

## 06. GOOGLE MAPS Types.

### 6.1. Google Maps Controls

A Google map can be displayed using different types.

**Example:** A Google map of type HYBRID:



### 6.2. Google Maps – Basic Map Types

The following map types are supported in Google Maps API:

- **ROADMAP** (normal, default 2D map)
- **SATELLITE** (photographic map)
- **HYBRID** (photographic map + roads and city names)
- **TERRAIN** (map with mountains, rivers, etc.)

The map type is specified either within the Map properties object, with the **mapTypeId** property:

**Example:**

```
var mapOptions = {  
  center:new google.maps.LatLng(51.508742,-0.120850),  
  zoom:7,  
  mapTypeId: google.maps.MapTypeId.HYBRID  
};
```

Or by calling the map's **setMapTypeId()** method:

**Example:**

```
map.setMapTypeId(google.maps.MapTypeId.HYBRID);
```

## 6.3. Google Maps – 45° Perspective View

The map types **SATELLITE** and **HYBRID** support a 45° perspective imagery view for certain locations (only at high zoom levels).

If you zoom into a location with 45° imagery view, the map will automatically alter the perspective view. In addition, the map will add:

- A **compass** wheel around the Pan control, allowing you to rotate the image
- A **Rotate control** between the Pan and Zoom controls, allowing you to rotate the image 90°
- A **toggle control** for displaying the 45° perspective view, under the Satellite control/label

**Note:** Zooming out from a map with 45° imagery will revert each of these changes, and the original map is displayed.

The following example shows a 45° perspective view of Palazzo Ducale in Venice, Italy:

**Example:**

```
var mapOptions = {  
  center:myCenter,  
  zoom:18,  
  mapTypeId:google.maps.MapTypeId.HYBRID  
};
```

## 6.4. Google Maps - Disable 45° Perspective View - setTilt(0)

**Example:** You can disable 45° perspective view by calling **setTilt(0)** on the Map object:

```
ap.setTilt(0);
```

**Tip:** To enable 45° perspective view at a later point, call **setTilt(45)**.