

HOWTO: Convert a MinIsBlack TIFF into a MinIsWhite TIFF

Most black and white TIFF images are saved such that 0 = White and 1 = Black. This equates to a Photometric value of 0 for MinIsWhite and 1 for MinIsBlack. Some image viewers ignore this tag. this is code code it takes to convert from one to another using DotImage.

```
invertCommand invert = new InvertCommand(); AtalaImage invertImage =  
invert.Apply(image).Image; invertImage.Palette.SetEntry(0, Color.Black);  
invertImage.Palette.SetEntry(1, Color.White); invertImage.Save("MinIsBlack.tif", new  
TiffEncoder(), null;
```

If you simply wish to alter the tiff PhotometricInterpretation tag, you can use the following code:

```
tring inFile = @"C:\badFile.tif"; string outFile = @"C:\fixedFile.tif"; TiffFile file = new  
TiffFile(); using (FileStream fs = new FileStream(inFile, FileMode.Open, FileAccess.Read,  
FileShare.Read)) { file.Read(fs); for (int i = 0; i < file.Images.Count; i++) { TiffTag tag =  
file.Images[i].Tags.LookupTag(TiffTagID.PhotometricInterpretation); TiffTag newTag; string  
data = tag.Data.ToString(); if (data == "0") { // Current PhotometricInterpretation:  
MinIsWhite // Setting to MinIsBlack newTag = new TiffTag(TiffTagID.PhotometricInterpretation,  
1, TiffTagDataType.Short); // NOTE: you may want to comment this out if your goal is to keep  
it MinIsWhite } else { // Current PhotometricInterpretation: MinIsBlack // Setting to  
MinIsWhite newTag = new TiffTag(TiffTagID.PhotometricInterpretation, 0,  
TiffTagDataType.Short); } file.Images[i].Tags.Remove(tag); file.Images[i].Tags.Add(newTag);  
// NOTE: this KB example is just switching the photometric tag. // if you want to actually  
ensure that the palate entries match, // you may want to implement something more akin to //  
Q10069 - INFO: Typical cause of an inverted black and white TIFF image //  
http://www.atalasoft.com/KB/article.aspx?id=10069 // if your issue is that you want to ensure  
the palate really is MinIsWhite } file.Save(outFile); }
```

Original Article:

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Atalasoft Knowledge Base

<http://www.atalasoft.com/kb2/KB/50295/HOWTO-Convert-a-MinIsBlack-TIFF-into...>