



# Audit Report

## **PixelPenny**

February 2022

|            |  |
|------------|--|
| Type       | BEP20                                      |
| Network    | BSC  |
| Address    | 0x6653f6139BD3c990B597Cf162b30973BF7e7d665 |
| Audited by | © coinscope                                |

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## Contract Review

|                         |   |
|-------------------------|---|
| <b>Contract Name</b>    | PixelPenny  |
| <b>Compiler Version</b> | v0.5.16+commit.9c3226ce   |
| <b>Optimization</b>     | 200 runs  |
| <b>Licence</b>          | MIT   |
| <b>Explorer</b>         | <a href="https://bscscan.com/token/0x6653f6139BD3c990B597Cf162b30973BF7e7d665">https://bscscan.com/token/0x6653f6139BD3c990B597Cf162b30973BF7e7d665</a> |
| <b>Symbol</b>           | PIXLP   |
| <b>Decimals</b>         | 18  |
| <b>Total Supply</b>     | 11,000,000,000  |
| <b>Source</b>           | contract.sol  |
| <b>Domain</b>           | pixelpimp.io  |

## Audit Updates

|                      |                   |
|----------------------|-------------------|
| <b>Initial Audit</b> | 7th February 2022 |
| <b>Corrected</b>     |                   |

# Contract Analysis

● Critical
 ● Medium
 ● Minor
 ● Pass

| Severity | Code | Description   |
|----------|------|---|
| ●        | ST   | Contract Owner is not able to stop or pause transactions  |
| ●        | OCTD | Contract Owner is not able to transfer tokens from specific address   |
| ●        | OTUT | Owner Transfer User's Tokens  |
| ●        | ELFM | Contract Owner is not able to increase fees more than a reasonable percent (25%)                                  |
| ●        | ULTW | Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent |
| ●        | MT   | Contract Owner is not able to mint new tokens   |
| ●        | BT   | Contract Owner is not able to burn tokens from specific wallet  |
| ●        | BC   | Contract Owner is not able to blacklist wallets from selling  |

# Contract Diagnostics

● Critical    ● Medium    ● Minor

| Severity | Code | Description                                |
|----------|------|--|
| ●        | L01  | Public Function could be Declared External |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L09  | Dead Code Elimination                      |
| ●        | L15  | Local Scope Variable Shadowing             |

## L01 - Public Function could be Declared External

|                    |                                       |
|--------------------|---------------------------------------|
| <b>Criticality</b> | minor                                 |
| <b>Location</b>    | contract.sol#L318,327,467,486,499,584 |

### Description

Public functions that are never called by the contract should be declared external to save gas.

```
burn  
mint  
decreaseAllowance  
...
```

### Recommendation

Use the external attribute for functions never called from the contract

## L04 - Conformance to Solidity Naming Conventions

**Criticality**

minor

**Location**

contract.sol#L584

### Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

```
_amount
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

## L09 - Dead Code Elimination

**Criticality**

minor

**Location**

contract.sol#L115,214,229,249,264,189

### Description

Functions that are not used in the contract, and make the code's size bigger.

```
mul
mod
div
...
```

### Recommendation

Remove unused functions.



## L15 - Local Scope Variable Shadowing

**Criticality**

minor

**Location**

contract.sol#L421,576

### Description

There are variables that are defined in the local scope containing the same name from an upper scope.

```
owner
```

### Recommendation

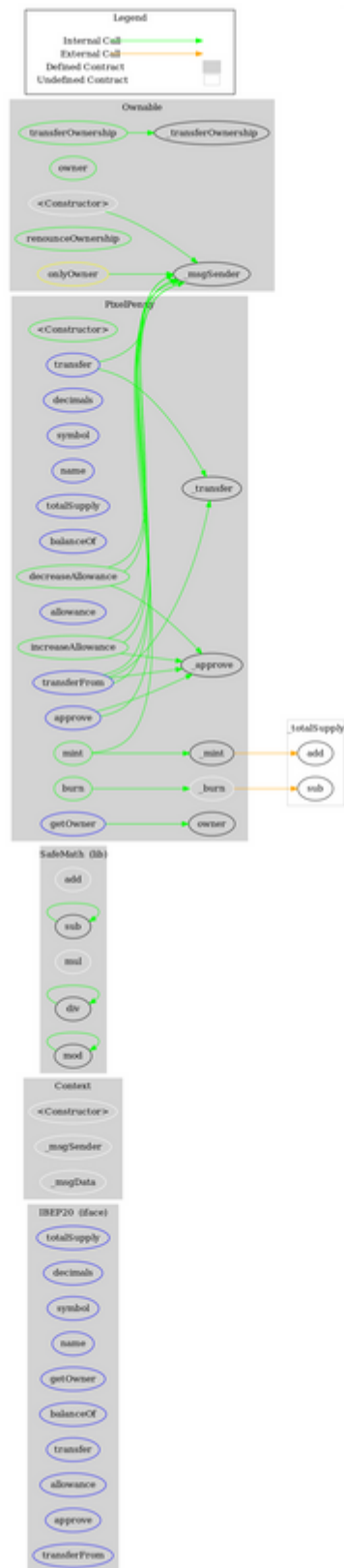
The local variables should have different names from the upper scoped variables.

# Contract Functions

| Contract        | Type           | Bases      |            |           |
|-----------------|----------------|------------|------------|-----------|
|                 | Function Name  | Visibility | Mutability | Modifiers |
| <b>IBEP20</b>   | Interface      |            |            |           |
|                 | totalSupply    | External   |            | -         |
|                 | decimals       | External   |            | -         |
|                 | symbol         | External   |            | -         |
|                 | name           | External   |            | -         |
|                 | getOwner       | External   |            | -         |
|                 | balanceOf      | External   |            | -         |
|                 | transfer       | External   | ✓          | -         |
|                 | allowance      | External   |            | -         |
|                 | approve        | External   | ✓          | -         |
|                 | transferFrom   | External   | ✓          | -         |
|                 |                |            |            |           |
| <b>Context</b>  | Implementation |            |            |           |
|                 | <Constructor>  | Internal   | ✓          |           |
|                 | _msgSender     | Internal   |            |           |
|                 | _msgData       | Internal   |            |           |
|                 |                |            |            |           |
| <b>SafeMath</b> | Library        |            |            |           |
|                 | add            | Internal   |            |           |
|                 | sub            | Internal   |            |           |
|                 | sub            | Internal   |            |           |
|                 | mul            | Internal   |            |           |
|                 | div            | Internal   |            |           |
|                 | div            | Internal   |            |           |
|                 | mod            | Internal   |            |           |
|                 | mod            | Internal   |            |           |
|                 |                |            |            |           |
| <b>Ownable</b>  | Implementation | Context    |            |           |
|                 | <Constructor>  | Internal   | ✓          |           |

|                   |                    |                                |   |           |
|-------------------|--------------------|--------------------------------|---|-----------|
|                   | owner              | Public                         |   | -         |
|                   | renounceOwnership  | Public                         | ✓ | onlyOwner |
|                   | transferOwnership  | Public                         | ✓ | onlyOwner |
|                   | _transferOwnership | Internal                       | ✓ |           |
|                   |                    |                                |   |           |
| <b>PixelPenny</b> | Implementation     | Context,<br>IBEP20,<br>Ownable |   |           |
|                   | <Constructor>      | Public                         | ✓ | -         |
|                   | getOwner           | External                       |   | -         |
|                   | decimals           | External                       |   | -         |
|                   | symbol             | External                       |   | -         |
|                   | name               | External                       |   | -         |
|                   | totalSupply        | External                       |   | -         |
|                   | balanceOf          | External                       |   | -         |
|                   | transfer           | External                       | ✓ | -         |
|                   | allowance          | External                       |   | -         |
|                   | approve            | External                       | ✓ | -         |
|                   | transferFrom       | External                       | ✓ | -         |
|                   | increaseAllowance  | Public                         | ✓ | -         |
|                   | decreaseAllowance  | Public                         | ✓ | -         |
|                   | mint               | Public                         | ✓ | onlyOwner |
|                   | _transfer          | Internal                       | ✓ |           |
|                   | _mint              | Internal                       | ✓ |           |
|                   | _burn              | Internal                       | ✓ |           |
|                   | _approve           | Internal                       | ✓ |           |
|                   | burn               | Public                         | ✓ | -         |

# Contract Flow



## Domain Info

|                               |   |
|-------------------------------|---|
| <b>Domain Name</b>            | pixelpimp.io  |
| <b>Registry Domain ID</b>     | 749dbb315e2b42c48c5abcaf1dca86ed-DONUTS   |
| <b>Creation Date</b>          | 2021-11-23T00:02:00Z  |
| <b>Updated Date</b>           | 2021-11-28T00:02:56Z  |
| <b>Registry Expiry Date</b>   | 2022-11-23T00:02:00Z  |
| <b>Registrar WHOIS Server</b> | whois.godaddy.com/  |
| <b>Registrar URL</b>          | <a href="http://www.godaddy.com/domains/search.aspx?ci=8990">http://www.godaddy.com/domains/search.aspx?ci=8990</a> |
| <b>Registrar</b>              | GoDaddy.com, LLC  |
| <b>Registrar IANA ID</b>      | 146   |

The domain has been created 3 months before the creation of the audit. It will expire in 10 months.

There is no public billing information, the creator is protected by the privacy settings.

# Summary

PixelPenny is the native token that is aiming to be used throughout the PixelPimp ecosystem. The Project has a friendly and growing community. The smart contract analysis reported no compiler errors or major issues. In fact there are not any functions that can be abused by the owner to interrupt the user's transactions. The contract ownership is renounced.

# Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

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## About Coinscope

CoinScope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

CoinScope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>