

WEB SERVIS

API (Application Programming Interface) je skup specifikacija kojima se služe programeri kako bi komunicirali i interaktirali sa ostalim aplikacijama. U našem slučaju, bit će nam potrebne vrijednosti valuta kako bismo omogućili korisnicima da konvertuju valute. Da bismo to postigli, treba nam API web servisa [fixer.io](#), koji nam to može ponuditi. Pošto sad za sad ne mislimo prikazivati vrijednosti real-time valuta, jedini endpoint koji ćemo koristiti je Convert endpoint. U nastavku je oficijelna dokumentacija tog endpointa u kojem su objašnjeni parametri i povratna vrijednost.

Convert Endpoint

The Fixer API comes with a separate currency conversion endpoint, which can be used to convert any amount from one currency to another. In order to convert currencies, please use the API's `convert` endpoint, append the `from` and `to` parameters and set them to your preferred base and target currency codes.

It is also possible to convert currencies using historical exchange rate data. To do this, please also use the API's `date` parameter and set it to your preferred date. (format `YYYY-MM-DD`)

API Request:

```
https://data.fixer.io/api/convert
```

```
? access_key = API_KEY
```

```
& from = GBP
```

```
& to = JPY
```

```
& amount = 25
```

Request Parameters:

Parameter	Description
<code>access_key</code>	[required] Your API Key.
<code>from</code>	[required] The three-letter currency code of the currency you would like to convert from.
<code>to</code>	[required] The three-letter currency code of the currency you would like to convert to.
<code>amount</code>	[required] The amount to be converted.
<code>date</code>	[optional] Specify a date (format <code>YYYY-MM-DD</code>) to use historical rates for this conversion.

API Response:

```
{
  "success": true,
  "query": {
    "from": "GBP",
    "to": "JPY",
    "amount": 25
  },
  "info": {
    "timestamp": 1519328414,
    "rate": 148.972231
  },
  "historical": ""
  "date": "2018-02-22"
  "result": 3724.305775
}
```

Response Objects:

Response Object	Description
success	Returns true or false depending on whether or not your API request has succeeded.
query > from	Returns the three-letter currency code of the currency converted from.
query > to	Returns the three-letter currency code of the currency converted to.
query > to	Returns the amount that is converted.
info > timestamp	Returns the exact date and time (UNIX time stamp) the given exchange rate was collected.
info > rate	Returns the exchange rate used for your conversion.
historical	Returns true if historical rates are used for this conversion.
date	Returns the date (format YYYY-MM-DD) the given exchange rate data was collected.

Response Object	Description
result	Returns your conversion result.