



## Hidden Lithophane Loonie Shopping Cart Tokens



Lyl3

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### Summary

These are Loonie shaped shopping cart tokens with hidden internal lithophanes. The lithophane is inside the token, so...

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Tags: [lithophane](#) [loonie](#) [reuleaux](#) [shoppingcart](#)  
[shoppingcarttoken](#) [token](#)

These are Loonie shaped shopping cart tokens with hidden internal lithophanes. The lithophane is inside the token, so it's hidden unless looking at it with a bright background light.

I also made [One Euro tokens here](#).

There are several models included, each with a different picture for the lithophane. Also included is a solid token with no lithophane. The OpenSCAD file used to generate them is included so you can make them with your own pictures or adapt the model for coin tokens in your own country. The picture should be in greyscale with high contrast to get the best effect and with some pixels completely black so that the layer on top of the picture has some places to print directly on top of. The lithophane is only 1.2 mm in height, so don't expect a lot of detail.

The tokens with lithophanes must be printed with 100% infill so that the lithophane prints correctly. You'll need to print with a light colored filament to allow the light to pass through.

Update 2019-02-15

Added 3 tokens made with SVG vector images instead of bitmap images: atom, cannabis leaf, maple leaf.

Vector images translate to FDM 3D printing much better than bitmap images because FDM 3D printing is a vector-based process. The pixelization in bitmaps is carried through to the printed model resulting in lots of jittery movement commands instead of the smooth movements created from SVG images. The STL and G-code files are significantly smaller for SVG vector models than for equivalent bitmap models.

## **Print Settings**

### **Printer Brand:**

FlashForge

### **Printer:**

Creator Pro

### **Rafts:**

No

### **Supports:**

No

### **Resolution:**

0.2 mm first layer, 0.12 mm all others

### **Infill:**

100

Category: Coins & Badges

# Model files



**loonie-solid.stl**



**loonie-mapleleafsvg.stl**



**loonie-atomsvg.stl**



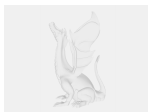
**loonie-frog.stl**



**loonie-dickbutt.stl**



**loonie-cannabisleafsvg.stl**



**loonie-mapleleaf.scad**



**loonie-mapleleaf.stl**



**loonie-butterfly.stl**

**loonie-turtle.stl**



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**loonie-cart.stl**



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**loonie-cannabis.stl**



[Find source .stl files on Thingiverse.com](#)

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