Background

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.

```
nvertCommand 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 //
https://www.atalasoft.com/kb2/KB/50349/INFO-Typical-cause-of-an-inverted-black-and-white-TIFF-image
// if your issue is that you want to ensure the palate really is MinIsWhite }
file.Save(outFile); }
```

Original Article

Q10154 - HOWTO: Convert a MinIsBlack TIFF into a MinIsWhite TIFF

Last Update

2026-11-06 - TD - (Fixed outdated links)