Everything You Ever Wanted to Know About Book Production: International Printing Specifications for Print-Ready Files

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Road Map

Document/Layout

- Number of Pages
- Bleeding & Margin
- Impact of Binding Type

Pictures/Graphics

- Resolution
- Lossless Data Compression

Color Management

- Color Mode
 - o CMYK versus RGB
- Color Profile

Files

- File Format
- Test Files
- Data Transfer

Document/Layout: Number of Inner Pages

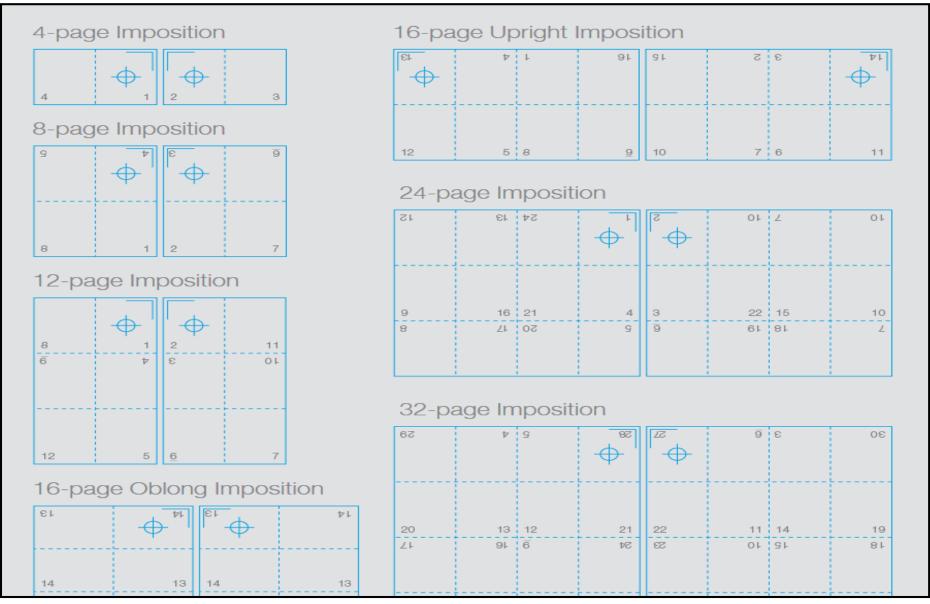
Check your number of inner pages by using the **4-Split-Rule**

Sample Paginations from Past Tenders	4 Split Rule	Correct Pagination	Extra Pages	Alternative Paginations
86	/4 =21.5	88	2 pages	84 or 88 pages
93	/4 =23.25	96	3 pages	168 or 176 pages
190	/4 =47.5	192	2 pages	184 or 192 pages

The **4-Split Rule** is based on printing signatures. A signature is a group of pages that are printed on both sides of a sheet of paper. The number of pages on a signature depends on page size and size of press sheet.

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Defining a printing signature and the reason for the 4-Split Rule



Document/Layout: Bleeding and Margin Area



Document/Layout: Impact of binding type on cover format

Saddle Stitching



Perfect Binding & Thread Sewn



Document/Layout: Impact of binding type on cover format

How to calculate the spine height beforehand?

```
Paper Weight x Paper Bulk x
No. of Inner Pages
= Millimeter
2000
```

```
80 gsm x 1.2 x

144 Inner Pages

2000

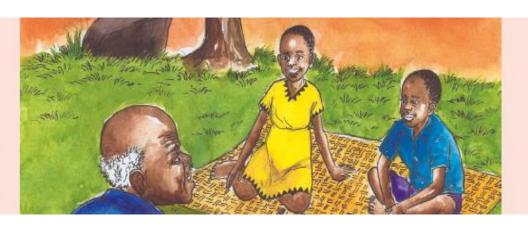
= 6.9 millimeter

→ 7 millimeter
```

Pictures/Graphics: Resolution

Increasing quality with sufficient picture resolution

300 dpi high resolution



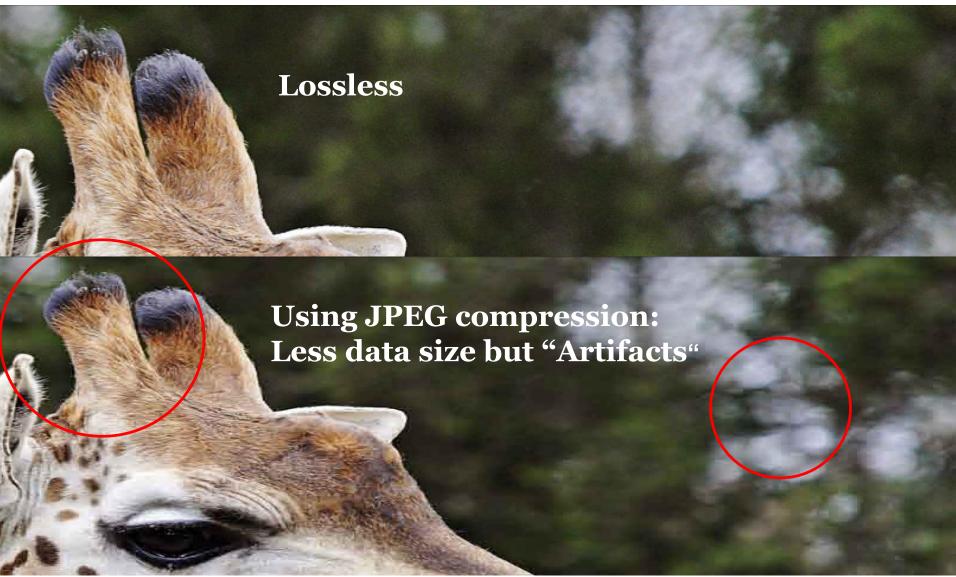


72 dpi screen resolution

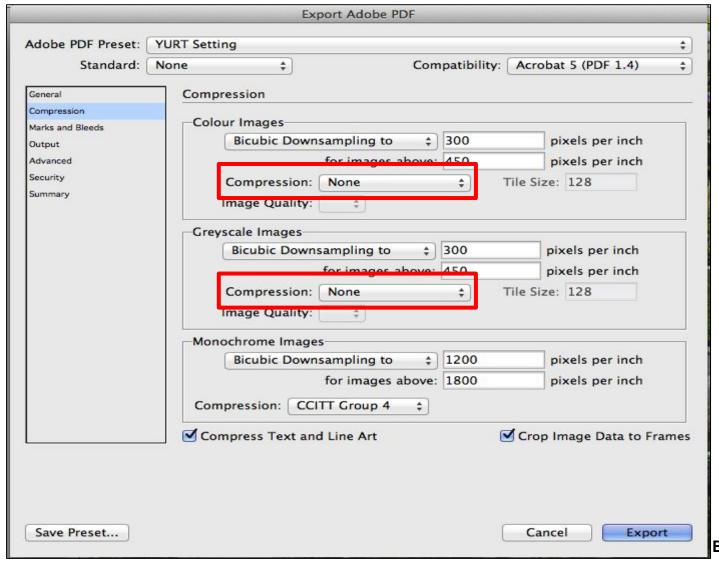




Pictures/Graphics: Data Compression



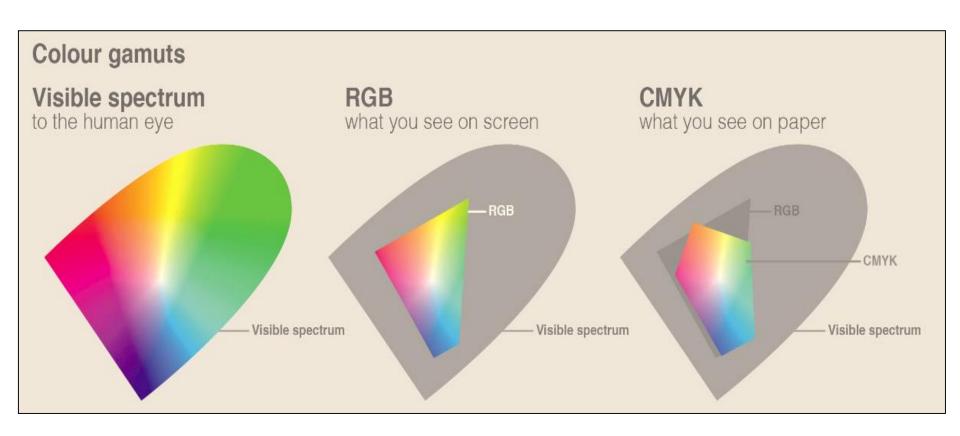
Pictures/Graphics: Data Compression



Correct PDF Export Settings

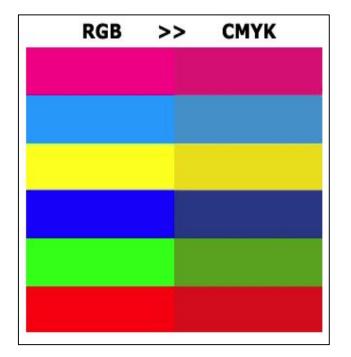
Color Management: Color Mode

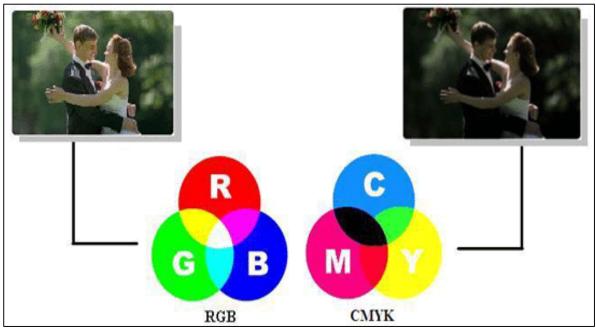
CMYK versus RGB



Color Management: Color Mode

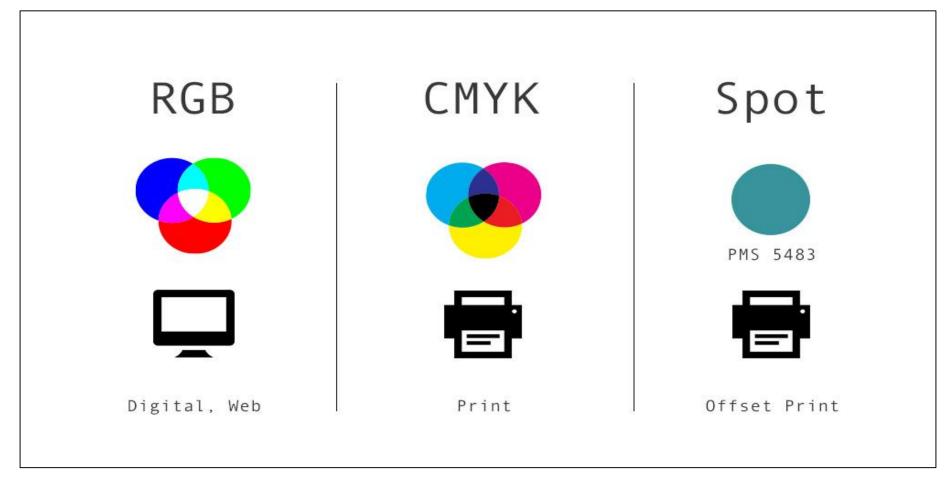
CMYK versus RGB





Color Management: Color Mode

CMYK versus RGB



Color Management: Color Profile

Using Color Profiles: International Standards

ICC website: www.color.org/index.xalter

For example:
ISO Coated,
ISO Uncoated, or
GraCol depending
on paper and the
printer





Any profile without defined international standards





Files: File Format, Test Files, Data Transfer, Communication

Always Use Closed File Formats Most Recommended: PDF

Use Test Files

Sending test files to your awarded printer beforehand can save a lot of time.

Data Transfer

Easy data transfer through cloud-based file hosting systems (*free of charge*).

Communication

Clear communication between all involved people to avoid any mistakes.







Extra! Exclusive Free Preflight Setting

Preflight is the process of confirming that the digital files required for the printing process are all present, valid, correctly formatted, and of the desired type.

Available for free:

- Includes settings to cross-check most critical issues
- Page size/format
- Pictures resolution
- Color mode
- And more!

