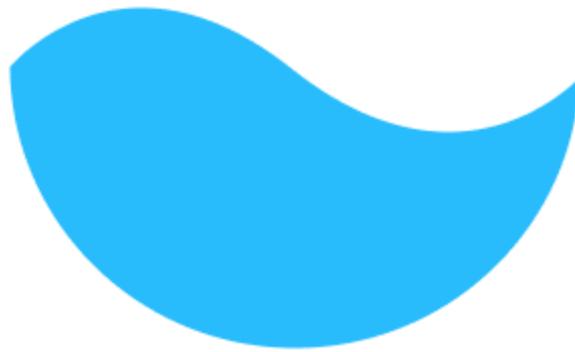


WhitePaper



50 Cents Token (50CENTS)

<https://50cents.io>

Introduction

50 Cents is an experiment that will give us an understanding of the possibility creating a popular stablecoin that is not backed by anything. A stablecoin backed only by its name. Everyone understands what its price should be and that's all.

How will the price be formed?

50CENTS/BNB pair will be created on the day of listing on PancakeSwap decentralized exchange. On DEXes, such as PancakeSwap and Uniswap, the price of token is formed according to the following formula, where Token A – **50CENTS**, and Token B – **BNB**:

$$\text{Price of Token A} = \frac{\text{Reserve of Token B}}{\text{Reserve of Token A}}$$

For example, if the Liquidity Pool contains 100 **BNB** and 100 000 **50CENTS**, then the price of **50CENTS** will be 0.001 **BNB**.

In the Liquidity Pool will be added 300,000 **50CENTS** and an amount of **BNB** equivalent to \$3,000 on the day of listing. At this point, DEX creates the so-called "pair result":

$$\text{Pair result} = \text{Amount of Token A} * \text{Amount of Token B}$$

To make it easier to understand the information, let's imagine that we have a pair **50CENTS/USDT**. And For example, the Liquidity Pool contains 300,000 **50CENTS** and 3,000 **USDT**.

$300,000 * 3,000 = 900,000,000$, where 900,000,000 is the pair result.

If someone buys 100,000 **50CENTS**, he takes them out of the Liquidity Pool, and 200,000 **50CENTS** (300,000 - 100,000) remain in the pool. How much **USDT** should the user invest in the pool?

$$\begin{aligned} 200\ 000 * X &= 900\ 000\ 000 \\ X &= 900,000,000 / 200,000 = 4,500 \end{aligned}$$

There was 3,000 **USDT** in the Liquidity Pool and then it should be 4,500 **USDT**, which means that for 100,000 **50CENTS** the user will pay 1,500 **USDT** (4,500 - 3,000).

Now let's calculate the value of the **50CENTS** token after this operation. The Liquidity Pool holds 200,000 **50CENTS** and 4,500 **USDT**.

$$4,500 / 200,000 = 0.0225$$

So the cost of **50CENTS** is 0.0225 **USDT**. After this purchase, the price increased more than 2 times.

Why is the initial price \$0.01 instead of \$0.50?

- 1) 75% of tokens will be in the liquidity pool, the remaining 25% will be held by the team, influencers and private investors. Let's imagine the situation. Trading has begun, the price is \$0.50. There is no one to sell, and people only buy. The DEX price is formed in such a way that after buying it will only grow and we would never have achieved that the price would be \$0.50.
- 2) Also part of the experiment is a possibility of the price to go up to \$0.50. The experiment will be failed at the first stage, if not.
- 3) It attracts people, who want to make money on it, and also increases the popularity of cryptocurrency. Lust for profit will be the engine of 50 Cents Token.

Tockenomics

A total amount of tokens is 400,000. 20,000 of them will be kept by the team, 30,000 for marketing, 50,000 for private sale, 300,000 will be locked on PancakeSwap in the Liquidity Pool of **50CENTS/BNB** pair on May 17 at 13:00 UTC.

Total	400,000	100%
Liquidity Pool	300,000	75%
Private Sale	50,000	12.5%

Marketing	30,000	7.5%
Team	20,000	5%

And since the coin has a small emission - even the purchase of coins by someone in the amount of \$1,500 - increases its price more than 2 times (+125% according to the formula by which PancakeSwap works). Therefore, with the hype at the start, the price will grow very much, most likely even more than \$1. But within a month, I think, it will stabilize and become \$0.50.