

Depth of Field Calculators Online

❖ Depth of Field Simulator

<https://dofsimulator.net/en/>

can use online or download and use offline

❖ PhotoPills, Depth of Field Calculator

<https://www.photopills.com/calculators/dof>

can use online or download for \$11 and use offline

❖ DOFMaster, Depth of Field Calculator

<https://dofmaster.com/>

can use online only

Suggest Photo Club members at least download the first DoF device, *Depth of Field Simulator*. They can find their camera and plug it in first. Then, play with the sliders and watch the readings change. Try to analyze what is happening when you make changes. Look for favorite settings.

PhotoPills is a very useful tool, not only for DoF but the whole package does lots of things that help with our photography.

The *DoF Master* is a very quick and simple calculator. Can find the hyperfocal distance easily with this calculator.

Using PhotoPills you can: First find your camera in the calculator. Enter it. Using F/11 and F/16 for aperture and 28mm & 35mm as focal lengths make a grid which shows hyperfocal distance for each set of numbers. An example follows:

	Lens	Aperture	in focus range	focused at
Canon 5D	28mm	@ F/11	4' - infinity	8'
	35mm	@ F/11	6' - infinity	12'
	28mm	@ F/16	3' - infinity	6'
	35mm	@ F/16	4' - infinity	9'

By making this grid for your camera at typical landscape settings you will have a cheat sheet to give you the maximum DoF which includes the distant background (infinity). Once you are at any of those settings (above) you can focus at a spot and you'll get max DoF, i.e. the most possible distance (span) in focus. Choose the indicated distance shown in the hyperfocal distance column (focused at, shown above). If there's nothing there focus on a rock or other thing at that distance. Put something in the picture to focus on if nothing is there. To focus go to autofocus first to "hit" the focal point. You can usually get more accurate focus this way but you'll need to focus with a small spot rather than the bigger focus finding patterns. Once your focus is found change to manual focus. Or you can just carefully focus on manual. Make the focus and you'll get the results shown above - in focus range at the maximum.

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