CHESS Token

CHESS token and its tokenomics.

CHESS is the governance token of Tranchess community.

How do I earn CHESS?

You can harvest CHESS by staking Token QUEEN, BISHOP and/or ROOK in the protocol. To find out more about how to stake your tokens, please check out our How to Guides.
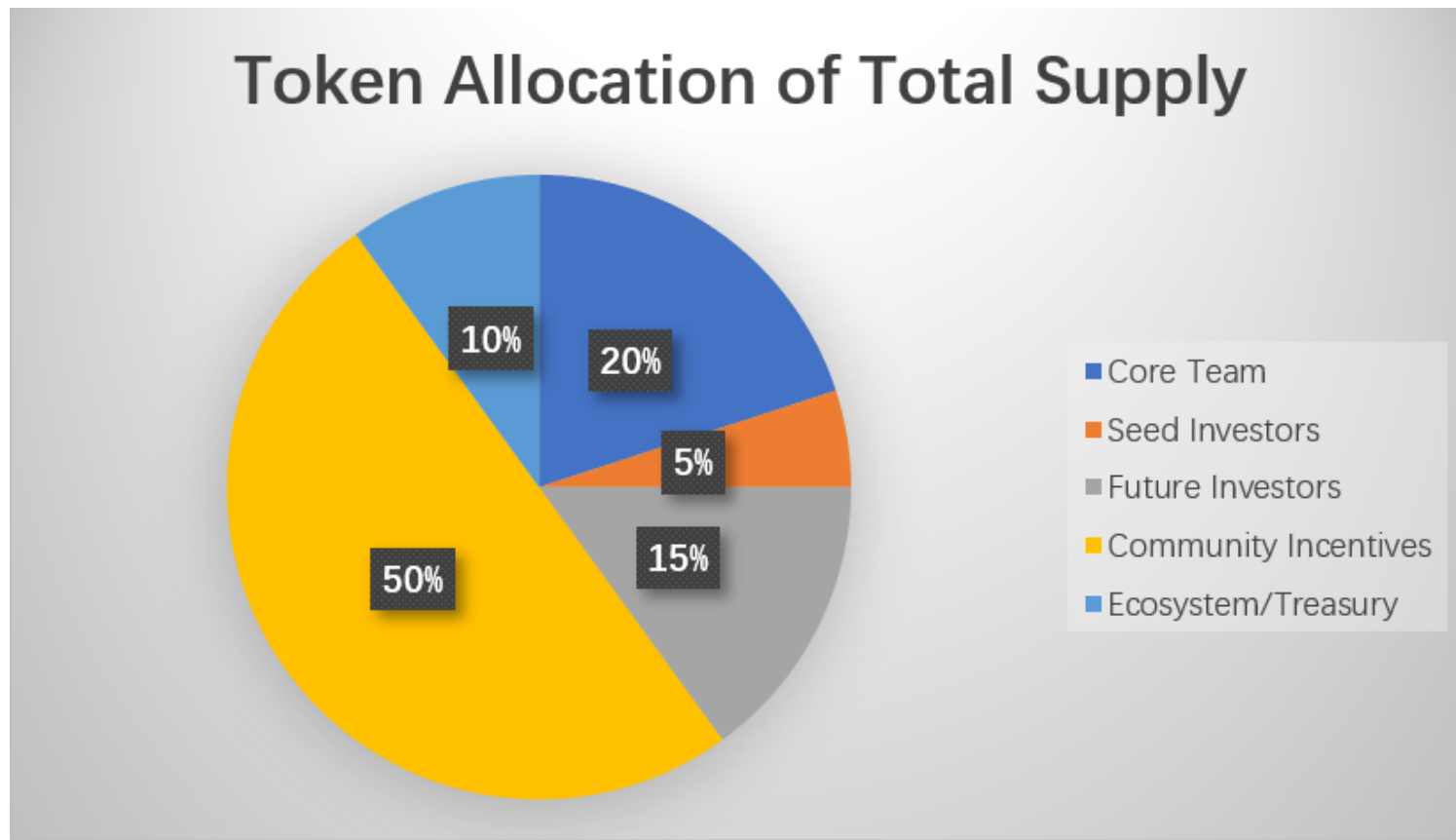
What is the total supply of CHESS token?

Total supply of CHESS token is 300M.

What is the CHESS token's contract address?

0x20de22029ab63cf9A7Cf5fEB2b737Ca1eE4c82A6

What is the token allocation of total supply?

Token Allocation of CHESS

How long is the vesting schedule?

Currently, the community incentives are planned to vest throughout a 207-week time period, that is around 4 years.

How many tokens are released every week?

Out of the 300Mn total supply of CHESS, 50% will be used for community distribution and incentives, of which 120Mn will be released on Tranchess.

On Tranchess, CHESS distribution started on June 24th. The week from June 24th to July 1st is defined as "week 1". Week 1 started with distributing 300,000 tokens, and from week 2 to 4, each week distributes an additional 300,000 on top of the previous week. By the end of week 4, the accumulated distribution was 3,000,000. The detailed distribution schedule is as below:

Tranchess Incentives

From (Week)	To	#Week	#Tokens per Week	Cumulative CHESS Distributed End of Week
1 (June 24)	1 (July 1)	1	300,000	300,000
2 (July 1)	2 (July 8)	1	600,000	900,000
3 (July 8)	3 (July 15)	1	900,000	1,800,000
4 (July 15)	4 (July 22)	1	1,200,000	3,000,000

5 (July 22)	5 (July 29)	1	2,400,000	5,400,000
6 (July 29)	20 (Nov. 11)	15	Starts from 2,304,000 and decrease by 4% every week.	31,775,824
TBD...				

How many CHESS does a Token QUEEN/BISHOP/ROOK holder get every day?

The weight for Token QUEEN, Token BISHOP and Token ROOK is set at 3:4:2, which means that IF 1 QUEEN received 3 CHESS tokens in a certain week, then *during the same time period*, 1 BISHOP would receive 4 CHESS tokens, and 1 ROOK would receive 2 CHESS tokens.

For example:

Suppose that Tranchess distributed 300,000 CHESS in total during a certain week, and had an average total number of 30,000 QUEEN, 15,000 BISHOP and 15,000 ROOK staked in the protocol during that week. The average number of CHESS that each QUEEN could get during this period would be 5, each BISHOP would get 5*(1+33%) ≈ 6.67, and each ROOK would get 5*(1-33%) ≈ 3.33.

What's the utility of CHESS token?

Currently, there are two main utilities for CHESS token:

1. To vote for the additional add-on of BISHOP's next-week interest rate.
2. To receive a weekly BTCB rebate, which totals 50% of the fees collected (gas fee excluded) within Tranchess.

How exactly is voting power, or veChess, calculated?

CHESS can be locked for up to 4 years. The number of veChess you receive depends on the time you lock your CHESS for. The minimum locking time is 1 week, and for every CHESS locked, veChess increases linearly from 0 to 1 as you increase your locking time from 0 to 4 years.

1 CHESS locked for 1 year = 0.25 veChess.

1 CHESS locked for 2 year = 0.5 veChess.

1 CHESS locked for 3 year = 0.75 veChess.

1 CHESS locked for 4 year = 1 veChess.

Without increasing the locking time or the number of CHESS, your veChess decreases linearly as the end date of the locking period approaches.

How do I participate in the weekly rebates

Lock CHESS and enroll your veChess in BTCB rebate.

On **Week 0, Thur 14:00 UTC**, Tranchess registers individual's as well as the total amount of veChess enrolled for rebate. The recorded veChess will be eligible for the following week's BTCB rebate.

On **Week 1, Thur 14:00 UTC** , Tranchess sums up the total fees accumulated throughout the week and divides proportionally **50%** of the total fees amongst the recorded veChess enrolled. The BTCB rebate will be claimable thereafter.

For example,

On Week 0, before Thurs 14:00 UTC: Alice enrolls 100 veChess whilst the total rebate pool is 10,000.

Between Week 0, Thurs 14:00 UTC to Week 1, Thurs 14:00 UTC: If Tranchess collected 1 BTCB as fees for the week, the BTCB rebate allocated to Alice would be 100/10000*1*50% = 0.005 BTC. Alice can claim this 0.005 BTC any time post Week 1, Thurs 14:00 UTC

Note: Any new veChess gained during the week (Week 0, Thurs 14:00 UTC to Week 1, Thurs 14:00 UTC) can be enrolled but will only receive rebates post Week 2, Thurs 14:00 UTC.

How to calculate the APY for staking CHESS?

The APY is calculated based on last 7-day's BTCB rebate pool ("last 7-day" is defined as the period between the Thursday of the previous week and the Thursday of the current week) and the average lock duration. Below are the exact formulas:

$$APY = \left(1 + WeeklyYield\right)^{52} - 1$$

$$WeeklyYield = \frac{(Last7 - day'sBTCB_{Reward}) \times BTCB_{Price}}{TotalCHESSLocked \times CHESS_{Price}}$$