

# Currency Exchange App

This document is to introduce 2 API for currency exchange.

## 1. Top moving cryptos API

### 1.1 Introduction

An API to list all cryptocurrencies with more than +5% or less than -5% change over the last 24 hours.

For example: If BTC has +6%, ETH has +2% and BNB has -6%, the API should only return BTC and BNB.

### 1.2 API details

HTTP method: GET

URL: <http://ya127704624.ultimatefreehost.in/currency-exchange/api.php>

Parameter1 key: type

Parameter1 value: 1

(all parameters are required)

Example: <http://ya127704624.ultimatefreehost.in/currency-exchange/api.php?type=1>

### 1.3 API response

data ^

Array of cryptocurrency objects matching the list options.

Array [

id	integer The unique CoinMarketCap ID for this cryptocurrency.
name	string The name of this cryptocurrency.
symbol	string The ticker symbol for this cryptocurrency.
slug	string The web URL friendly shorthand version of this cryptocurrency name.
cmc_rank	integer The cryptocurrency's CoinMarketCap rank by market cap.
num_market_pairs	integer The number of active trading pairs available for this cryptocurrency across supported exchanges.
circulating_supply	number The approximate number of coins circulating for this cryptocurrency.
total_supply	number The approximate total amount of coins in existence right now (minus any coins that have been verifiably burned).
market_cap_by_total_supply	number The market cap by total supply. <i>This field is only returned if requested through the <code>aux</code> request parameter.</i>
max_supply	number The expected maximum limit of coins ever to be available for this cryptocurrency.
last_updated	string <date> Timestamp (ISO 8601) of the last time this cryptocurrency's market data was updated.
date_added	string <date> Timestamp (ISO 8601) of when this cryptocurrency was added to CoinMarketCap.
tags	Array of tags associated with this cryptocurrency. Currently only a mineable tag will be returned if the cryptocurrency is mineable. Additional tags will be returned in the future.

self_reported_circulating_supply	number The self reported number of coins circulating for this cryptocurrency.
self_reported_market_cap	number The self reported market cap for this cryptocurrency.
<b>platform</b> ^	Metadata about the parent cryptocurrency platform this cryptocurrency belongs to if it is a token, otherwise null.

id	integer The unique CoinMarketCap ID for the parent platform cryptocurrency.
name	string The name of the parent platform cryptocurrency.
symbol	string The ticker symbol for the parent platform cryptocurrency.
slug	string The web URL friendly shorthand version of the parent platform cryptocurrency name.
token_address	string The token address on the parent platform cryptocurrency.

## quote ^

A map of market quotes in different currency conversions. The default map included is USD.

### \$key ^

A market quote in the currency conversion option.

price	number Price in the specified currency for this historical.
volume_24h	number Rolling 24 hour adjusted volume in the specified currency.
volume_change_24h	number 24 hour change in the specified currencies volume.
volume_24h_reported	number Rolling 24 hour reported volume in the specified currency. <i>This field is only returned if requested through the <code>aux</code> request parameter.</i>
volume_7d	number Rolling 7 day adjusted volume in the specified currency. <i>This field is only returned if requested through the <code>aux</code> request parameter.</i>
volume_7d_reported	number Rolling 7 day reported volume in the specified currency. <i>This field is only returned if requested through the <code>aux</code> request parameter.</i>
volume_30d	number Rolling 30 day adjusted volume in the specified currency. <i>This field is only returned if requested through the <code>aux</code> request parameter.</i>
volume_30d_reported	number Rolling 30 day reported volume in the specified currency. <i>This field is only returned if requested through the <code>aux</code> request parameter.</i>
market_cap	number Market cap in the specified currency.
market_cap_dominance	number Market cap dominance in the specified currency.
fully_diluted_market_cap	number Fully diluted market cap in the specified currency.
percent_change_1h	number 1 hour change in the specified currency.
percent_change_24h	number 24 hour change in the specified currency.

└─ percent\_change\_7d

number

7 day change in the specified currency.

└─ last\_updated

string <date>

Timestamp (ISO 8601) of when the conversion currency's current value was referenced.

#### 1.4 API reference

<https://coinmarketcap.com/api/documentation/v1/#operation/getV1CryptocurrencyListingsLatest>

## 2. Top moving cryptos in foreign currency API

### 2.1 Introduction

An API to convert price from USD to a specific currency based on user Input.

For example: If a user requests to display the price in JPY. 1 BTC in USD\$45000 should be converted to JPY\$5,487,570.

### 2.2 API details

HTTP method: GET

URL: <http://ya127704624.ultimateguest.in/currency-exchange/api.php>

Parameter1 key: type

Parameter1 value: 2

Parameter2 key: symbol

Parameter2 value: [the cryptocurrency symbol]

Parameter3 key: currency

Parameter3 value: [the currency code] (refer to [cryptocurrency/map](#))

(all parameters are required)

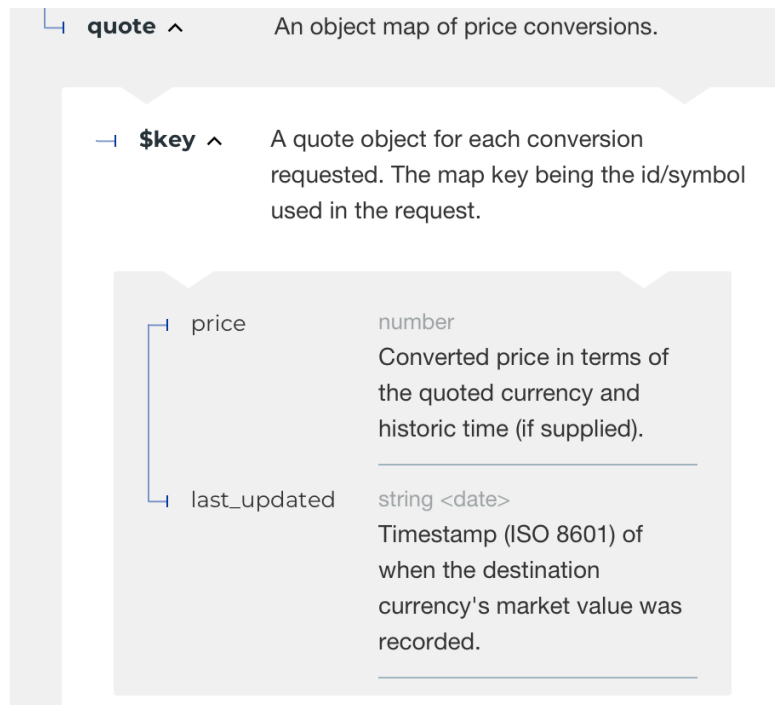
Example: <http://ya127704624.ultimateguest.in/currency-exchange/api.php?type=2&symbol=BTC&currency=JPY>

### 2.3 API response

data ^

Results object for your API call.

id	integer The unique CoinMarketCap ID for your base currency.
name	string The name of your base currency.
symbol	string The symbol for your base currency.
amount	number Amount of base currency to convert from.
last_updated	string <date> Timestamp (ISO 8601) of when the referenced market value of the base currency was recorded.



## 2.4 API reference

<https://coinmarketcap.com/api/documentation/v1/#operation/getV2ToolsPriceconversion>