

Organising your backpacking trip using Google My Maps



What is Google My Maps?

Allows creating custom maps with features:

- Tweaking the base map
- Adding a travel route
- Coloring coding all landmarks, ...



Creating a travel itinerary

- Figuring out the travel routes
- Booking transport tickets (plane, bus, etc.)
- Finding accommodations (hotel, AirBnb, etc.)
- Creating a list of places to visit

Adding new entries - a repetitive process

things to do near Split

Rating at least
Any rating

Diocletian's Palace
4.6 ★★★★★ (24,134)
Tourist Attraction · Dioklecijanova ul. 1
Enormous palace of a Roman emperor

Saint Domnius Cathedral
4.6 ★★★★★ (1,357)
Tourist Attraction · Ul. Kraj Svetog Duje 5
Historic 4th-century Catholic church

Mestrovic Gallery
4.7 ★★★★★ (403)
Tourist Attraction · Šetalište Ivana Meštrovića 46
Museum for the eponymous sculptor
Open until 7:00 PM

Marjan Forest Park

Showing results 1 - 20

Update results when map moves

Croatia
14 views
All changes saved in Drive

Add layer Share Preview

MEDILS - Mediterranean Institute for Life Sciences

MEDILS - Mediterranean Institute for Life Sciences

Split
Import

Add places to this layer by drawing or importing data. [Learn more](#)

Base map

Super public bath
Plaža Za Pse

Šetalište Ivana Meštrovića

Šetalište Ivana Meštrovića

Šetalište Ivana Meštrovića

Šetalište Ivana Meštrovića

Mediteranski institut za istraživanje života

Vila Dalmacija

MEDILS - Mediterranean Institute for Life Sciences

Details from Google Maps
Šetalište Ivana Meštrovića 45, 21000, Split
www.medils.hr
+385 21 555 600
4.5 ★★★★★ [View in Google Maps](#)

+ Add to map

Inspecting the HTML source code

Google

Split

TRAVEL GUIDE THINGS TO DO PLAN A TRIP

Diocletian's Palace
4.6 ★★★★★ (24,099)
Enormous palace of a Roman emperor
This huge, fortress-like palace served as a residence for a Roman emperor & the military garrison.

Saint Domnius Cathedral
4.6 ★★★★★ (1,353)
Historic 4th-century Catholic church
Built in 305 CE, this cathedral dedicated to the city's patron saint has a Romanesque bell tower.

Mestrovic Gallery
4.7 ★★★★★ (402)

Map Satellite

Inspector Console Debugger Style Editor Performance Memory Network Storage Accessibility Adblock Plus

top

Status	Method	Domain	File	Cause	Type	Transferred	Size	Size	Time	Details
200	GET	www.google.com	top... document	html	73.39 KB	288.08 KB	0 ms	503 m		Request URL: https://www.google.com/destination/map/topsights?q=things to do helsinki&client=firefox-b-d&sa=X&biw=1280&bih=602&output=search&dest_mid=m/01g_k34&deat_mid=m/01g_k34tcf5
200	GET	maps.google.com	Au... script	js	509 B	62 B	6.98 s			Request method: GET
200	GET	maps.google.com	Qu... script	js	507 B	59 B	7.71 s			Remote address: 172.217.18.4:443

3 requests | 288.19 KB / 74.38 KB transferred | Finish: 11.62 s | DOMContentLoaded: 1.40 s | load: 5.93 s

Inspecting the HTML source code

```
,["t-k5XbnYnFBaw","iX3Aauj7tQI","r-iX3Aauj7tQI"],["map_data",null,null,null,null,["[[43.5085952999999999,16.4402652]\n,\"0x13355dfe535cfc4f:0x921ac62569576f32\"],\"Diocletian's Palace\", \"Enormous palace of a Roman emperor\",0,\"/m/05yvld\",null,null,\"105279449424915383090\"]\n,[43.5080652,16.440471]\n,\"0x13355dfe2b94401d:0x7d6779ecee88a69f3\", \"Saint Dominus Cathedral\", \"Historic 4th-century Catholic church\",0,\"/m/05h23d2\",null,null,\"9036325235762817523\"]\n,[43.5047873,16.4179387999999999]\n,\"0x1335675e08f2ea77:0x33ab167c03f155a8\", \"Mestrovic Gallery\", \"Museum for the eponymous sculptor\",0,\"/m/0dlj1wsc\",null,null,\"3723094238849750440\"]\n,[43.5024856,16.4468835]\n,\"0x133560a984c2b8b9:0xbff1b505db2fb8eb6\", \"Bacvice Beach\", \"Bustling place with shallow waters\",0,\"/g/121dc79z\",null,null,\"\"]\n,[43.507818,16.4382254]\n,\"0x13355dffbd180851:0xb887852f0deff8e8\", \"Riva\", \"Harbor\",0,\"/g/1td1xlt0\",null,null,\"13296742861978466536\"]\n,[43.5083374999999999,16.4395886]\n,\"0x13355dfe310f186d:0xd9a182950ada09e5\", \"Old Jupiter's Temple\", \"3rd-century Roman temple of Jupiter\",0,\"/g/122rd9f\",null,null,\"15681958954124577253\"]\n,[43.5166666999999999,16.4166667]\n,\"0x13355d8d3d3d0ee1:0x523591b39129f23b\", \"Marjan, Split\", \"Iconic peak for walking \\u0026 city views\",0,\"/m/02vyhq\",null,null,\"\"]\n,[43.5138157999999999,16.4025095]\n,\"0x13355d86f02e5c7f:0xb7b4a224c25bdb9c\", \"Beach Bene\", \"Beach\",0,\"/g/11bv3mlnwf\",null,null,\"13237383483512052636\"]\n,[43.5109755,16.4373172]\n,\"0x13355dffce2eabe481:0xbd6c6c3105f66fb68\", \"Croatian National Theater in Split\", \"Theatre and opera\",0,\"/m/0gtw9p9\",null,null,\"13674831793644567400\"]\n,[43.5086881999999999,16.4407879999999999]\n,\"0x13355e009eea2e89:0x439847fe15a0dedc\", \"Split City Museum\", \"Museum with art, weapons \\u0026 armor\",0,\"/g/120n81kw\",null,null,\"4870730399948529372\"]\n,[43.5158877,16.435084]\n,\"0x13355dfcad5231e9:0xd4448389e736d0b\", \"Archaeological Museum\", \"Archeological museum in villa-like digs\",0,\"/g/112yg20cy\",null,null,\"15295494862891347211\"]\n,[43.5094335,16.4106153]\n,\"0x1335676208dd5985:0xae7b95a97eeff503\", \"Marjan Forest Park\", \"Hillside park with forests \\u0026 trails\",0,\"/g/11ksfxm0\",null,null,\"5655278312305456387\"]\n,[43.5034,16.4759259999999999]\n,\"0x13355e28e44fc85:0x93eaf7d44452e46d\", \"Žnjan City Beach\", \"Beach\",0,\"/g/11c2nbszy9\",null,null,\"10658603959177110637\"]\n,[43.508970200000001,16.4384707]\n,\"0x13355dfe4188080d:0x9399e5a230d5fc89\", \"Narodni trg\", \"\",0,\"/g/1td8wcp\",null,null,\"\"]\n,[43.5090211,16.4405866]\n,\"0x13355e00a76cf181:0xfafa644ddc5b2d92\", \"Golden Gate\", \"Landmark gate from 4th century CE\",0,\"/g/122tcwf\",null,null,\"18084887434836520338\"]\n,[43.5101,16.438040300000004]\n,\"0x13355dfe7bee022f:0x715d25f44358246b\", \"Froggyland\", \"Unique attraction with stuffed frogs\",0,\"/g/11b7vtgh9v\",null,null,\"8165824319454717035\"]\n,[43.5033975,16.4133235]\n,\"0x13356766ebd18529:0x4c416b652e6f89fa\", \"Meštrovićeve Crikvine - Kaštilac\", \"Renaissance-era mansion filled with art\",0,\"/g/11b6gr_xrn\",null,null,\"5494873909653113338\"]\n,[43.5073435,16.4412783999999999]\n,\"0x13355e00878da6c1:0xe697c233b47075ea\", \"Green Market - Pazar\", \"\",0,\"/g/11b8_gc9g7\",null,null,\"7969051592981771754\"]\n,[43.5043828,16.4223289]\n,\"0x1335675eb707b751:0x313d99e516ee4489\", \"Museum of Croatian Archaeological Monuments\", \"Cultural artifacts dating to Middle Ages\",0,\"/m/0h_dfrp\",null,null,\"3548161290649093257\"]\n,[43.4833333,16.4333333]\n,\"0x13356736b66c4419:0x10919691d2610d8c\", \"Trajektna Luka Split\", \"Harbor\",0,\"/m/0h7q_lg\",null,null,\"\"]\n,[43.5075593,16.4401665999999999]\n,\"0x13355dffdd2336861:0x16fb93c4dbf31860\", \"Split Ethnographic Museum\", \"Museum of traditional Da'lmatian culture\",0,\"/g/122czlc9\",null,null,\"1656079761701804128\"]\n,[43.5101337,16.4402650999999999]\n,\"0x13355dfe03a6a71d:0x4710d83169077480\", \"Gallery of Fine Arts, Split\", \"Croatian \\u0026 European art gallery\",0,\"/m/odr_t3p\",null,null,\"5120830483047347328\"]\n,[43.5007351,16.4543447999999999]\n,\"0x133560a6c4c2023e7:0xe6084fcdcf951a291\", \"Firule Beach\", \"Low-key beach with shallow water\",0,\"/g/121hf61v\",null,null,\"\"]\n,[43.5081354999999999,16.4385723999999999]\n,\"0x13355dfe4fcfe719:0x6ee9ed6e55a0172\", \"Fruit Square\", \"\",0,\"/g/11c5s9q2v\",null,null,\"7992180071879803250\"]\n,[43.5090388,16.4385087]\n,\"0x13355dfe2ec9fadd:0xe28ed8f969d2c8b4\", \"People's Square or Pjaca\", \"\",0,\"/g/11hf45khrq\",null,null,\"3380190086075435188\"]\n,[43.5080752,16.4411901999999999]\n,\"0x13355e0084e345e7:0x448506709bd2434\", \"Silver Gate\", \"Palace and architecture\",0,\"/g/11btxhrtg4\",null,null,\"496080339023845428\"]\n,[43.5072016999999999,16.4431224]\n,\"0x13355e005c9bb8bc:0xda359cf65b2ec041\", \"Prirodoslovni Muzej I Zoološki VRT - Split\", \"Compact zoo \\u0026 natural history museum\",0,\"/m/03qpbxm\",null,null,\"15723646255939633217\"]\n,[43.5089423,16.4473704]\n,\"0x13355e03f8aa1109:0x7e5d485bcb83f9c\", \"Croatian Maritime Museum\", \"Maritime museum with a ship \\u0026 exhibits\",0,\"/g/112yfk79\",null,null,\"9105513580713230236\"]\n,[43.5077274,16.4396144]\n,\"0x13355dffcc0ec63:0x332b847c94b588\", \"Diocletian's Palace - cellars\", \"History and architecture\",0,\"/g/122pwn_5\",null,null,\"3687186391207556488\"]\n,[43.5083660999999999,16.4354109]\n,\"0x13355dff206d0743:0x9b14d65a7529d03f\", \"The church and monastery of St. Frane, Split\", \"\",0,\"/g/11wdkzddt\",null,null,\"11174792259414118463\"]\n,[43.504042,16.4454492]\n,\"0x133560aa0ac4c879:0x8f86431d9db2eb1b\", \"Bačvice\", \"\",0,\"/g/11fhvkh8c4\",null,null,\"\"]\n,[43.5094321,16.440838]\n,\"0x13355e00a89ddcf9:0x74fd1a2b4c6d0e78\", \"Gregory of Nin\", \"\",0,\"/g/11dxkw6yq0\",null,null,\"8429922850775567992\"]\n,[43.1541875,16.6527098999999999]\n,\"0x134a89b7924b652d:0xf175fc329762be6\", \"Hvar\", \"Adriatic resort island \\u0026 historic port\",0,\"/m/0545j2\",null,null,\"\"]\n,[43.5101772999999999,16.4408281]\n,\"0x13355dfe0466fc77:0x4d03d4e8d6eaf4d8\", \"Live Museum Split\", \"Museum\",0,\"/g/11crzkwbpy\",null,null,\"5549513262353806552\"]\n,[43.507207,16.4351853999999999]\n,\"0x13355dff49a46b59:0x4dfb5177f9f838d2\", \"Matejuška\", \"Fishing\",0,\"/g/11b806_db\",null,null,
```

A better approach...



Google Maps API

Points of interest query

```
https://maps.googleapis.com/maps/api/place/textsearch/json?query=things+to+do+split&language=en&key=API_KEY
```

JSON response

```
▼ results:
  ▼ 0:
    formatted_address: "Dioklecijanova ul. 1, 21000, Split, Croatia"
    ▼ geometry:
      ▼ location:
        lat: 43.5085953
        lng: 16.4402652
      ▼ viewport:
        ▼ northeast:
          lat: 43.50993357989272
          lng: 16.44165272989272
        ▼ southwest:
          lat: 43.50723392010728
          lng: 16.43895307010728
    ▼ icon: "https://maps.gstatic.com/mapfiles/place_api/icons/generic_business-71.png"
    id: "a7392592d9ca3c1342164bec9c430a92bdc672cd"
    name: "Diocletian's Palace"
```

Using Python for parsing the response

```
14 # Fetch the data.
15 places = requests.get(f'https://maps.googleapis.com/maps/api/place/textsearch/json?query={args.query}&language=en&key=
16
17 # Convert the response to a JSON object.
18 places = json.loads(places.text)['results']
19 print(len(places))
20 # Create chunks of the arrays (with maximum 10 elements each).
21 places = np.array_split(places, np.ceil(len(places) / 10))
22 print(len(places))
23
24 # Make the filename more readable, as this will appear as the layer title in Google My Maps.
25 query = args.query.split(' ')
26 query = ' '.join([q.capitalize() for q in query])
27
28 columns = ['names', 'coordinates', 'icon']
29 for i, places_chunk in enumerate(places):
30     filename = f'{query}-{i}.csv'
31     with open(f'places/{filename}', 'w') as out_file:
32         writer = csv.writer(out_file, delimiter=',')
33         writer.writerow(columns)
34         for place in places_chunk:
35             name = place['name']
36             icon = place['icon']
37             lat, lng = place['geometry']['location']['lat'], place['geometry']['location']['lng']
38             data = [name, (lat, lng), icon]
39             print(f'{filename} -> {data}')
40             writer.writerow(data)
```


End result - a CSV file

```
$ ./fetch-google-maps.py "libraries in split"
```

	A	B
1	names	coordinates
2	City library <u>Marko Marulić Split - Central Library</u>	(43.5054175, 16.4482639)
3	<u>University of Split Library</u>	(43.5109853, 16.4680552)
4	<u>Gradska Knjiznica Marka Marulica Split</u>	(43.51619059999999, 16.4329559)
5	<u>GKMM - Library Bol-Plokite</u>	(43.5124617, 16.4450777)
6	<u>City Library Marko Marulic, Child Department</u>	(43.508463, 16.4426577)
7	<u>GRADSKA KNJIZNICA MARKA MARULIĆA, KNJIZNICA TRSTENIK</u>	(43.5082409, 16.4748893)
8	<u>Sveučilišna knjižnica u Splitu</u>	(43.51009680000001, 16.4416628)

Importing in Google My Maps

The screenshot shows the Google My Maps interface with a dialog box titled "Choose a file to import". The dialog has three tabs: "Upload" (selected), "Google Drive", and "Photo albums". The main area of the dialog is a dashed box containing the text "Drag a CSV, XLSX, KML or GPX file here". Below this text is a link "Or, if you prefer..." and a button "Select a file from your device". At the bottom of the dialog are "Select" and "Cancel" buttons. The background shows a map of Croatia with a layer named "MEDILS - Mediterranean Ins" and an "Import" button.

The screenshot shows a dialog box titled "Choose columns to position your placemarks". The text inside reads: "Select the columns from your file that tell us where to put placemarks on the map, such as addresses or latitude-longitude pairs. All columns will be imported." Below the text is a list of columns with checkboxes and question marks:

- names ?
- coordinates (Latitude,Longitude) ?
- icon ?

At the bottom of the dialog are "Continue", "Back", and "Cancel" buttons.

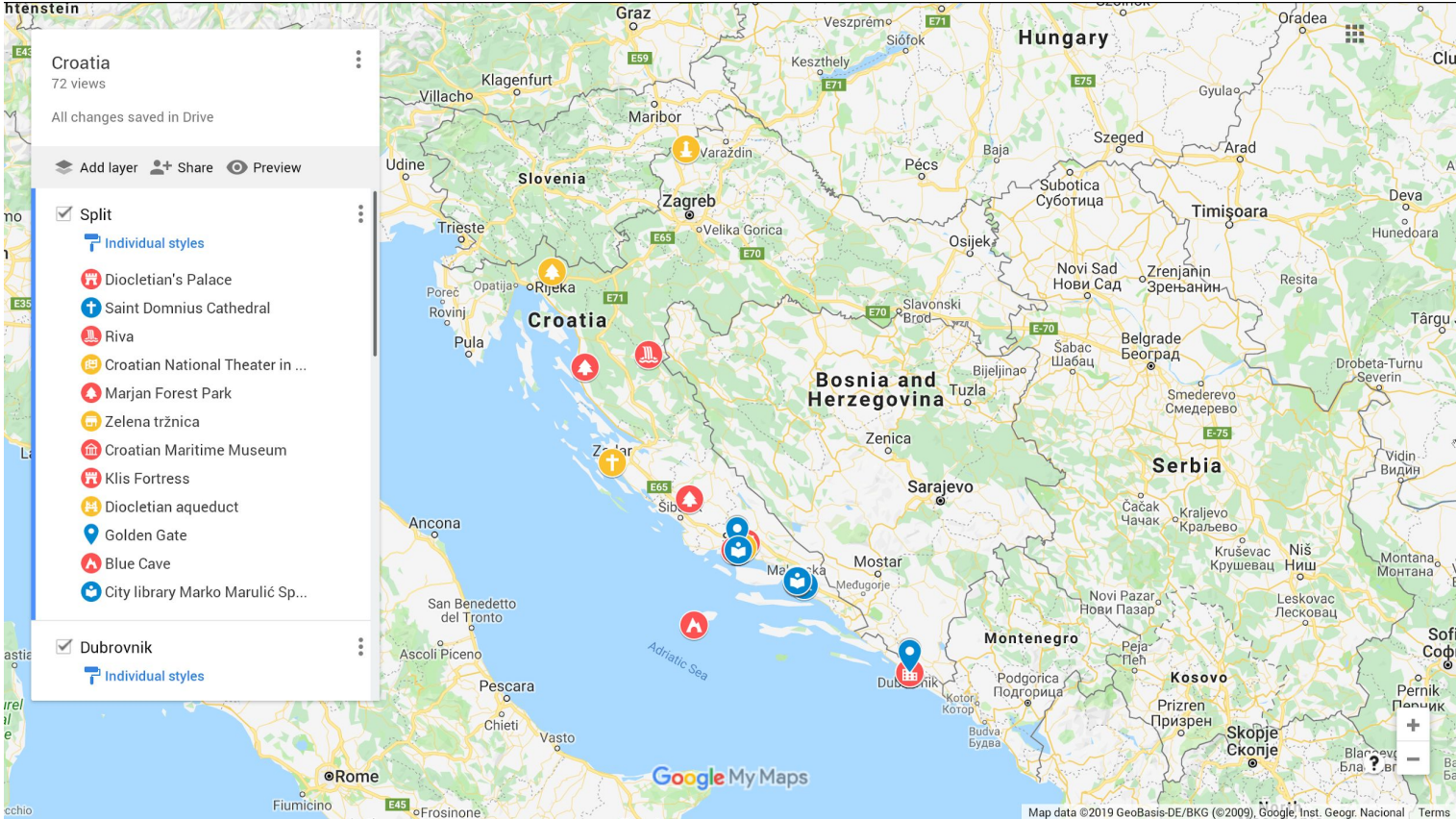
Result

The image shows a Google My Maps interface for a map of Split, Croatia. The sidebar on the left contains the following information:

- Croatia
18 views
- All changes saved in Drive
- Map controls: Add layer, Share, Preview
- Selected map: Split
- Individual styles
- List of markers:
 - Diocletian's Palace
 - Marjan Forest Park
 - Saint Domnius Cathedral
 - Mestrovic Gallery
 - Split Ethnographic Museum
 - Beach Bene
 - Žnjan City Beach
 - Froggyland
 - Zelena tržnica
 - Archaeological Museum
- Base map

The map itself shows the city of Split with various districts labeled: VAROŠ, SPINUT, POLJUD, LOVRET, SPLIT, GRIPE, PUJANKE, VISOKA, and ŽNJAN. Landmarks like 'Stadium Stadion Poljud' and 'Mall of Split' are also visible. The map includes a search bar, navigation tools, and a Google My Maps logo at the bottom.

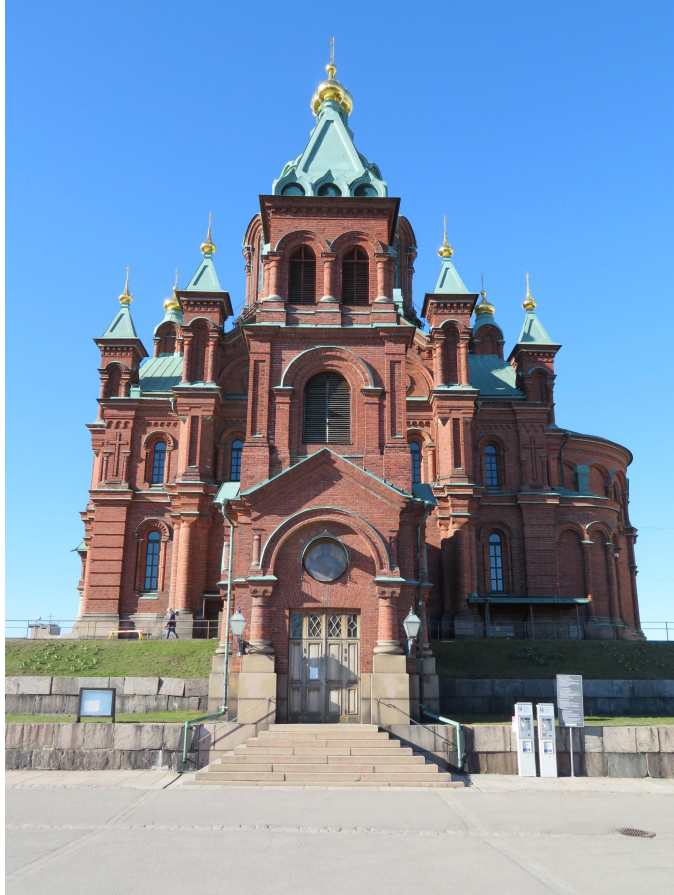
Improvements



Nordkjosbotn, Norway



Helsinki, Finland



Cartagena, Spain



Murten, Switzerland



Dubrovnik, Croatia



Split, Croatia



References

- <https://stackoverflow.com/questions/37874018/retrieve-points-of-interests-attractions-tourist-places-of-a-place-country-usi>
- <https://www.assortedstuff.com/stuff/building-a-my-maps-project-using-a-spreadsheet>

Source code:

- <https://gist.github.com/adl1995/a66fa3532364ff87aaaec72be332abe7>

Happy travelling!

Questions?