

## Exiv2 - Patch #676

### Patch for reading ICC color profiles

26 Jan 2010 19:07 - Andreas Huggel

<b>Status:</b>	Closed	<b>Start date:</b>	26 Jan 2010
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robin Mills	<b>% Done:</b>	100%
<b>Category:</b>	metadata	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.26		
<b>Description</b>			
Contributed by Joachim Gelhaus, Cewe Color:			
The attached patch adds the ability to read ICC color profile out of the JPEG APP2 marker as just a bunch of bytes.			
Some notes:			
<ul style="list-style-type: none"><li>• All modified sections are marked with an <code>#ifdef JGE_ICC_PATCHES</code> which is defined in the <code>exv_conf.h</code> file.</li><li>• Class <code>ICCColorProfile</code> has been added to <code>types.h</code> (just a simple wrapper to a <code>byte*</code>. Similar to <code>DataBuf</code>)</li><li>• <code>JpegBase</code> got two new static const members: <code>app2_</code> and <code>icclD_[]</code></li><li>• The <code>Image</code> class has two new functions: <code>setIccData(const ICCColorProfile &amp; newIccData);</code> and <code>ICCColorProfile&amp; iccData() { return iccData_; }</code></li><li>• The most changes are in <code>jpgimage.cpp</code> <code>readMetadata()</code> and <code>writeMetadata()</code></li></ul>			
<b>Related issues:</b>			
Related to Exiv2 - Feature #585: Unified metadata container		<b>Assigned</b>	
Related to Exiv2 - Feature #756: Access to ICC Profile (TAG: 0x8773) data in ...		<b>Closed</b>	<b>04 Feb 2011</b>
Related to Exiv2 - Feature #1074: ICC Profile in APP2 segment.		<b>Closed</b>	<b>07 May 2015</b>

### History

#### #1 - 02 Apr 2010 23:00 - Andreas Huggel

Will consider this once we have the unified metadata container ([#585](#)) - then we'll be able to interpret additional types of metadata too.

#### #2 - 21 Aug 2015 16:51 - Robin Mills

- Status changed from New to Closed

- Assignee set to Robin Mills

- Target version set to 0.26

I'm going to mark this closed. However it's linked to [#1074](#) which I intend to implement for v0.26.

Thanks very much to Joachim for the patch. I'll reviewed this and will use this as inspiration for [#1074](#). I'd like to support the extraction of color profiles from JPEG/TIFF/PNG files (and Tiff-type raw formats such as DNG and NEF).

#### #3 - 22 Aug 2015 16:09 - Robin Mills

- % Done changed from 0 to 100

### Files

patchforreadingicccolorprofiles.zip	34.7 KB	26 Jan 2010	Andreas Huggel
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