Specification of ACO file format

(source: [Adobe Photoshop File Formats Specification](https://www.adobe.com/devnet-apps/photoshop/fileformatashtml/#50577411_pgfId-1055819))

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| ***Color swatches file format*** | |
| **Length** | **Description** |
| 2 | Version ( = “1” ) |
| 2 | Count of “color” blocks in the file. |
| count \*10 | “Color” blocks. Each color is 10 bytes long, as described in  “Color block structure” table below. |
| At the end of a version 1 file is the version 2 information. | |
| 2 | Version ( = “2” ) |
| 2 | Count of colors in the file. The next two fields are repeated for each count. |
| count \*10 | “Color” blocks. Each color is 10 bytes, as described in “Color block structure” table below. |
| Variable | [Unicode string:](https://www.adobe.com/devnet-apps/photoshop/fileformatashtml/PhotoshopFileFormats.htm#UnicodeStringDefine) “color name”.  (A 4-byte length field, representing the number of UTF-16 code units in the string (not bytes), followed by the string of Unicode values, two bytes per character and a two byte null for the end of the string.) |
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| ***Color block structure*** | |
| **Length** | **Description** |
| 2 | The color space the color belongs to (see “Color space IDs” table below). |
| 8 | Four short unsigned integers with the actual color data. See “Color space IDs” table below. |
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| ***Color space IDs*** | |
| **Color ID** | **Description** |
| 0 | = “RGB”.  The first three values in the color data are “*red”* , “*green”* , and “*blue”* . They are full unsigned 16-bit values. |
| 1 | = “HSB”.  The first three values in the color data are “*hue”* , “*saturation”* , and “*brightness”* . They are full unsigned 16-bit values. |
| 2 | = “CMYK”.  The four values in the color data are “*cyan”* , “*magenta”* , “*yellow”* , and “*black”* . They are full unsigned 16-bit values. |
| 7 | = “Lab”.  The first three values in the color data are “*lightness”* , “*a chrominance”* , and “*b chrominance”* .  “Lightness” is a 16-bit value from 0...10000.  “a chrominance” and “b chrominance” components are each 16-bit values from -12800...12700. |
| 8 | = “Grayscale”.  The first value in the color data is the “gray” value, from 0...10000. |
| Any other value | = “custom color space”  Four integers with no labels. |