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The root problem with conventional currency is all the trust that's required to make it work.

The central bank must be trusted not to debase the currency, but the history of fiat currencies is full of breaches of that trust.

– Satoshi Nakamoto



Chancellor on brink of second bailout for banks

nay be needed as lending squeeze tightens





be your own bank

WHAT IS MONEY?

Medium of exchange (buy things)







Unit of measure (what is item priced in?)

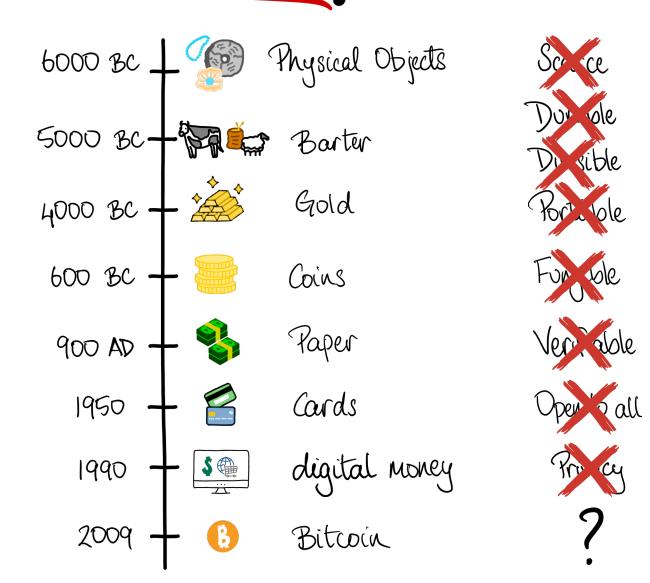


= \$1

Store of value (save money for long term)







WHAT IS MONEY?

Anything that is a medium of exchange

People need to believe item holds valve in order to exchange it

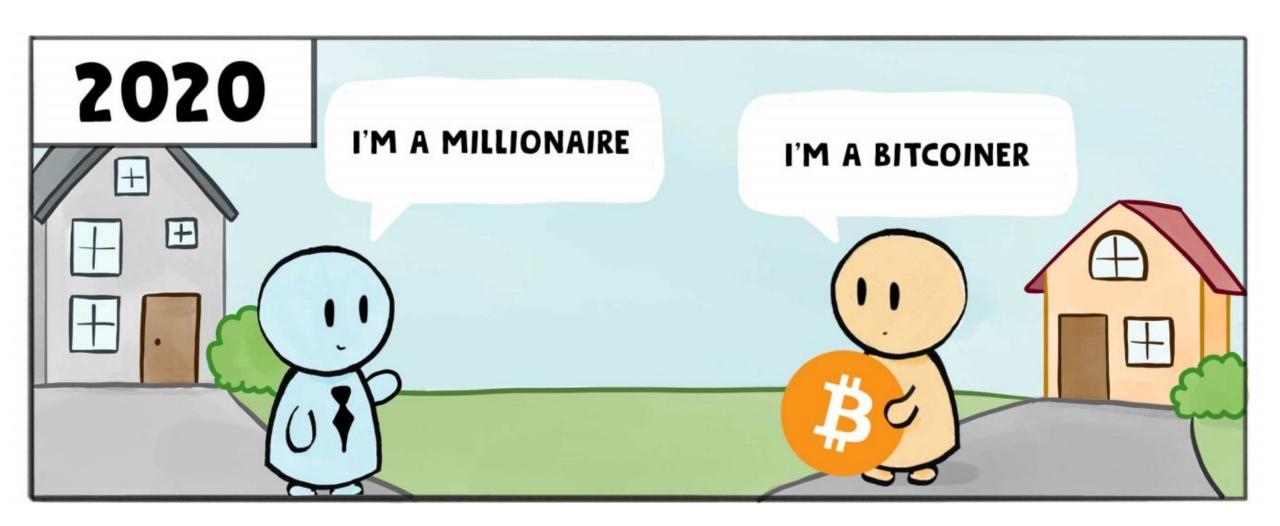
If people believe Bitcoin has value they will use it as a medium of exchange

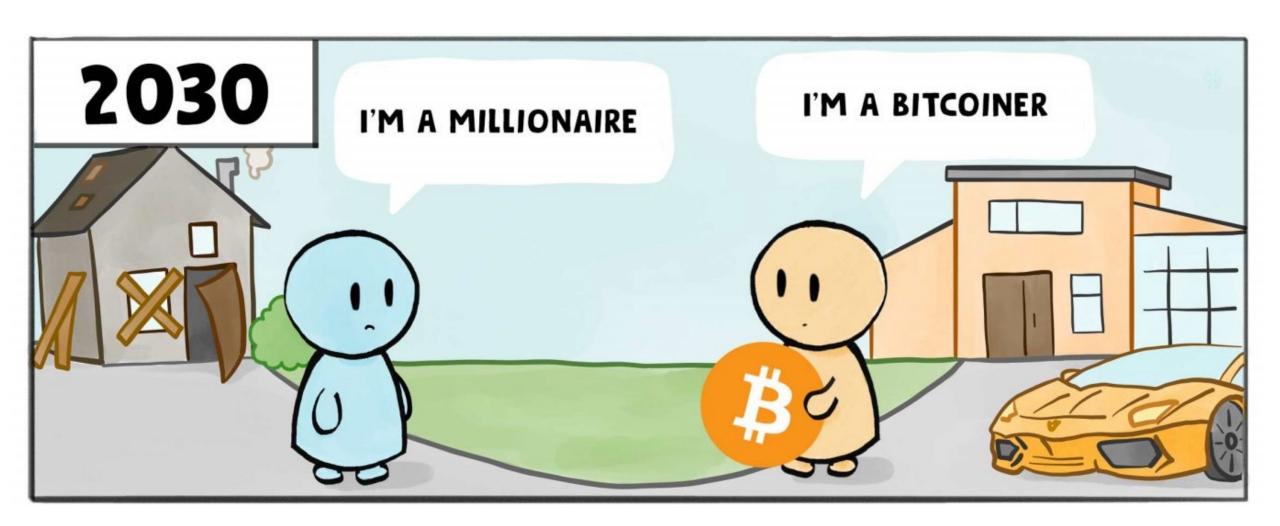
The Euro lost **90% of its Value** against Bitcoin

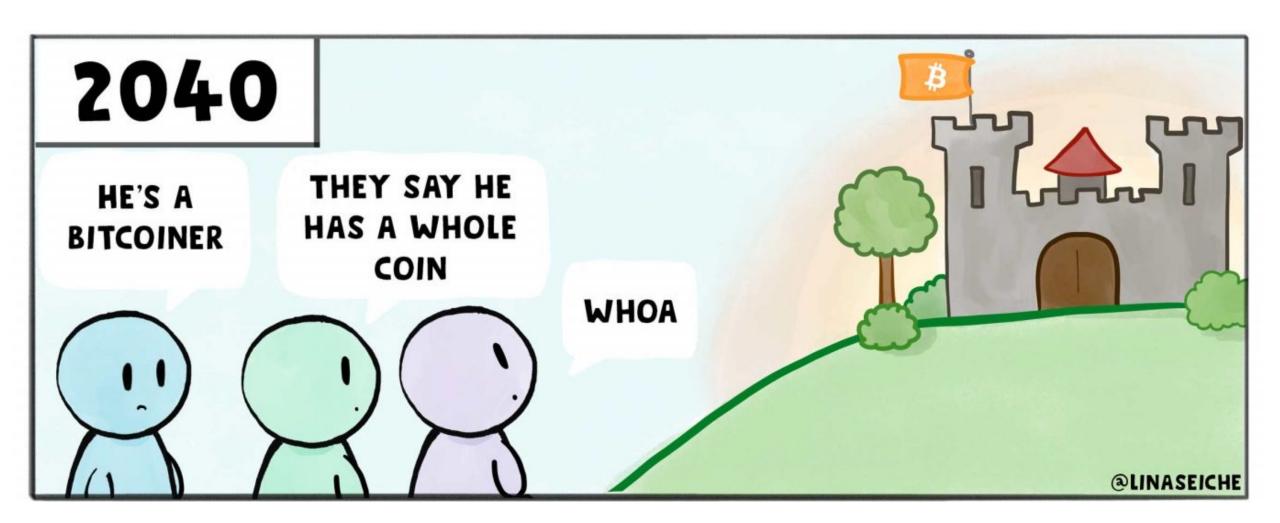


fixyourmoney.space bitcoinorshit.com











WHAT IS BITCOIN?

Scarce: not easy to obtain



Durable: cannot be easily destroyed



Bitcoin ledger stored in 1000s of computers

Divisible: break into smaller parts

1BTC = 100,000,000 satoshis

Example: If water = \$1 EASIER TO SAY INSTEAD OF 4000 satoshis 0.00004BTC











Fungible: ability of an item to be interchangable with another item of the same type













Verifiable: check if its authentic





check public ledger

Open to all: do not need permission



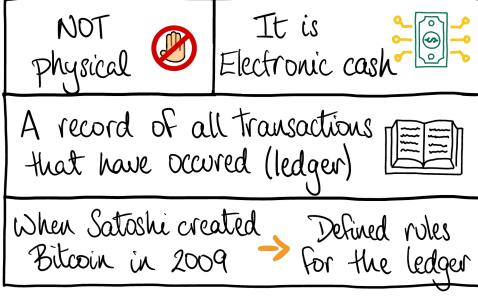




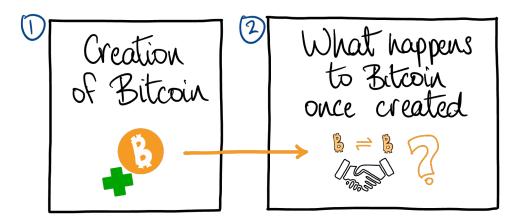




WHAT IS BITCOIN?







Bitcoin can be moved from one address to another

Address 1

Output

Address 2

When someone owns Bitcoin





Nothing Physical



The ledger says Bitcoin is in an address



Owner has access to address



→ Address

ADDRESS

USED TO







Send



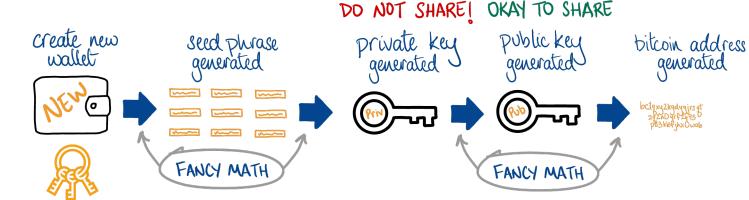
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bc1qxy2kqdygjrsqtzq2nOyrf2493p83kkFjhxOwab

6

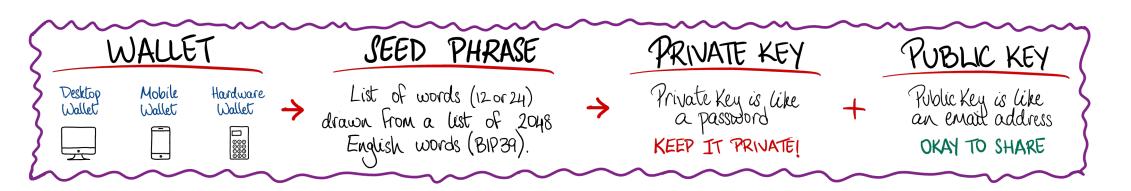
OR CODE:



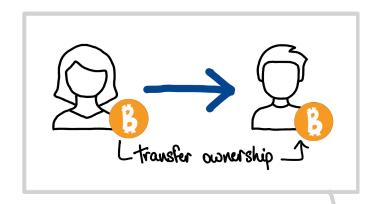


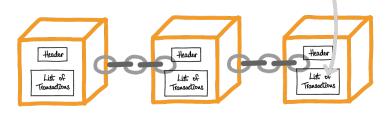
NOT YOUR KEYS NOT YOUR COINS

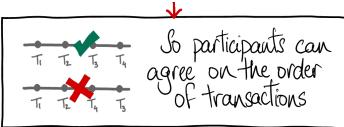
Lose Lose private keys = Bitcoin



TRANSACTION

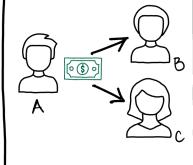






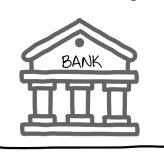
PROBLEM

can't verify double spend



COMMON SOLUTION

trusted authority to verify transactions



NOW

Entire money sytem depends on trusted authority

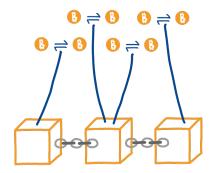




ANOTHER SOLUTION

All transactions must be publicly announced





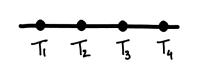
USING

peer to peer distributed time stamp Server

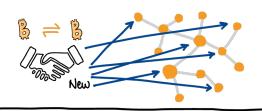


TO GENERATE

proof of transactions in chronological order



New transactions are broadcasted to all nodes



Each node collects new transactions into a block



Each node works on finding a proof of work for it's block



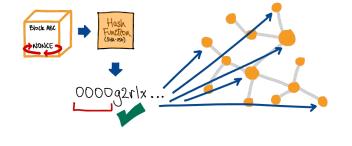






NETWORK

When node finds proof of work it broadcasts the block to all nodes



Nodes accept block only if transactions are valid and not spent





Nodes express acceptance by working on the next block on the chain





Longest = Majority = Greatest chain = decision = Proof of





They will keep working on extending it

PROOF OF WORK (POW)

POW requires LDTS of







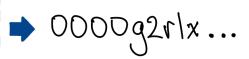
Computing power

Electricity

Time







RESULTING IN





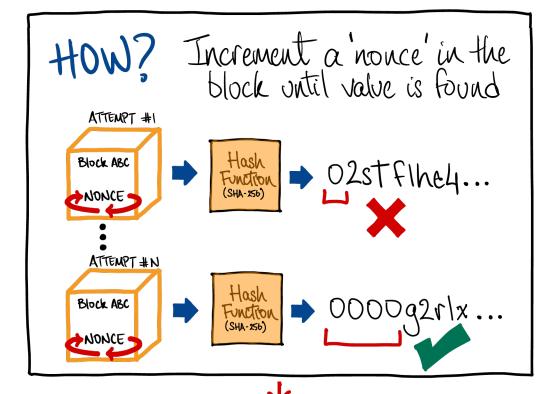






New blocks being added

new coins being minted



Proof of work difficulty changes to maintain average blocks per hour

time and effort to solve Proof of Work

BITCOIN IS GREEN



= 165,317 TWh



= 275 TWh = 0.17% of global consumption



58.9% Sistainable energy



Consumption is transparent



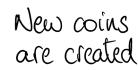
Balance the grid

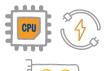




INCENTIVES

when nodes expend electricity -> and CPU time









SIMILAR TO gold miners expending resources



2009 the reward per block was 50 Bitcoin 2023 the reward per block is 6.25 Bitcoin

When Satoshi created the Bitcoin blockchain

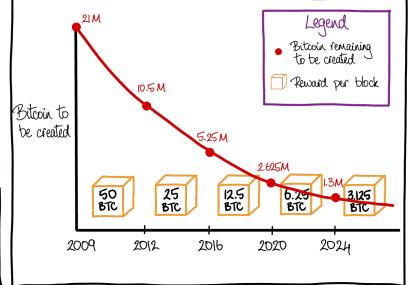


the first block 50 Bitcoin was created (reward for solving puzzle)

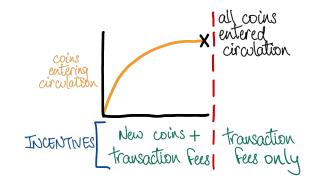
Ist (genesis block)

50 B

Bitcoin is programmed such that the reward per block halves every 210,000 blocks (~4 years)



When predetermined coins enter circulation INCENTIVE = transaction Fees INFLATION FREE



Incentives encourage nodes to be honest







Bitcoin Yearly Candles





Source: bitcoincharts.com; ChartsBTC



What are you trying to tell me, that I can trade my bitcoin for millions someday?

1 btc = 1 btc

No Neo, I'm trying to tell you that when you're ready...



YOU DON'T NEED TO BUY

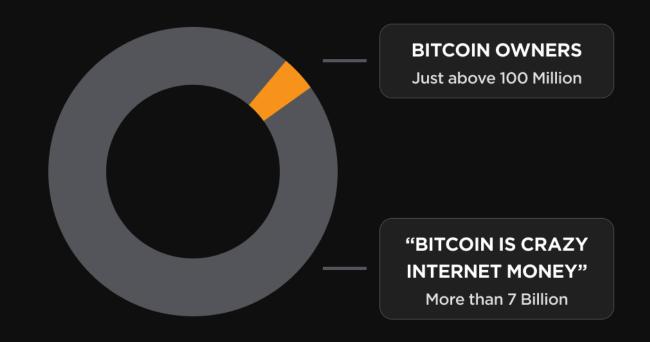
A WHOLE BITCOIN





O.00226 BTC





YOU ARE STILL EARLY TO BITCOIN

WHEN I GROW UP, WHEN I GROW UP, I WANT TO BE A I WANT TO BE A **MILLIONAIRE** WHOLECOINER 0 0

A FEW YEARS LATER

I'M A MILLIONAIRE

DUDE, EVERYONE IS

WOAH, IS THAT A WHOLE BITCOIN?









@LINASEICHE

THANK YOU

Stay Humble Stack Sate



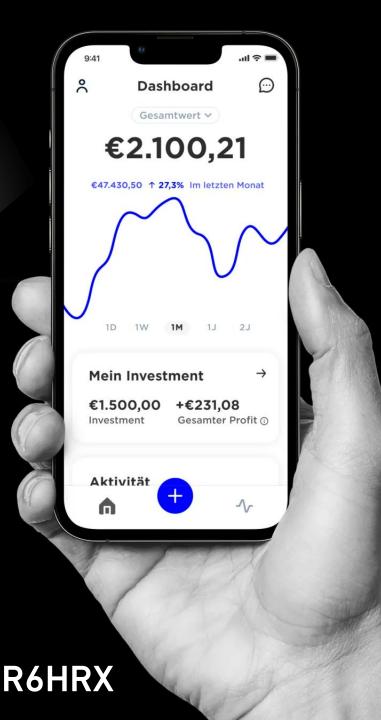




The easiest App to invest in Bitcoin.

- Registered by Financial Market Authority
- m German Bank Account ■
- Personal Support
- **6** Highest security standards



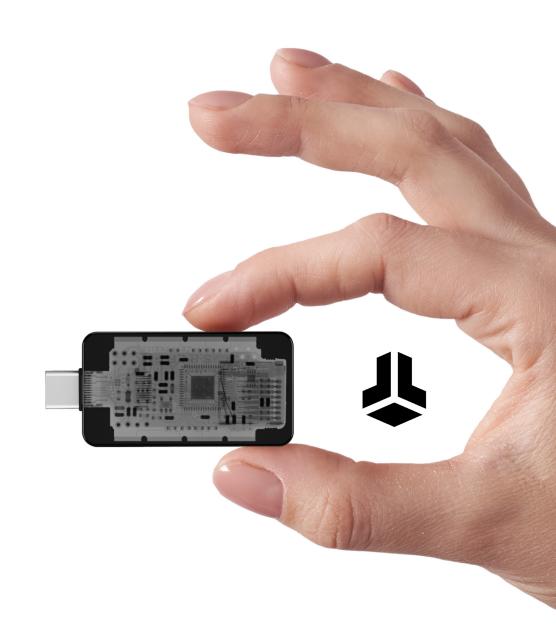


This could be worth 50 billion Dollars.

BitBox02 Bitcoin-only edition













dtv







bücher





podcasts





live

INNSBRUCK



SEPTEMBER 14-17 2023

#BITCOINKONFERENZ #BTC23