

Customizing a Google Map: Custom Markers

Select platform: [Android \(/maps/documentation/android-sdk/marker\)](/maps/documentation/android-sdk/marker)

[iOS \(/maps/documentation/ios-sdk/marker\)](/maps/documentation/ios-sdk/marker)

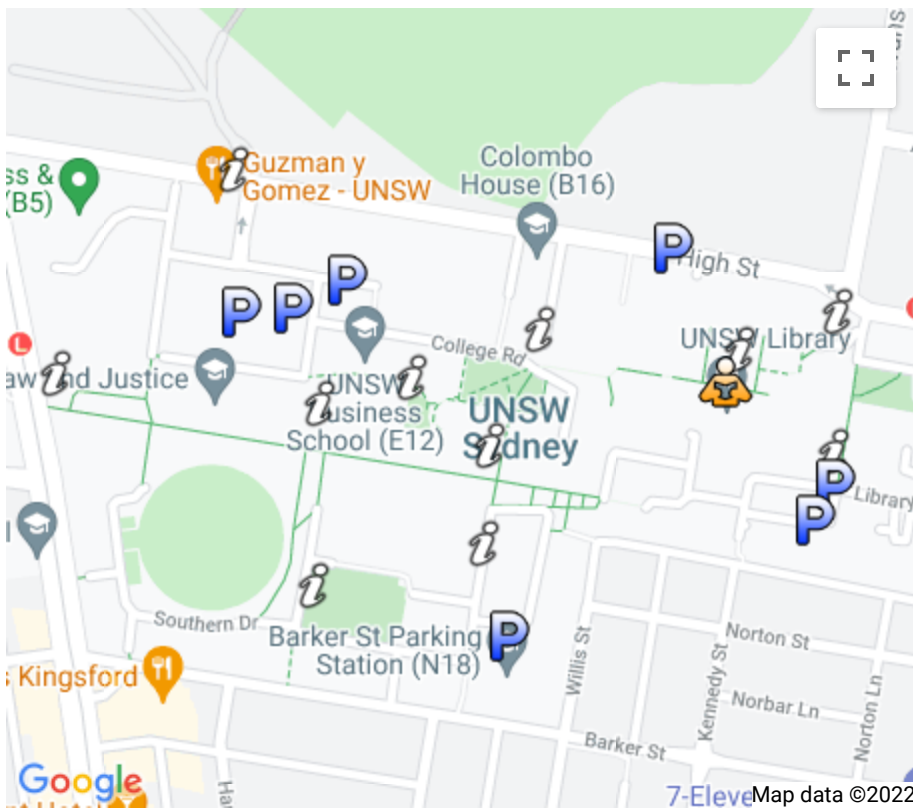
[JavaScript \(/maps/documentation/javascript/custom-markers\)](/maps/documentation/javascript/custom-markers)

Overview

This tutorial teaches you how to change the [icon \(#icon\)](#) of a Google maps marker. It is beneficial to know the [basics of creating markers \(/maps/documentation/javascript/markers\)](/maps/documentation/javascript/markers) when using this tutorial.

Note: You can use standard and custom marker icons from the [Google Earth/Maps Icons collection](http://kml4earth.appspot.com/icons.html) (<http://kml4earth.appspot.com/icons.html>).

The following map is an example of a map that uses customized markers.



The section below lists all of the code that you need to create the map in this tutorial.

TypeScript ([#javascript](#)) CSS ([#css](#)) HTML ([#html](#))
([#typescript](#))

```
let map: google.maps.Map;

function initMap(): void {
  map = new google.maps.Map(document.getElementById("map") as HTMLElement,
    center: new google.maps.LatLng(-33.91722, 151.23064),
    zoom: 16,
  });

  const iconBase =
    "https://developers.google.com/maps/documentation/javascript/examples/

  const icons: Record<string, { icon: string }> = {
    parking: {
      icon: iconBase + "parking_lot_maps.png",
    },
    library: {
      icon: iconBase + "library_maps.png",
    },
    info: {
```

```
    icon: iconBase + "info-i_maps.png",
  },
};

const features = [
  {
    position: new google.maps.LatLng(-33.91721, 151.2263),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.91539, 151.2282),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.91747, 151.22912),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.9191, 151.22907),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.91725, 151.23011),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.91872, 151.23089),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.91784, 151.23094),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.91682, 151.23149),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.9179, 151.23463),
    type: "info",
  },
  {
    position: new google.maps.LatLng(-33.91666, 151.23468),
    type: "info",
  },
],
```

```
{
  position: new google.maps.LatLng(-33.916988, 151.23364),
  type: "info",
},
{
  position: new google.maps.LatLng(-33.91662347903106, 151.22879464019),
  type: "parking",
},
{
  position: new google.maps.LatLng(-33.916365282092855, 151.2293739973),
  type: "parking",
},
{
  position: new google.maps.LatLng(-33.91665018901448, 151.22824746955),
  type: "parking",
},
{
  position: new google.maps.LatLng(-33.919543720969806, 151.2311227976),
  type: "parking",
},
{
  position: new google.maps.LatLng(-33.91608037421864, 151.23288232673),
  type: "parking",
},
{
  position: new google.maps.LatLng(-33.91851096391805, 151.23440582145),
  type: "parking",
},
{
  position: new google.maps.LatLng(-33.91818154739766, 151.23462039817),
  type: "parking",
},
{
  position: new google.maps.LatLng(-33.91727341958453, 151.23348314155),
  type: "library",
},
},
];

// Create markers.
for (let i = 0; i < features.length; i++) {
  const marker = new google.maps.Marker({
    position: features[i].position,
    icon: icons[features[i].type].icon,
    map: map,
  });
};
```

```

    }
  }
  33c4b043d4fbabcedf916b9046037e652c06b9c/samples/custom-markers/src/index.ts#L18-L128)

```

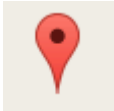
⬅ **Note:** Read the [guide](/maps/documentation/javascript/using-typescript) (/maps/documentation/javascript/using-typescript) on using TypeScript and Google Maps.

Try Sample

[JSFiddle \(#\)](#) [CodeSandbox.io](https://codesandbox.io/embed/github/googlemaps/js-samples/tree/sample) (<https://codesandbox.io/embed/github/googlemaps/js-samples/tree/sample>)

Customizing a map marker

The image below displays a Google maps marker with the default red icon.



You can change this icon to an image of your choice. The table below explains the code that customizes the default marker to use an icon for parking lots.

Code and description

<pre> var iconBase = 'https://maps.google.com'; var marker = new google.maps.Marker({ position: myLatLng, map: map, icon: iconBase + 'parking_lot_maps. png' }); </pre>	<p>Adds the icon property to the MarkerOptions object, to change the marker's icon.</p> <p>The icon property can be either a string (the URL to the marker icon), or an Icon object.</p> <p>See the customized marker icon below.</p>
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