

CFImage Effects

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I know that Foundeo has created an **Image Effects CFC** that can do image gradients and the "iTunes" mirroring effect, but while I was sitting at home today with a bit of a cold, I just had to make this effect myself. Unfortunately, I figured out in the process that I needed a gradient effect while I was creating this function, so they are both here. All in all, not too hard. I realized that the iTunesMirror function should be tacking on a boarder to the non-reflection, but I think it works well enough as is.

Gradient Mask

```
<cffunction name="gradientMask">
    <cfargument name="image" type="Any"/>
    <cfargument name="color" type="string" required="false" default="black"/>
    <cfscript>

        var strInfo = ImageInfo(arguments.image);
        var iInc = 50/strInfo.height;
        var i = 0;

        ImageFlip(arguments.image, "vertical");

        ImageSetDrawingColor(arguments.image, arguments.color);

        for (i = 0; i lte (strInfo.height-1); i = i + 1) {
            ImageSetDrawingTransparency(arguments.image, round(iInc*i*2));
            ImageDrawLine(arguments.image, 0, i, strInfo.width, i);
        }

        ImageFlip(arguments.image, "vertical");

        return arguments.image;
    </cfscript>
</cffunction>
```

iTunes Mirror

```
<cffunction name="iTunesMirror">
    <cfargument name="image" type="any"/>
    <cfargument name="color" type="string" required="false" default="black"/>
    <cfscript>

        var imgCopy = arguments.image;
        var strInfo = ImageInfo(imgCopy);
        var imgNew = ImageNew("", strInfo.width, strInfo.height*1.4, "rgb", arguments.color);
        var imgPart = "";

        ImageFlip(imgCopy, "vertical");
        imgPart = ImageCopy(imgCopy, 0, 0, strInfo.width, strInfo.height*.4);

        GradientMask(imgPart, arguments.color);

        ImageFlip(imgCopy, "vertical");
```

```
        ImagePaste(imgNew, arguments.image, 0, 0);  
        ImageSetDrawingTransparency(imgNew, 40);  
        ImagePaste(imgNew, imgPart, 0, strInfo.height);  
  
        return imgNew;  
    }  
</cfscript>  
</cffunction>
```

Executing Functions

```
<cfscript>  
    imgNew = ImageRead("20600678_XXL.jpg");  
    ImageResize(imgNew, 150, 150);  
    imgNew = iTunesMirror(imgNew, "white");  
</cfscript>  
<cfimage action="write" destination="mirror1.jpg" source="#imgNew#" quality="1" overwrite="true">  
<cfimage action="writeToBrowser" source="#imgNew#" />
```