

Web Components

HTML



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¿Qué son los Web components?

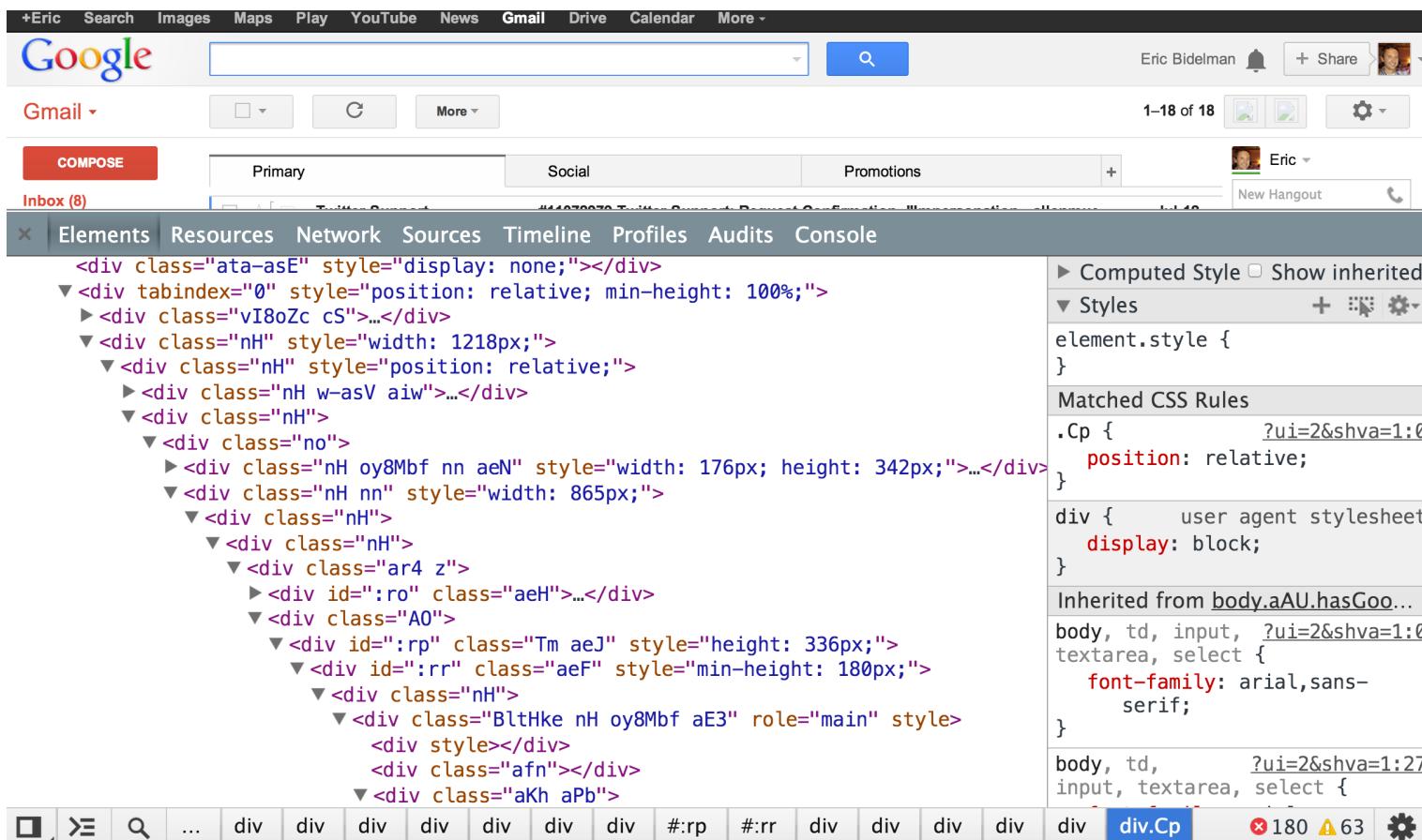
¿Qué son los Web components?

<mi-web-component>

¿Por qué usar web components?

Web Components

¿Por qué usar web components?



The screenshot shows the Google Chrome DevTools Elements tab open over a Gmail inbox page. The DevTools interface includes a top navigation bar with tabs like Elements, Resources, Network, etc., and a sidebar with sections for Computed Style, Styles, Matched CSS Rules, and Inherited from body.aAU.hasGoo... . The main area displays the DOM tree of the Gmail inbox, with nodes colored by class and style rules applied.

Elements

- <div class="ata-asE" style="display: none;"></div>
- <div tabindex="0" style="position: relative; min-height: 100%;">
- <div class="vI8oZc cS">...</div>
- <div class="nH" style="width: 1218px;">
- <div class="nH" style="position: relative;">
- <div class="nH w-asV aiw">...</div>
- <div class="nH">
- <div class="no">
- <div class="nH oy8Mbf nn aeN" style="width: 176px; height: 342px;">...</div>
- <div class="nH nn" style="width: 865px;">
- <div class="nH">
- <div class="nH">
- <div class="ar4 z">
- <div id=":ro" class="aeH">...</div>
- <div class="A0">
- <div id=":rp" class="Tm aeJ" style="height: 336px;">
- <div id=":rr" class="aeF" style="min-height: 180px;">
- <div class="nH">
- <div class="BltHke nH oy8Mbf aE3" role="main" style="<div style></div> <div class="afn"></div>">
- <div class="aKh aPb">

Computed Style □ Show inherited

Styles

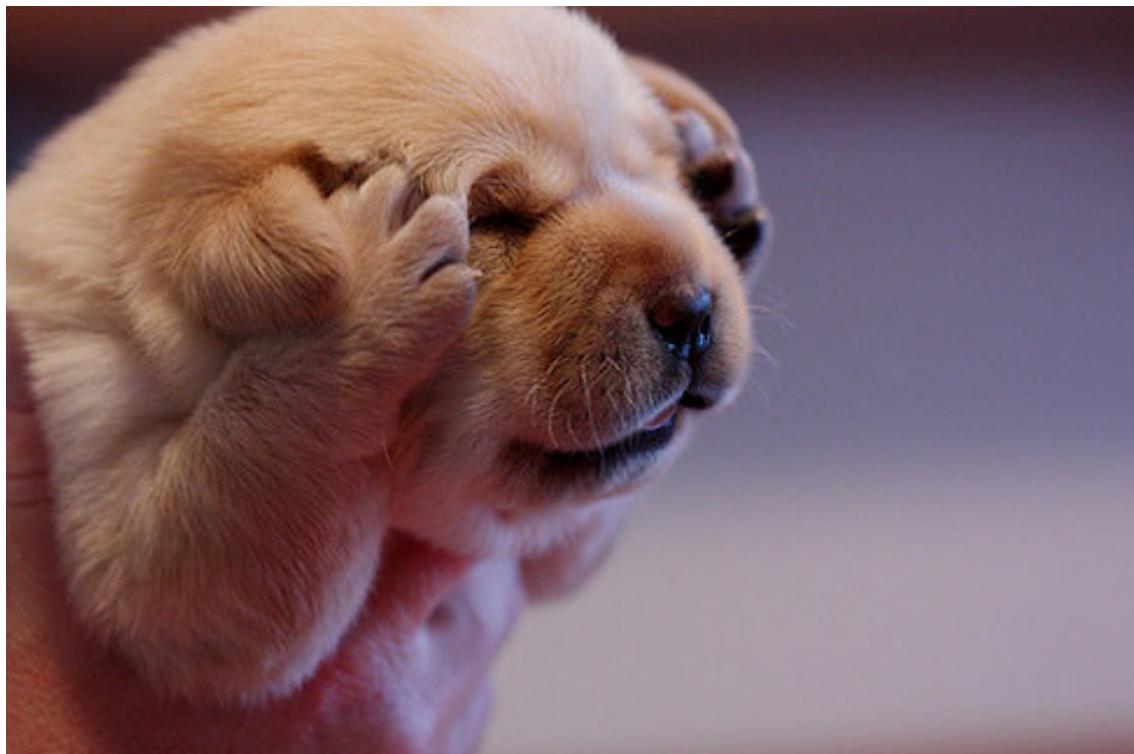
```
element.style { }  
Matched CSS Rules
```

.Cp { ?ui=2&shva=1:0
 position: relative;
}
div { user agent stylesheet
 display: block;
}
Inherited from body.aAU.hasGoo...
body, td, input, ?ui=2&shva=1:0
textarea, select {
 font-family: arial, sans-serif;
}
body, td, ?ui=2&shva=1:27
input, textarea, select {

div.Cp

Web Components

¿Por qué usar web components?



¿Por qué usar web components?

```
<video is="google-castable-video">
  <source src="video.mp4" type="video/mp4">
</video>
```

Web Components

¿Por qué usar web components?



Web Components

¿Compatibilidad con Browsers?

Compatibilidad con Browsers

	CHROME	OPERA	FIREFOX	SAFARI	IE
					
					
					
					

¿Cómo consigo mejor compatibilidad?

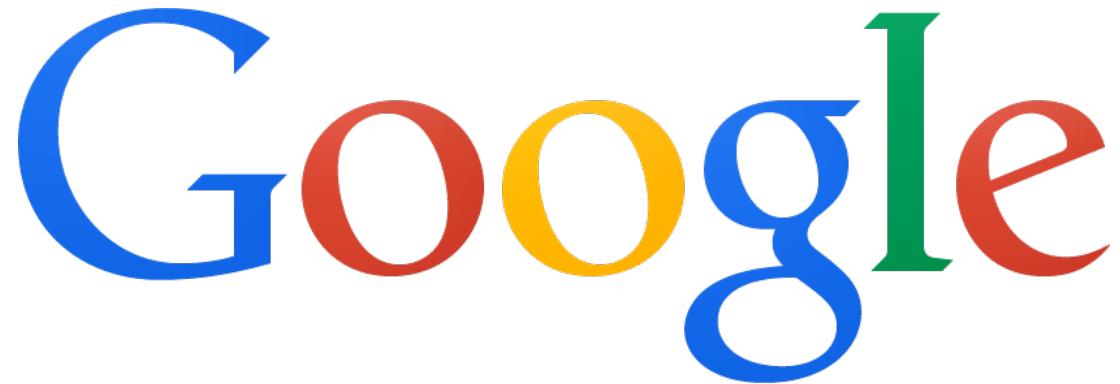
	CHROME	OPERA	FIREFOX	SAFARI	IE
					
					
					
					

¡Polyfills!



**bower install webcomponentsjs
npm install webcomponents.js**

<https://github.com/webcomponents/webcomponentsjs/archive/0.5.4.zip>



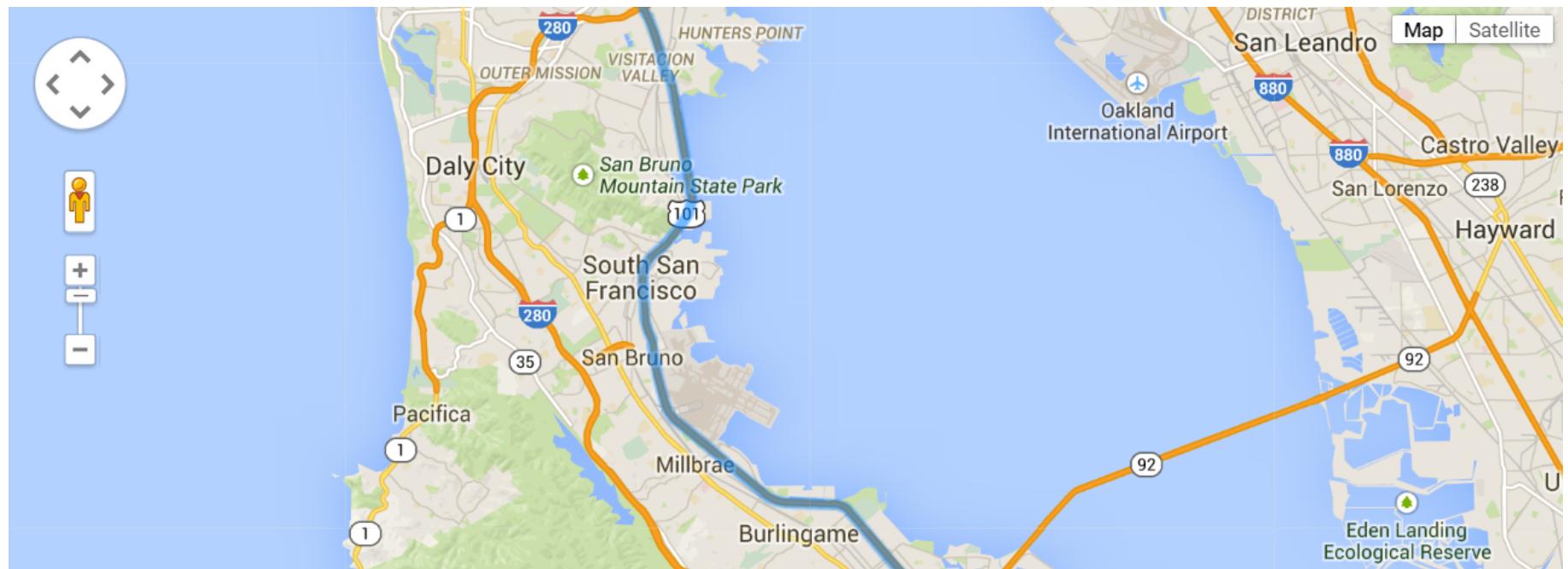
Web Components

<https://googlewebcomponents.github.io/>

Algunos ejemplos...

```
<google-castable-video>
  <google-chart>
    <google-map>
      <google-sheets>
        <google-youtube>
```

<google-map>



<http://googlewebcomponents.github.io/google-map/components/google-map/>

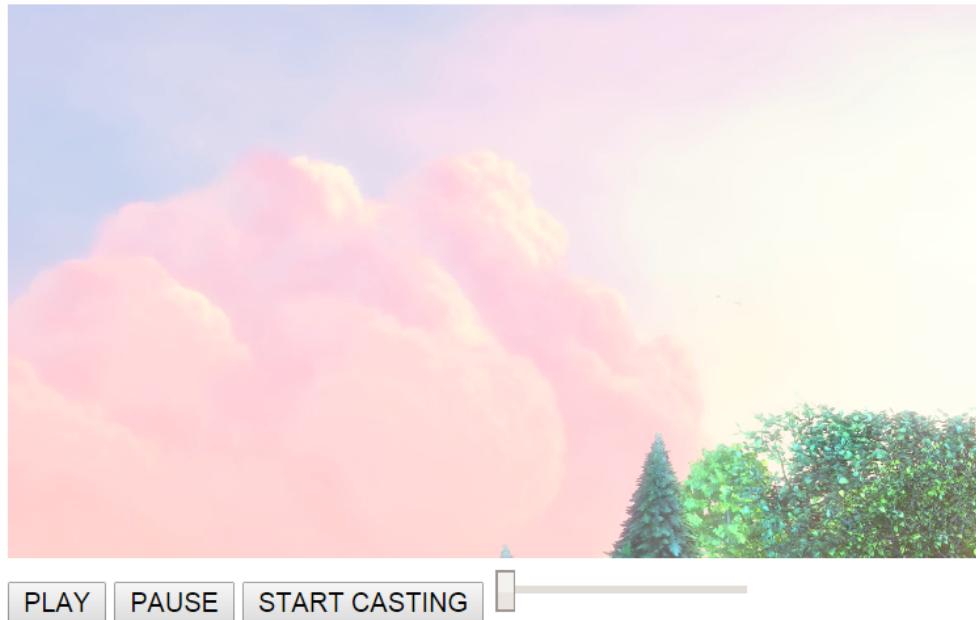
<google-map>

```
<style>
  google-map {
    height: 600px;
  }
</style>
<google-map latitude="37.77493"
longitude="-122.41942"></google-map>
```

<http://googlewebcomponents.github.io/google-map/components/google-map/>

Web Components

<google-castable-video>



<http://googlewebcomponents.github.io/google-castable-video/components/google-castable-video/>

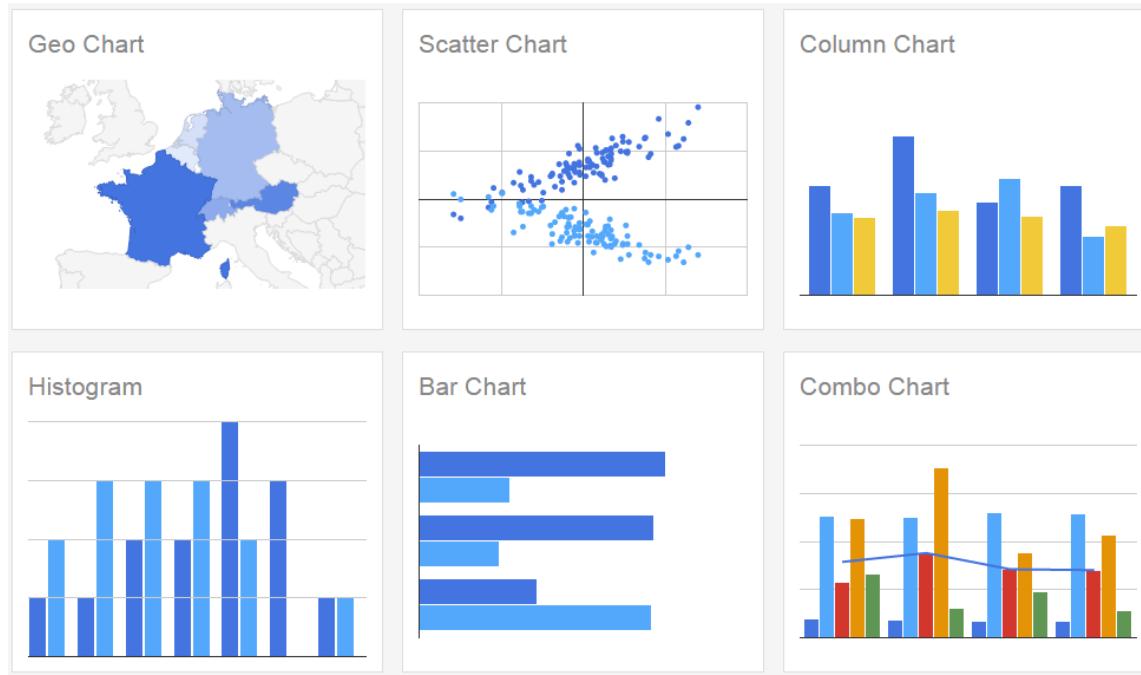
<google-castable-video>

```
<video is="google-castable-video">
  <source src="video.mp4" type="video/mp4">
</video>
```

<http://googlewebcomponents.github.io/google-castable-video/components/google-castable-video/>



<google-chart>



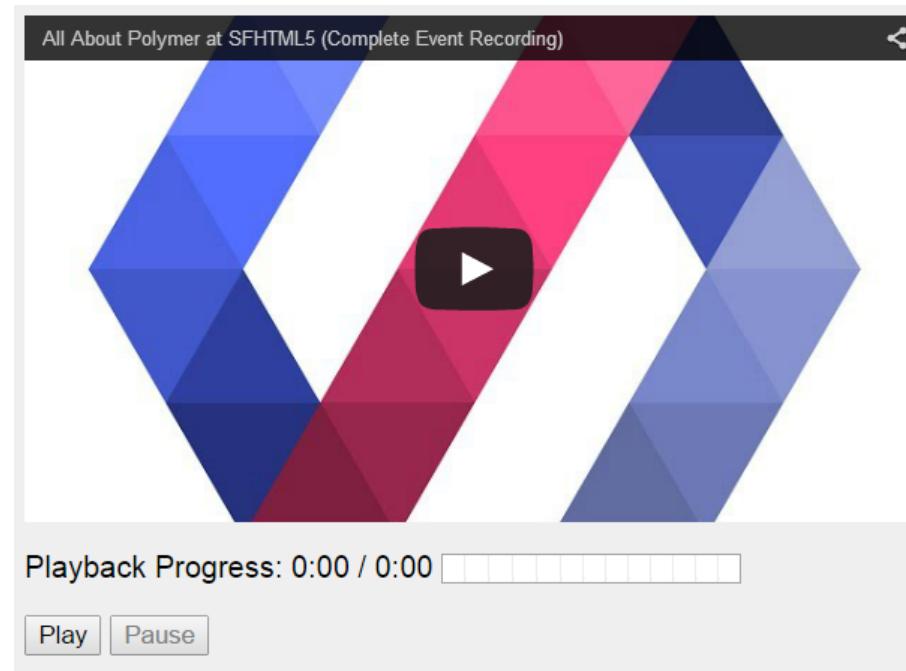
<http://googlewebcomponents.github.io/google-chart/components/google-chart/>

<google-chart>

```
<google-chart
  type='pie'
  options='{"title": "Distribution of days in 2001Q1"}'
  cols='[{"label": "Month", "type": "string"}, {"label": "Days", "type": "number"}]'
  rows='[[["Jan", 31], ["Feb", 28], ["Mar", 31]]]>
</google-chart>
```

<http://googlewebcomponents.github.io/google-chart/components/google-chart/>

<google-youtube>



<http://googlewebcomponents.github.io/google-youtube/components/google-youtube/>

<google-youtube>

```
<google-youtube
  videoId="..."
  height="270px"
  width="480px"
  rel="0"
  start="5"
  autoplay="1">
</google-youtube>
```

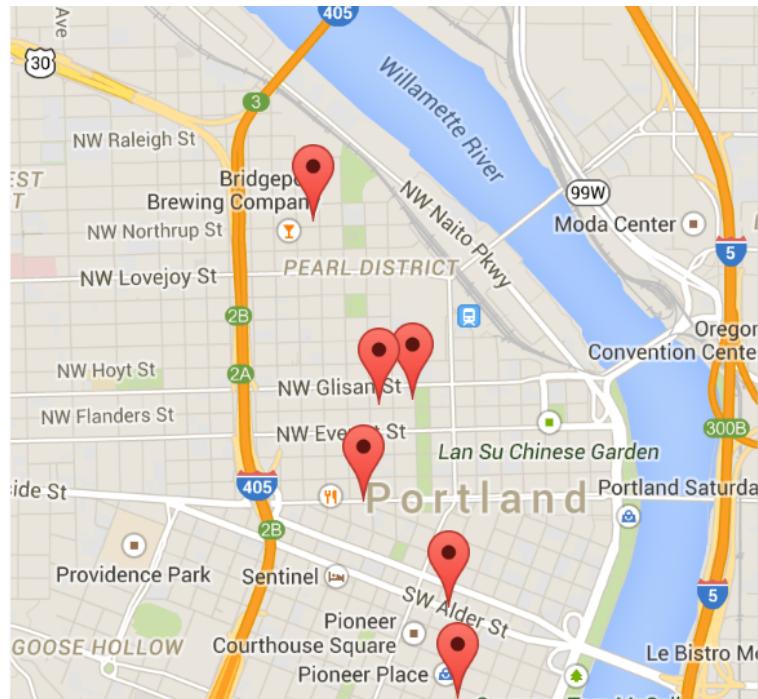
<http://googlewebcomponents.github.io/google-youtube/components/google-youtube/>

<google-sheets>

Spreadsheet rows: "Locations" tab

updated: Sun Jun 01 2014 01:01:00 GMT-0500 (Hora est. Pacifico, Sudamérica), by: ericbidelman

Name: The Nines Hotel (lat: 45.5196674, lng: -122.677732)
Name: Google Portland (lat: 45.516818, lng: -122.6773007)
Name: Pure Pong in the Pearl (lat: 45.5316399, lng: -122.6837364)
Name: Powell's (lat: 45.5229449, lng: -122.6814668)
Name: Nuvrei (lat: 45.525966, lng: -122.680832)
Name: ShopIgniter (lat: 45.5261195, lng: -122.6793216)



<http://googlewebcomponents.github.io/google-sheets/components/google-sheets/>

<google-sheets>

```
<google-sheets
  key="0Anye-JMjUkZZdDBkMV1uMEhZMmFGeHpYdDJJV1FBRWc"  gid="0"
  rows="{{rows}}"
  clientId="...">>
</google-sheets>
```

<http://googlewebcomponents.github.io/google-sheets/components/google-sheets/>

<google-sheets>

```
<google-sheets
  key="0Anye-JMjUkZZdDBkMV1uMEhZMmFGeHpYdDJV1FBRWc" gid="0"
  rows="{{rows}}"
  clientId="...">>
</google-sheets>
<google-map>
  <template repeat="{{row in rows}}">
    <google-map-marker
      latitude="{{row.gsx$lat.$t}}"
      longitude="{{row.gsx$lng.$t}}">
    </template>
  </google-map>
```

<http://googlewebcomponents.github.io/google-sheets/components/google-sheets/>

¿Preguntas?

¡Gracias!

@reicek

gplus: <http://goo.gl/LT6Q1k>

blog: <http://goo.gl/fzwJ5H>

GDE directory: <http://goo.gl/QeB23M>