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Filter Node

The Filter node implements various common image enhancement filters.

Inputs

Factor

Controls the amount of influence the node exerts on the output image.

Image

Standard color input.

Properties

Type

The Soften, Laplace, Sobel, Prewitt and Kirsch all perform edge detection (in slightly different ways) based on vector calculus and set theory equations.

Soften:

Slightly blurs the image.

Box Sharpen:

Increases the contrast, especially at edges.

Diamond Sharpen:

Less aggressive than box sharpen, reducing sharpening artifacts.

Laplace:

Edge highlighting filter susceptible to highlighting visual noise.

Sobel:

Creates a negative image that highlights edges.

Prewitt:

Produces a similar results to Sobel.

Kirsch:

Gives better blending than Sobel or Prewitt, when approaching an edge.

Shadow:

Performs a relief, emboss effect, darkening outside edges.

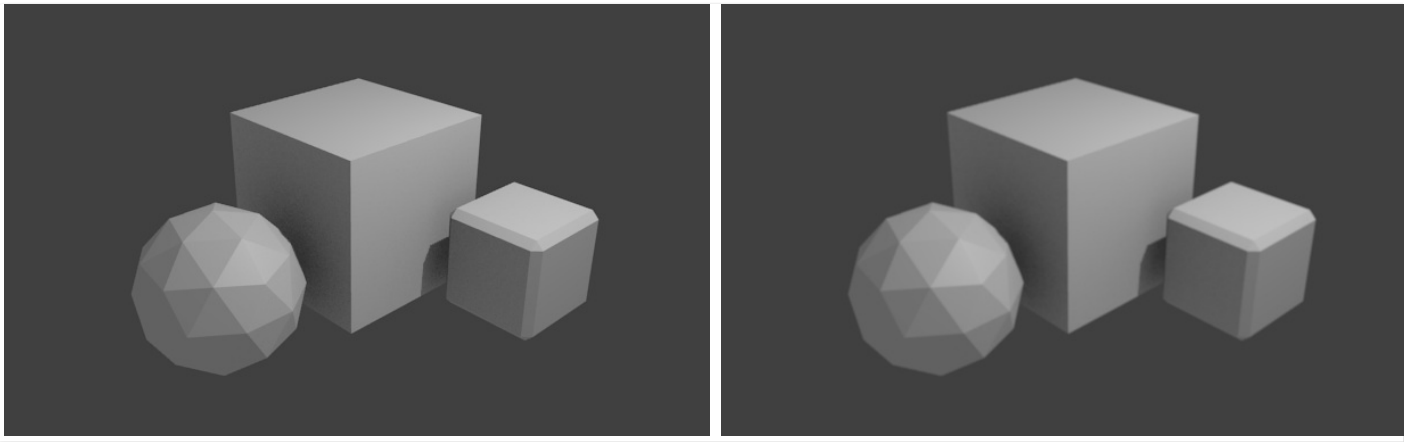
Outputs

Image

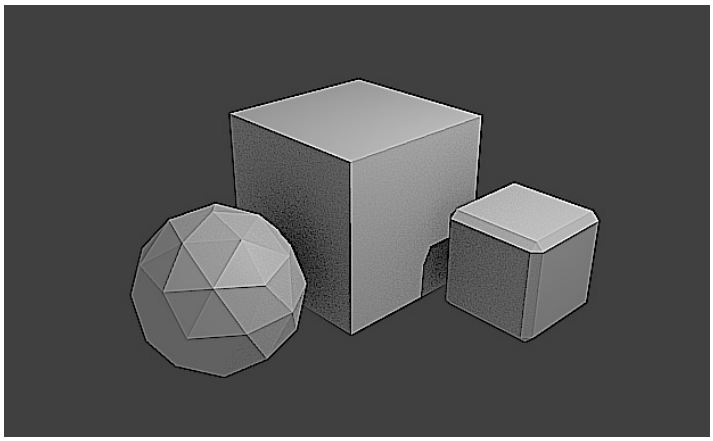
Standard color output.

Example

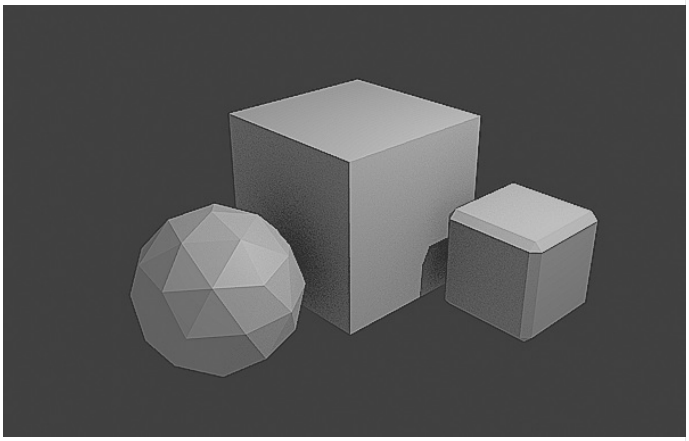
The Filter node has eight modes, shown here.



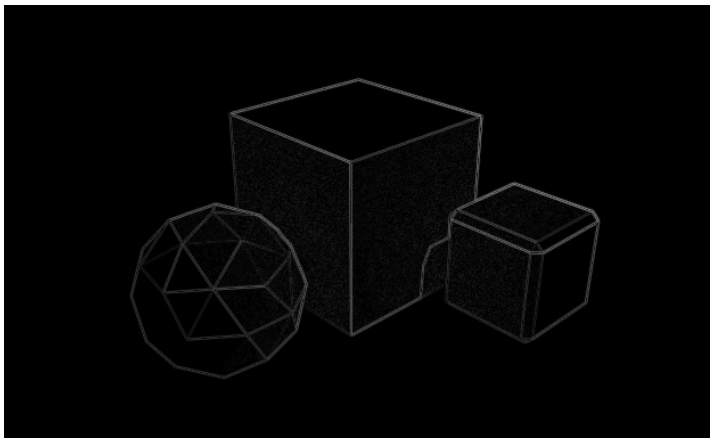
Original image.



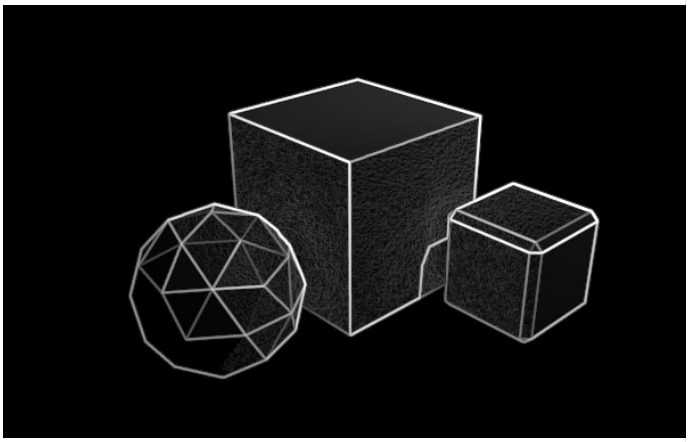
Soften.



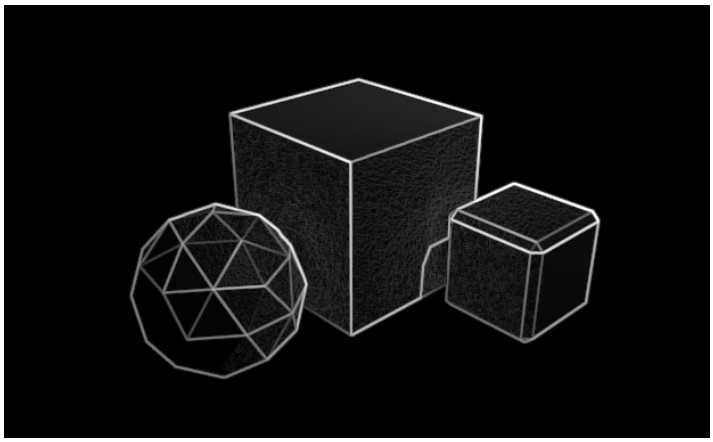
Box Sharpen.



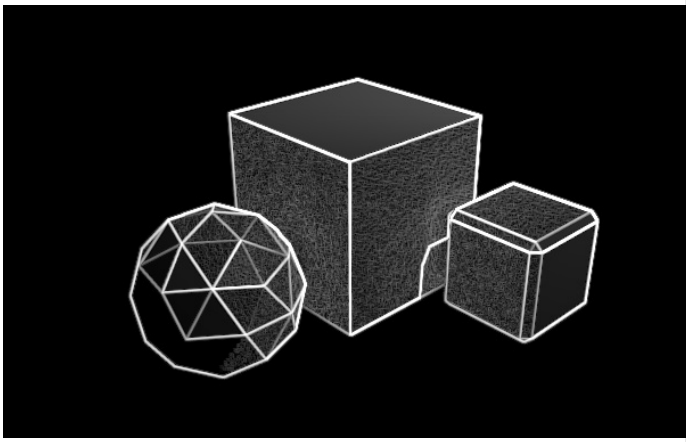
Diamond Sharpen.



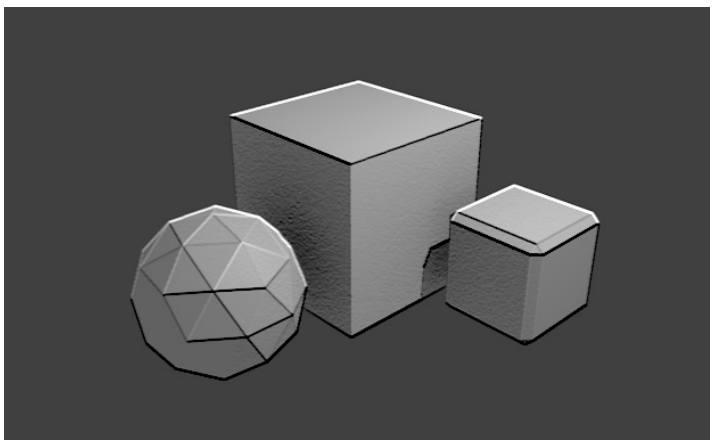
Laplace.



Sobel.



Prewitt.



Kirsch.

Shadow.

Made with Furo
Last updated on 2025-05-10