



Wood Grain Imitation with ColorMix

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Summary

Uneven surfaces shaped in such a way that when printed using ColorMix, they are meant to resemble wood grain texture

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Tags: [wood](#) [surface](#) [veneer](#) [colormix](#)

[Edit 15.10.26: I added three more textures, wood_imitation_{4-6}, each with a dense and a sparse version, depending on how much structure you want in the result]

Have you ever looked at a flat part of a ColorMix print and think that the lines look a bit like wood? Of course you have!

These models are meant to resemble wood grain texture when printed using ColorMix. Whereas in wood the texture results from curved layers and a straight plank surface, here we have straight layers and a curved plank surface. The tops sides of the planks are curved in such a way that the layer lines resemble wood grain lines.

But wait, there's more! You can create your own textures using the freely available tool that I developed to create these models:

[Wood grain texture to STL](#)

You can take a picture of any piece of wood you like and use the tool to

create an STL model which when printed with ColorMix should resemble the texture. (It takes a bit of tinkering to get it to look good, but it is reasonably doable)

No supports or brim are needed, but the choice of filaments is a bit tricky (as you can see in the pics) - they need to be different enough to make the lines visible but similar enough to look realistic. In the pictures I used the following combinations:

- 75% Prusament Woodfill Pastel Brown, 25% Prusament Woodfill Chocolate Brown
- 70% Prusament Woodfill Chocolate Brown, 30% Prusament rPLA Wine
- 65% Prusament rPLA Wine, 35% Prusament rPLA Corn
- 65% Prusament PLA Sakura Pink, 35% Prusament PLA Vanilla White
- 65% Prusament Woodfill Chocolate Brown, 35% Prusament Woodfill Linden Light

Model files

wood_imitation_1.3mf



wood_imitation_2.3mf



wood_imitation_3.3mf



wood_imitation_4_dense.3mf



wood_imitation_4_sparse.3mf





wood_imitation_5_dense.3mf



wood_imitation_5_sparse.3mf



wood_imitation_6_dense.3mf



wood_imitation_6_sparse.3mf



wood_imitation_1.stl



wood_imitation_2.stl



wood_imitation_3.stl



wood_imitation_4_dense.stl



wood_imitation_4_sparse.stl



wood_imitation_5_dense.stl



wood_imitation_5_sparse.stl



wood_imitation_6_dense.stl



wood_imitation_6_sparse.stl

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