Bildinhaltliche Tendenzen von NFT-Kunst in Korrelation zum wirtschaftlichen Erfolg auf OpenSea

Kurs: Einführung in die Digital Humanities WS 22/23

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Clone X – X Takashi Murakami, CloneX #1407, 2022/
Ongoing Auction until 8. Dec. 2022

Current price

7,36 ETH

$9.380,03

Inhalt

- The NFT Online Marketplace
- Idee
- Vorgehen
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The NFT Online Marketplace

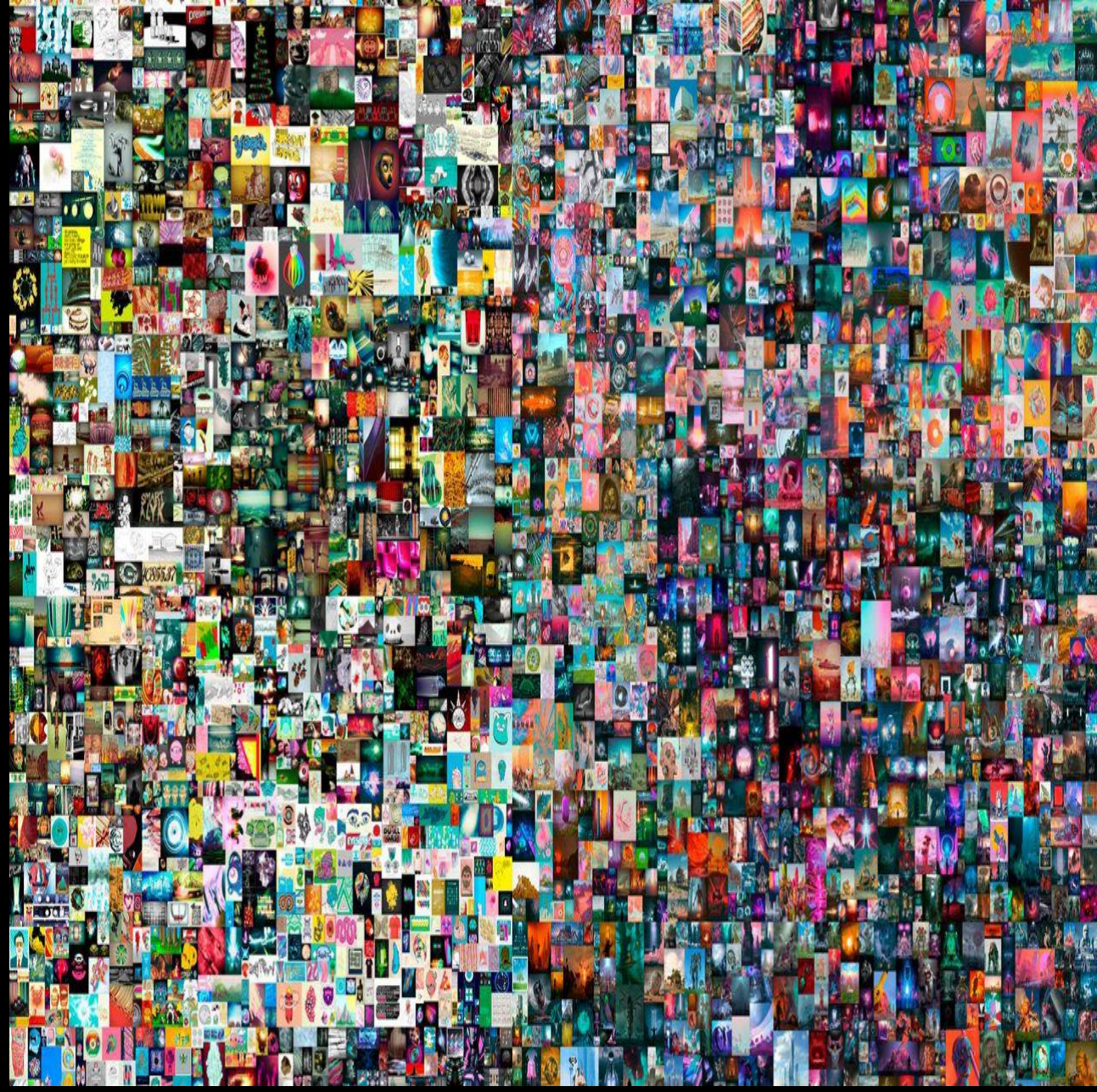
- kryptografisch eindeutiges, unteilbares, unersetzbares und überprüfbares Token
- Repräsentation in einer Blockchain
- Erstmals in der Games-Branche benutzt

(Foteini 2021)

The NFT Online Marketplace

- Virtueller/s Marktplatz/Auktionshaus
- Gegründet am 20. Dezember 2017
- Es wird hauptsächlich in Cryptocurrency (fast immer Ethereum ETH) gehandelt
- Setzt ein Krypto-Wallet voraus
- Über 80 Mio NFTs & 1 Mio User

OpenSea



Mike Winkelmann (aka beeple), Everydays: the First 5000 Days, 2021, digital(jpeg), 21,069 x 21,069 pixel

Beeple, BULL RUN #132/271, 2021

20 ETH
$25.489,20

Clone X – X Takashi Murakami, CloneX #1407, 2022

7,36 ETH
$9.380,03

Snoop Dog, Doggy #1990, 2022

0,095 ETH
$121,07

Damien Hirst, Ride off into space, 2021

4,4 ETH
$5.607,62

Bildinhaltliche Tendenzen von NFT-Kunst in Korrelation zum wirtschaftlichen Erfolg auf OpenSea

Collection stats

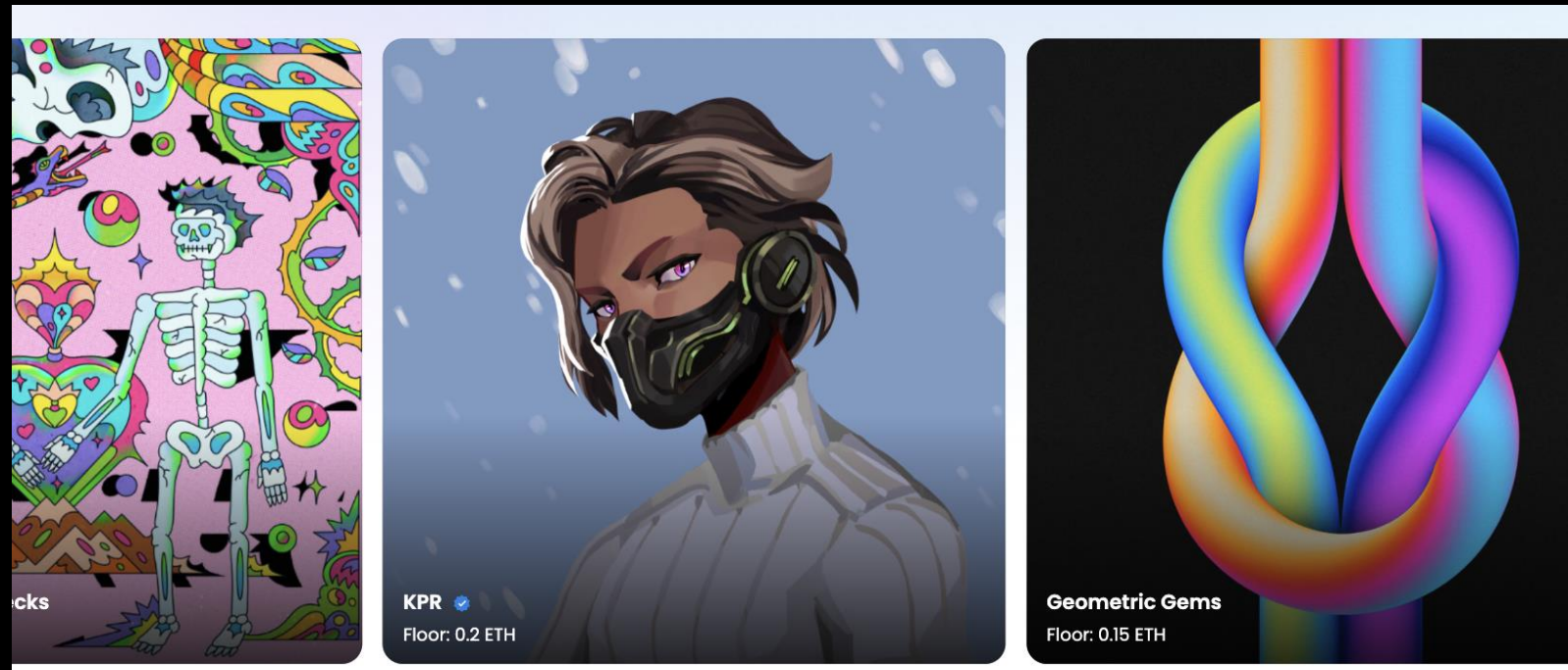
Top Trending Watchlist

Art | All chains | 1h 6h 24h 7d 30d All

	COLLECTION	VOLUME	% CHANGE	FLOOR PRICE	SALES	% UNIQUE OWNERS	% ITEMS LISTED
1	CryptoPunks	847 ETH	+334%	—	12	37% 3.658 owners	0% 0 of 9.998
2	Bored Ape Yacht Club	227 ETH	+51%	68.90 ETH	3	64% 6.421 owners	7% 660 of 9.998
3	Cel Mates by Mcbess	212 ETH	—	0.45 ETH	272	51% 962 owners	29% 552 of 1.876
4	Cel Mates Crime Reports	203 ETH	+169%	0.68 ETH	271	30% 1.247 owners	4% 151 of 4.207
5	Abstraction by anon	126 ETH	-49%	1.58 ETH	81	71% 237 owners	32% 108 of 333
6	Light Years by Dmitri Cherniak - Selection Pass	92 ETH	-83%	27.70 ETH	3	76% 74 owners	18% 18 of 98
7	The Memes by 6529	81 ETH	+6%	0.25 ETH	205	16% 4.548 owners	—
8	Friendship Bracelets by Alexis André	57 ETH	+10%	0.28 ETH	128	37% 9.262 owners	6% 1.489 of 25.320
9	Non-Fungible Moons	50 ETH	—	0.19 ETH	369	53% 272 owners	20% 104 of 513

Vorgehen

Web Scraping
With Python


KPR
Floor: 0.2 ETH
Geometric Gems
Floor: 0.15 ETH

Fragen

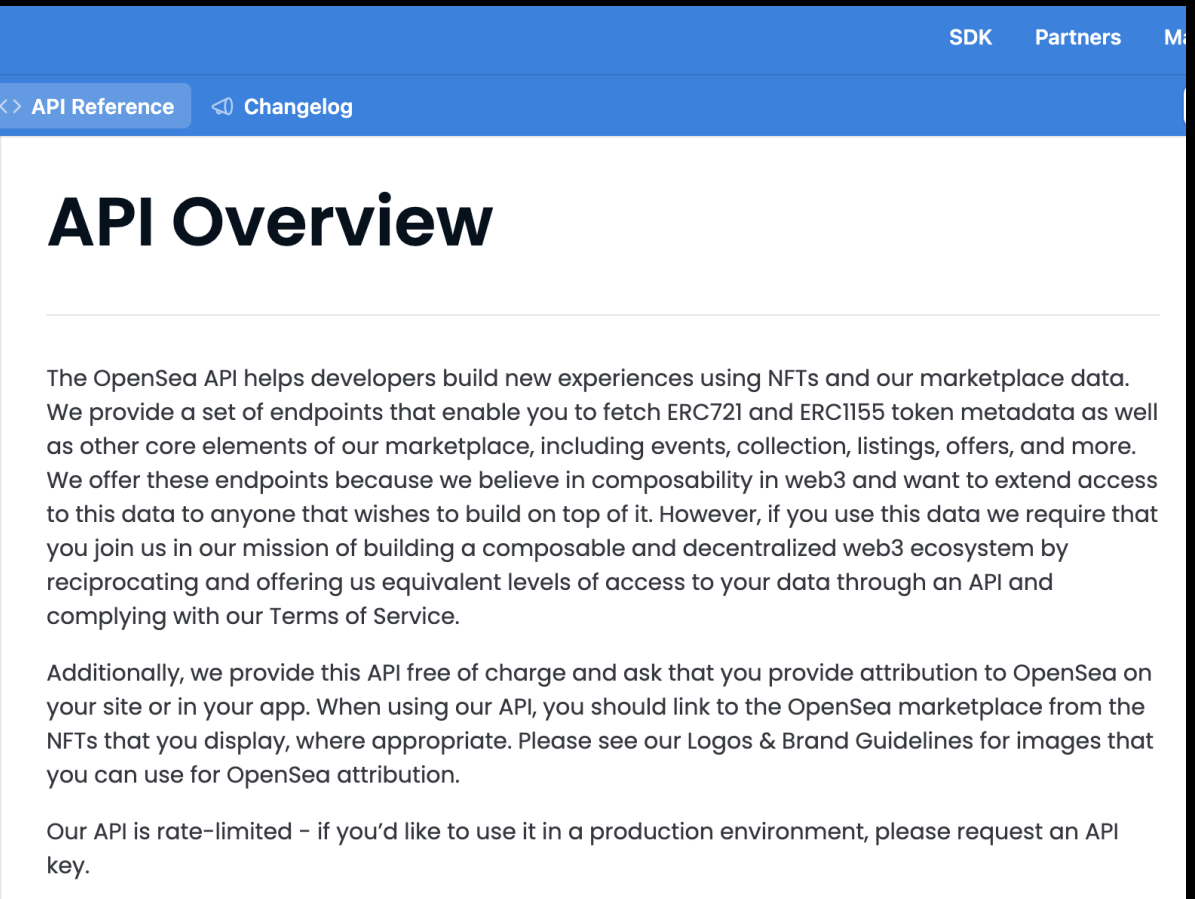
thirteen_, The Question, 2022/ Ongoing Auction until 25. Dec. 2022

Minimum bid -- Reserve price not met.

0,13 WETH

$158,05

Wie bekommen wir eine API für Opensea? Was wären die Alternativen?




```python
#Opensea's homepage
os_url = 'https://opensea.io/'
os_rankings_url = 'https://opensea.io/rankings'

# Use requests to retrieve data from a given URL
os_response = requests.get(os_rankings_url)

# Parse the whole HTML page using BeautifulSoup
os_soup = BeautifulSoup(os_response.text, 'html.parser')

# Title of the parsed page
print(os_soup.title)

# We can also get it without the HTML tags
print(os_soup.title.string)
```

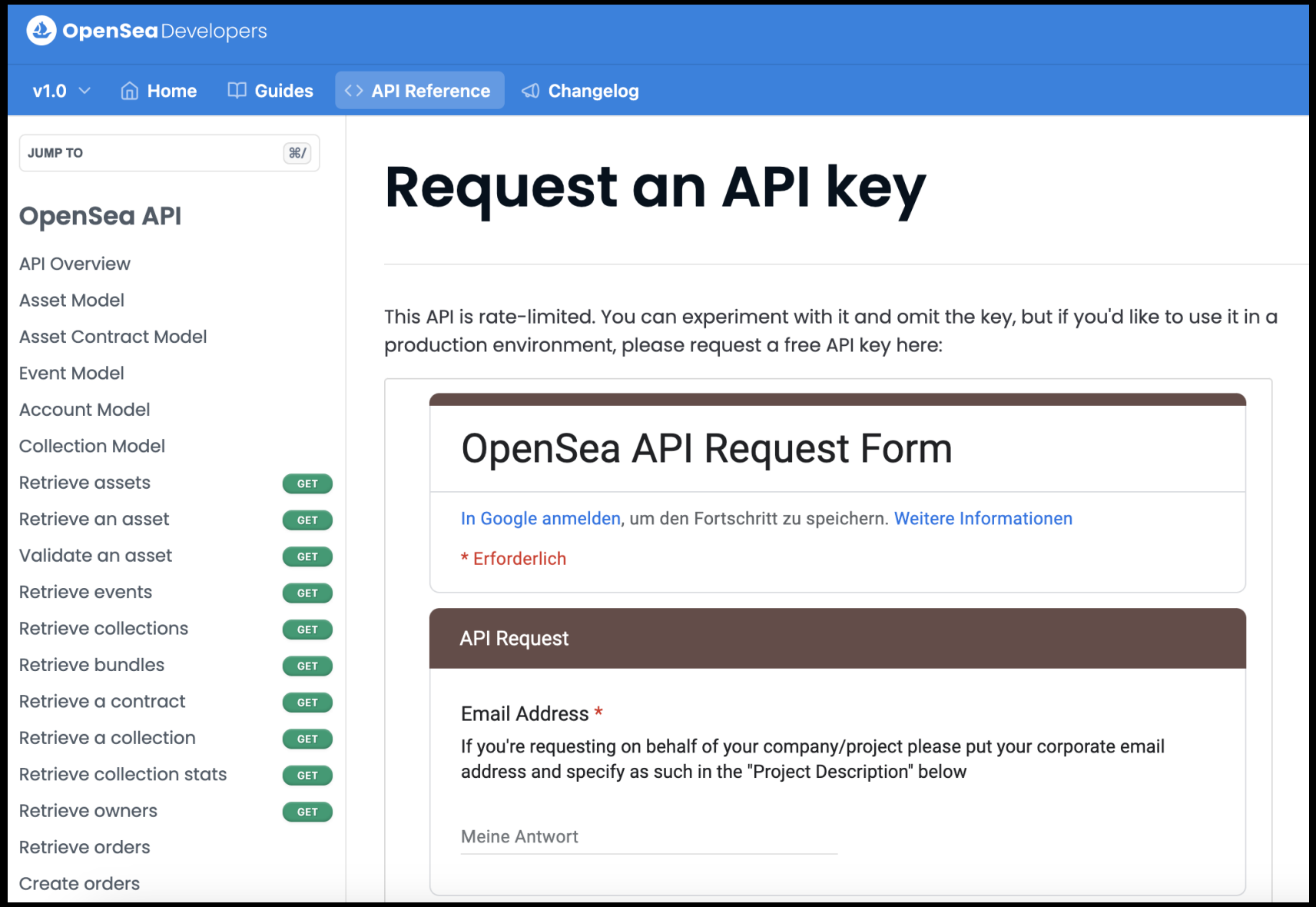
```
<title>Access denied</title>
Access denied
```

```python
def extract_source(os_rankings_url):
    agent = {"User-Agent":"Mozilla/5.0"}
    source = requests.get(os_rankings_url, headers=agent).text
    return source

def extract_data(source):
    names = os_soup.findAll('span', {'class': 'sc-29427738-0 sc-d58c749b-0 iBWBGk ipKiCP'})

print(extract_data('https://opensea.io/rankings'))
```

```
None
```

Sollten wir
ein Cryptowallet für die
API erstellen?

Dieses dann mit echten
Namen oder Pseudonym?



Wir haben gelesen, dass “get requests” limitiert sind. Was heißt das für uns? Müssten wir das selbst kodieren?

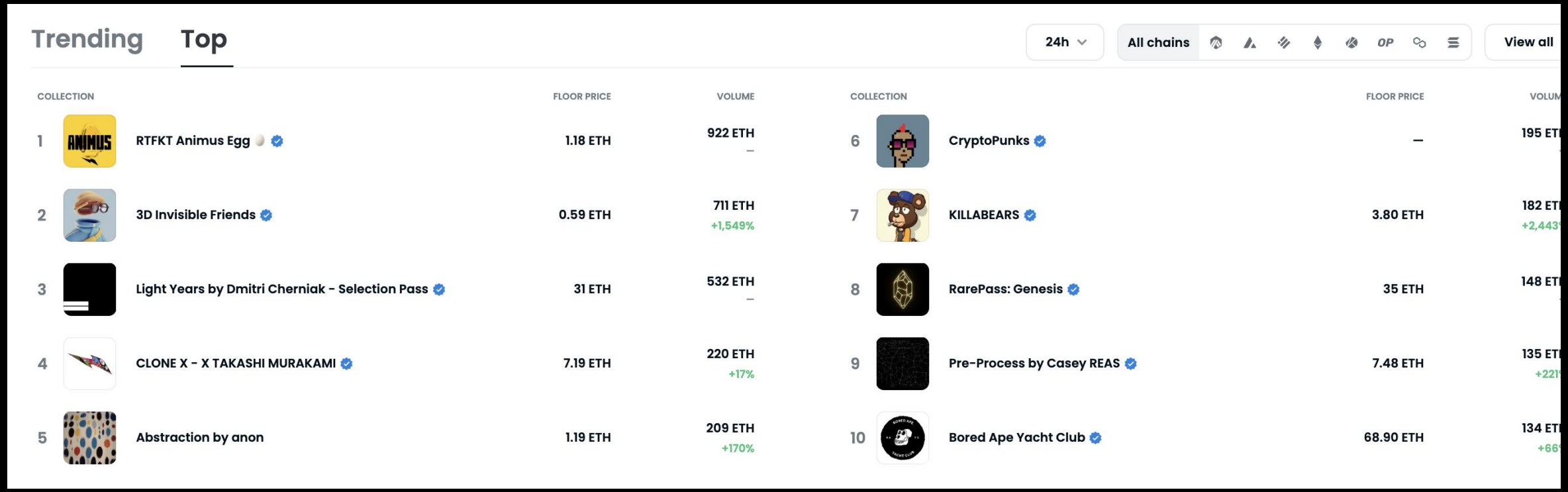
API FAQs

What is the default rate limit?

`GET` requests are limited to 4/sec per API key. `POST` requests are limited to 2/sec per API key.

Top 200 Ranking

Ist es machbar, die Bilder von den Top 200 Künstlern, zu analysieren? Top 100? Top 50?



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