GENERAL

# crypto cheatsheet

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## Crypto Cheatsheet: Your One Stop Reference for the Digital Asset World

Cryptocurrency has moved from niche hobby to mainstream investment vehicle, yet the jargon, wallets, exchanges, and security practices can feel like a new language. Whether you're a seasoned trader or a curious beginner, a **crypto cheatsheet** provides a quick, organized snapshot of the most essential concepts and tools. This guide distills the vast landscape into clear sections, making it easier to navigate, trade, and protect your digital assets.

## What Is a Crypto Cheatsheet?

A **crypto cheatsheet** is a concise, visual reference that captures the key terms, workflows, and best practices of the cryptocurrency ecosystem. Think of it as the trading manual you keep on your desk—quick, actionable, and free from fluff. It typically includes:

- Glossary of common terms
- Wallet and exchange quick start steps
- Security checklist
- Tax filing pointers
- Common pitfalls to avoid

By consolidating information into one page or a set of pages, a cheatsheet reduces cognitive load and helps you make confident decisions without constantly flipping through tutorials.

## Essential Crypto Terms You Should Know

Before diving into wallets or exchanges, let's clarify the vocabulary that underpins every transaction.

### Blockchain

A distributed ledger that records all transactions across a network of computers. Each block contains a batch of transactions and a cryptographic hash linking it to the previous block.

### Hash Function

A mathematical algorithm that converts input data into a fixed length string. In crypto, hashes ensure data integrity and enable mining.

### Mining

Process of validating transactions and adding them to the blockchain. Miners solve complex puzzles and earn new coins as a reward.

### Proof of Work (PoW) / Proof of Stake (PoS)

Consensus mechanisms. PoW relies on computational power; PoS selects validators based on the amount of cryptocurrency they hold.

### Wallet

Software or hardware that stores private keys, allowing you to send and receive crypto. Types include hot wallets

(online) and cold wallets (offline).

### Exchange

Platform that facilitates the buying, selling, or swapping of digital assets. Examples: Coinbase, Binance, Kraken.

### Fiat Currency

Traditional government  issued money such as USD, EUR, or JPY.

### Token

Unit of value issued on a blockchain, often representing an asset, utility, or governance right.

### Smart Contract

Self  executing code on a blockchain that automatically enforces the terms of an agreement.

### Liquidity

The ease with which an asset can be bought or sold without affecting its price.

### Slippage

The difference between the expected price of a trade and the price at which it actually executes.

### APY (Annual Percentage Yield)

Annualized return on an investment, accounting for compounding.

### Yield Farming / Liquidity Mining

Strategies to earn rewards by providing liquidity to decentralized finance (DeFi) protocols.

## Wallet Cheat Sheet: How to Secure Your Assets

### Hot Wallets – Quick and Convenient

1. Choose a reputable provider: Examples include MetaMask, Trust Wallet, and Coinbase Wallet.
2. Set a strong password: Combine letters, numbers, and symbols.
3. Enable two  factor authentication (2FA): Use authenticator apps like Google Authenticator.
4. Backup your seed phrase: Store it offline in a fireproof safe.

### Cold Wallets – The Ultimate Security Layer

- Hardware wallets: Ledger Nano X, Trezor Model T.
- Paper wallets: Print your private keys; keep them in a secure location.
- Air  gapped computers: Use offline machines for large transfers.

### Wallet Management Checklist

1. Verify wallet address before sending.
2. Never share your private key or seed phrase.
3. Regularly update wallet software.
4. Use a dedicated device for large amounts.

## Exchange Cheat Sheet: Picking the Right Platform

### Key Features to Evaluate

- Security: Two  factor authentication, cold storage, insurance policies.
- Fees: Trading, withdrawal, and deposit fees.

- Liquidity: Depth of order books and average daily volume.
- Regulatory compliance: KYC/AML procedures, licensing.
- User interface: Ease of use for beginners versus advanced charting tools for pros.

### Popular Exchanges by Use Case

- Retail traders: Coinbase, Binance, Kraken.
- Professional traders: BitMEX, Deribit, FTX.
- DeFi enthusiasts: Uniswap, SushiSwap, PancakeSwap.

### Step by Step Onboarding

1. Sign up with a verified email address.
2. Complete KYC verification (upload ID, selfie).
3. Secure your account with 2FA.
4. Deposit funds via bank transfer or crypto.
5. Start trading with a demo account if available.

## Trading Cheat Sheet: From Basics to Advanced

### Fundamental Analysis

Assess a coin’s underlying value: team, use case, adoption, and market sentiment.

### Technical Analysis

Use price charts, trend lines, and indicators (RSI, MACD, Bollinger Bands) to identify entry and exit points.

### Risk Management

- Position sizing: Never risk more than 2% of your capital on a single trade.
- Stop loss orders: Protect against sudden market drops.
- Diversification: Spread investments across multiple assets.

### Common Order Types

- Market order: Buy or sell at the current market price.
- Limit order: Set a price you’re willing to pay or accept.
- Stop limit order: Trigger a limit order once a stop price is reached.

### Advanced Strategies

- Arbitrage: Exploit price differences between exchanges.
- Margin trading: Borrow funds to increase position size (high risk).
- Options & futures: Hedge or speculate on price movements.

## Security Cheat Sheet: Protecting Your Digital Wealth

### Common Threats

- Phishing attacks targeting login credentials.
- Malware that steals private keys.
- Exchange hacks exposing user balances.
- Social engineering scams offering “too good to be true” returns.

### Defense in Depth

1. Use hardware wallets for large holdings.
2. Never expose your seed phrase online.

3. Enable email and phone alerts for account activity.
4. Regularly audit your accounts for unauthorized transactions.

### Backup and Recovery

- Store seed phrases in multiple secure locations (safe deposit box, offline vault).
- Use encrypted storage for digital backups.
- Test recovery process periodically.

## Tax Cheat Sheet: Staying Compliant with Crypto Gains

### Key Tax Concepts

- Capital gains: Profit from selling crypto.
- Capital losses: Losses that offset gains.
- Income tax: Earnings from mining or staking.
- Wash sale rules: Avoid claiming losses on repurchased assets within 30 days.

### Reporting Requirements

- Maintain detailed transaction logs: date, amount, price, counterparties.
- Use crypto tax software (e.g., CoinTracker, TokenTax) for automated calculations.
- Report all taxable events on your federal and state returns.

### Record Keeping Tips

1. Export CSV files from exchanges and wallets.
2. Organize by date and asset type.
3. Keep receipts for hardware purchases and fees.
4. Retain records for at least three years.

## Common Mistakes to Avoid

1. Ignoring the importance of a strong password and 2FA.
2. Storing large amounts of crypto in a hot wallet.
3. Failing to diversify holdings.
4. Not monitoring market volatility.
5. Overlooking tax obligations.

## Resources for Further Learning

- Crypto News: CoinDesk, The Block, CryptoSlate.
- Educational Platforms: Coursera, Udemy, Binance Academy.
- Community Forums: Reddit r/cryptocurrency, Bitcointalk.
- Regulatory Updates: SEC, FINRA, European Securities and Markets Authority (ESMA).

## Conclusion

A well crafted **crypto cheatsheet** is your roadmap through the ever changing landscape of digital assets. By mastering the terminology, securing your wallets, choosing the right exchanges, and staying compliant with tax laws, you can navigate the market with confidence. Remember that the most powerful tool is a clear, concise reference—one that keeps the complex world of cryptocurrency simple and actionable.

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