may also accentuate noise. This filter uses the following weighting factors to replace each pixel with a weighted average of the 3×3 neighborhood.

```
-1 -1 -1  
-1 12 -1  
-1 -1 -1
```

From:

<http://imagejdocu.tudor.lu/> - **ImageJ Documentation Wiki**

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