

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 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 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

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:



From: <https://docs.vecturagames.com/gpxviewerproios/> - **GPX Viewer PRO User Guide**

Permanent link: https://docs.vecturagames.com/gpxviewerproios/doku.php?id=docs:faq:how_to:generated_waypoint_icon&rev=1577049887

Last update: **2023/09/08 14:45**

