

## How to create generated icons

GPX Viewer supports generating custom color and text icons for waypoints defined in gpx or kml files.

In gpx files you can define in `<wpt>` tag `<extensions>` tag, then `<gpxwpx:WaypointExtension>` tag into which you need to add `<gpxwpx:icon>` tag. This is not included in gpx schema, so we are providing schema for this on this url:

<https://www.vecturagames.com/xmlschemas/GpxWaypointExtensionv1.xsd>. For example:

```
<wpt>
  ...
  <extensions>
    <gpxwpx:WaypointExtension>
      <gpxwpx:icon>...</gpxwpx:icon>
    </gpxwpx:WaypointExtension>
  </extensions>
  ...
</wpt>
```

Inside `<gpxwpx:icon>` and `</gpxwpx:icon>` tags instead of ... you can write functions:

- **\*color\_marker(color) - instead of color you need to write color in RGB format, for example: #aab51c** **text\_marker(string) - instead of string you need to write maximum of three characters and minimum one character, for example: 100** Examples for color\_marker(color): `<wpt> ... <extensions> <gpxwpx:WaypointExtension> <gpxwpx:icon>color_marker(#aab51c)</gpxwpx:icon> </gpxwpx:WaypointExtension> </extensions> ... </wpt>` Result icon: Examples for text\_marker(string)\*\*:

```
<wpt>
  ...
  <extensions>
    <gpxwpx:WaypointExtension>
      <gpxwpx:icon>text_marker(100)</gpxwpx:icon>
    </gpxwpx:WaypointExtension>
  </extensions>
  ...
</wpt>
```

Result icon:

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