

Column	Zone
Symbol	Edit the base symbol to have a solid fill with 50% transparency
Colour ramp	Random

More about styling classes

The categorized renderer is useful when you have data that is classified by discrete values. The legend for a categorized layer will show a unique colour or symbol for each class. When you have a large number of classes, a categorized symbology may be challenging for the user of your map to interpret since it can be difficult to distinguish visually between the different classes.

The initial colours assigned to your categories will be defined by the colour ramp you choose. Depending on your choice of ramp, you may find that two or more classes have been assigned the same colour. Each class in the categorized renderer's legend can be edited as a single symbol renderer. This means you can, for example, use colour, line hatchings, SVG markers and so on to differentiate each class clearly.

Before using a categorized renderer, you should review the attribute table of your vector layer and evaluate whether you have a suitable attribute for categorizing. Some good examples of attributes you could use are land cover classes, building types, road types.

Categorized renderers can be used with any vector layer geometry type - points, lines and polygons. The symbology options available will be adjusted accordingly.

Check your knowledge:

- The maximum number of classes supported by QGIS in a categorized layer:
 - 10
 - 100
 - No Limit
- Can you use a categorized fill on a raster layer:
 - True
 - False
- Once your categories have been defined, they cannot be changed:
 - True
 - False

Module video tutorial:

- https://www.youtube.com/watch?v=mtUrMD_g88k&list=PLrZxneE_xfYvKeAbJjrhsPjhx4d0vAPg9&index=12

Further reading:

- Vector properties: https://docs.qgis.org/3.16/en/docs/user_manual/working_with_vector/vector_properties.html#renderers
- Classification: https://docs.qgis.org/3.16/en/docs/training_manual/vector_classification/classification.html

Download the sample data for the lesson from http://changelog.qgis.org/media/images/lesson/worksheet/external_data/d27d9ef0c38b96072051cad395ed3c0498be06e7.zip.