

Forum:[Hack Forums](#)

Thread: [\[Solved\] Vb.net GetPixel Wrong values?](#)

VmX5 - June 25, 2017, 4:40 pm

So I've drawn pixels onto a bitmap using `Bitmap.SetPixel()` and I've checked the saved file using a photo editor to check if the correct ARGB values were drawn. But now the issue is when I try to read it some values are 1 or 2 off.

This is the function I wrote to translate image to text

These are the 2 pixels, they contain 4 chars each. (Enlarged ofc)

First Pixel : [76, 111, 114, 101]

Second Pixel : [109, 32, 105, 112]

But .Net would read:

First Pixel : [76, 110, 114, 100]

Second Pixel : [109, 32, 105, 112]

So is there something off with my code, or is there some other function I should use? or...? Yeah.

~VmX5

+Haze - June 25, 2017, 5:34 pm

Why reinvent the wheel? Why not just encode the Image to a base64 string?

VmX5 - June 25, 2017, 5:40 pm

(Jun 25, 2017 05:34 PM)+Haze Wrote: [\[CITE\]](#) Why reinvent the wheel? Why not just encode the Image to a base64 string?

So in my previous versions of "Imext" I utilized the RGB values in a pixel but now I'm also trying to implement the Alpha value. So I need to be able to translate text into an image and back. But yea I got really stumped on this part :\

+Wheels are boring

HFDone - June 26, 2017, 4:01 am

which image format you using

try to add 1 to r and b pixels and see if you still get wrong pixels

Zilog80 - June 26, 2017, 7:09 am

Point 1

I think you should change this:

PHP Code

<?php

For Each rgbVal In rgbList

returnString &= rgbVal.A.ToString & rgbVal.R.ToString & rgbVal.G.ToString & rgbVal.B.ToString

Next

for his one:

Code rgbVal.A.ToString will return "65" for alpha value = 65

but,

Code Chr (rgbVal.A) will return "A" for alpha value = 65

Point 2

I made a fast bench. Here the results:

Code Image Marshal.Copy() GetPixel()

i7-6700 2x1 2 ms 2 ms

i7-6700 200x100 1 ms 216 ms

i7-6700 400x300 6 ms 19352 ms

Code Image Marshal.Copy() GetPixel()

i5-M520 2x1 4 ms 3 ms

i5-M520 200x100 4 ms 687 ms

i5-M520 400x300 18 ms 38547 ms

The times measured how much time (in milliseconds) takes a "TranslateImageToText()" function to complete.

As you can see, Marshal.Copy literally out-performs GetPixel() function.

I tried a 800x600 pixel image on my i7. Marshal.Copy() takes 29 ms, but GetPixel() takes ages: 427,287 ms, this is 7 minutes (and with a lot Garbage Collector memory allocations)

Point 3

You are right. I tried 2x1 pixel image with alpha + RGB values you posted. GetPixel() returns:

Code Lnr dm ip

but, Marshal.Copy returns:

Code Lorem ip

and i guess this is the correct behaviour.

Point 4

The source (you can check my SteganoNET here:

<https://github.com/kernelENREK/SteganoNET/blob/master/SteganoNET/Helpers/Stegano.vb>)

Spoiler ([Click to View](#))

<https://pastebin.com/1SSri2Sq>

Point 5

The Benches:

Spoiler ([Click to View](#))

Hope it helps!

Edited

<https://stackoverflow.com/questions/41241831/wrong-rgb-values-in-getpixel-from-png-image>

Seems there is a bug on Image.FromFile()

Just tested again like SO post said and GetPixel() return expected values

VmX5 - June 26, 2017, 10:10 am

(Jun 26, 2017 07:09 AM)Zilog80 Wrote: [\[CITE\]](#) Edited

<https://stackoverflow.com/questions/41241831/wrong-rgb-values-in-getpixel-from-png-image>

Seems there is a bug on Image.FromFile()

Just tested again like SO post said and GetPixel() return expected values

Thanks for all the points! Your solution worked! :) Thanks! Would +rep again if could.

I never knew about Marshal.Copy... :\