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. These tags are not included in the gpx schema, so we are providing schema for this on this url: https://www.vecturagames.com/xmlschemas/GpxWaypointExtensionv1.xsd. 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 the color in RGB format, for example #aab51c
- **text_marker(string)** - instead of string you need to write a maximum of three characters and a minimum one character, for example 100

Example for **color_marker(color)**:

```
<wpt>
  ...
  <extensions>
    <gpxwpx:WaypointExtension>
      <gpxwpx:icon>color_marker(#aab51c)</gpxwpx:icon>
    </gpxwpx:WaypointExtension>
  </extensions>
  ...
</wpt>
```

Result icon:



Example 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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