### DensityPlot

`DensityPlot[f, {x, xmin, xmax}, {y, ymin, ymax}]` makes a density plot of `f` as a function of `x` and `y`.

`DensityPlot` evaluates its arguments in a non-standard way (see page ??). The same options can be specified as for `DensityGraphics`, with the following addition:

- `PlotPoints` 15 the number of points in each direction at which to sample the function

- `DensityPlot` returns a `DensityGraphics` object. See page 136. See also: `ContourPlot`. 

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