



### Warnings

-  Font Courier is used (2x on page 1)
-  Black text does not overprint (3x on page 1)
-  Pattern or shading is used --> could cause a color separation (6x on page 1)
-  Font Courier is used (2x on page 1)
-  Objects close to the page edge have been found --> **\*\*serious warning\*\***, please check carefully elements which needs bleed (3 mm) (5x on page 1)



### Fixes

-  Changed image compression using ZIP compression (1x on page 1)
-  Changed trapped flag to "False"
-  Changed PDF/X version key to PDF/X-3:2002
-  Changed PDF/X-3:2002 Output Intent to Custom
-  Compressed objects using ZIP compression (23x)



### Processing

|                                       |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| Certified PDF status                  | Preflighted successfully                                                          |
| Preflight Profile                     | SpringerNature_Print_cover_V13_2016_10_06                                         |
| Created by                            | Mark Rübsam / Klaus Rüschhoff                                                     |
|                                       | Springer Nature                                                                   |
| Pages processed                       | 1                                                                                 |
| Application used to preflight         | Enfocus PitStop Server 13 update 2 powered by Enfocus PitStop Library 13 update 2 |
| Application used to create the report | Enfocus PitStop Library 13 update 2                                               |
| Preflighted on                        | UTC: April 25, 2017 - 12:27:46 [ April 25, 2017 - 17:57:46 ]                      |

### Document properties

|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Document Name                | 978-3-662-50053-8_Cover_PrintPDF.pdf                         |
| Number of pages              | 1                                                            |
| PDF Version                  | 1.3                                                          |
| Creation Date                | UTC: April 25, 2017 - 12:27:03 [ April 25, 2017 - 17:57:03 ] |
| Modification Date            | UTC: April 25, 2017 - 12:27:20 [ April 25, 2017 - 17:57:20 ] |
| Producer                     | Acrobat Distiller 11.0 (Windows)                             |
| Creator                      | Adobe InDesign CS6 (Windows)                                 |
| Author                       | pg2963                                                       |
| Title                        | 978-3-662-50053-8_Cover_PrintPDF.indd                        |
| Subject                      | -                                                            |
| Keywords                     | -                                                            |
| Trapped                      | no                                                           |
| Trapping Information Present | no                                                           |
| Repaired on Open             | no                                                           |
| Optimized for Fast Web View  | no                                                           |
| Thumbnails Present           | no                                                           |
| Binding                      | left                                                         |
| Job Ticket Present           | no                                                           |

### Security

|                                   |                 |
|-----------------------------------|-----------------|
| Encryption Type                   | not encrypted   |
| Content Copying or Extraction     | allowed         |
| Content Access for Disabled Users | allowed         |
| Adding or Modifying Annotations   | allowed         |
| Creating or Modifying Form Fields | allowed         |
| Form Field Fill-in or Signing     | allowed         |
| Document Assembly                 | allowed         |
| Other Document Modifications      | allowed         |
| Printing                          | high resolution |

### Compression

|                               |        |
|-------------------------------|--------|
| Data format                   | binary |
| Document structure compressed | yes    |
| Filters used                  | ZIP    |



### Status Incoming Document

Not Certified

### Action:

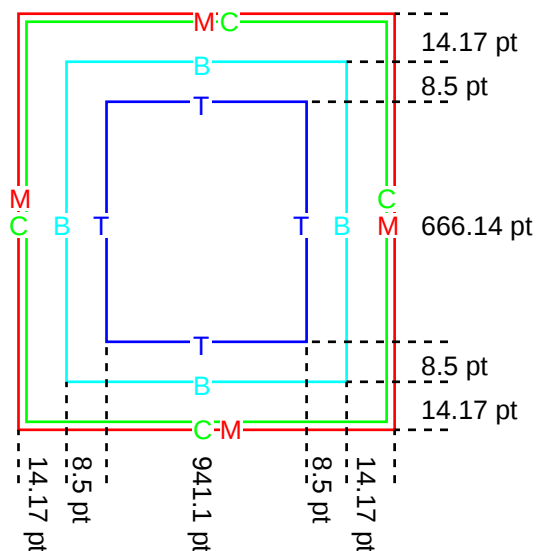
Started Certified PDF workflow

### Status Outgoing Document

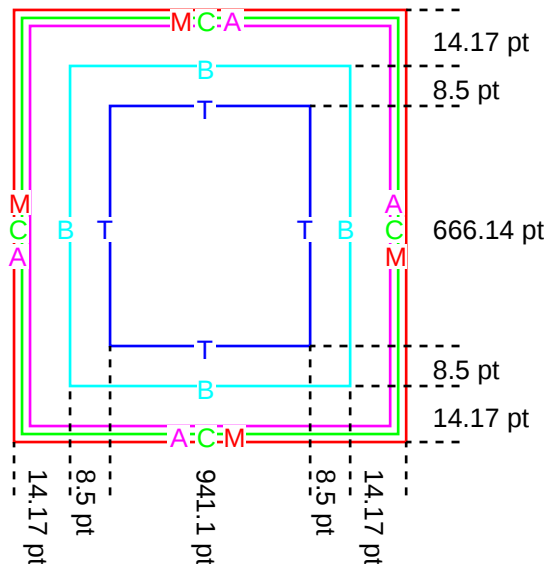
|                          |                                           |
|--------------------------|-------------------------------------------|
| Preflight Profile Name:  | SpringerNature_Print_cover_V13_2016_10_06 |
| Author:                  | Mark Rübsam / Klaus Rüschoff              |
| Company:                 | Springer Nature                           |
| Document Status          | Preflighted successfully                  |
| Preflight Profile Status | Match                                     |



Defined page boxes



Effective page boxes



| Page box      | Defined size       | Effective size     |
|---------------|--------------------|--------------------|
| Media box (M) | 986.46 x 711.5 pt  | 986.46 x 711.5 pt  |
| Crop box (C)  | 986.46 x 711.5 pt  | 986.46 x 711.5 pt  |
| Trim box (T)  | 941.1 x 666.14 pt  | 941.1 x 666.14 pt  |
| Bleed box (B) | 958.11 x 683.15 pt | 958.11 x 683.15 pt |
| Art box (A)   | not defined        | 986.46 x 711.5 pt  |

Defined for page 1

Media box starts at : (0, 0) pt

Page rotation : 0 degrees

Page scaling factor : 1



## Font Information

|   | PostScript font name     | Type     | Embedded as | Subset | Encoding |
|---|--------------------------|----------|-------------|--------|----------|
| 🔍 | ArialMT                  | TrueType | TrueType    | yes    | WinAnsi  |
| 🔍 | Courier                  | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | Helvetica                | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | MinionPro-Regular        | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | MyriadPro-Cond           | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | MyriadPro-CondIt         | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | MyriadPro-SemiboldCond   | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | MyriadPro-SemiboldSemiCn | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | OCRB                     | Type 1   | Type 1      | yes    | Custom   |
| 🔍 | Springnew-Regular        | Type 1   | Type 1      | yes    | Custom   |



## Image Information

| Type  | Color Space | Size (pixels) | Resolution (ppi) | Bits per channel | Page | Angle (degrees) | Shear | Flipped | Custom Transfer | Custom Halftone | Custom BG | Custom UCR |
|-------|-------------|---------------|------------------|------------------|------|-----------------|-------|---------|-----------------|-----------------|-----------|------------|
| Color | CMYK        | 1007x136      | 315.7x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | CMYK        | 1007x825      | 315.7x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | CMYK        | 1017x991      | 315.7x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | CMYK        | 1047x679      | 315.7x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | CMYK        | 577x402       | 315.6x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | CMYK        | 872x708       | 315.7x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | CMYK        | 9x1696        | 303.4x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | CMYK        | 9x7           | 303.4x304.3      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 1002x376      | 315.7x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 1011x378      | 315.7x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 105x107       | 314.5x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 1055x684      | 315.7x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 110x143       | 315x315.1        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 114x113       | 314.8x314.9      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 121x247       | 315.2x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 130x147       | 315.1x315.3      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 140x106       | 315.1x315.2      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 140x1132      | 315.1x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 140x283       | 314.8x315.4      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 141x237       | 315x315.4        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 145x144       | 315.4x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 147x709       | 314.9x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 148x1138      | 315.1x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 148x166       | 315.1x315.1      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 148x211       | 315.1x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 148x292       | 315.1x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 148x567       | 315.1x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 148x75        | 315.1x314.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 149x136       | 315.3x315.3      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 151x150       | 315.1x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 151x210       | 315.1x315.4      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 151x266       | 315.1x315.4      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 151x792       | 315.1x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 156x533       | 315.5x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 163x165       | 315.2x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 165x135       | 315.5x315.1      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 171x171       | 315.2x315.2      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 192x129       | 315.4x315.2      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 2x15          | 315.1x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 203x35        | 315.3x313.2      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 210x144       | 315.4x315.3      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |



## Image Information

| Type  | Color Space | Size (pixels) | Resolution (ppi) | Bits per channel | Page | Angle (degrees) | Shear | Flipped | Custom Transfer | Custom Halftone | Custom BG | Custom UCR |
|-------|-------------|---------------|------------------|------------------|------|-----------------|-------|---------|-----------------|-----------------|-----------|------------|
| Color | Indexed     | 218x37        | 315.3x312.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 241x245       | 315.3x315.2      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 251x251       | 315.4x315.4      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 279x144       | 315.5x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 293x193       | 315.4x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 36x19         | 315.3x314.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 368x339       | 315.5x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 37x24         | 314.7x314.4      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 376x343       | 315.5x315.5      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 438x850       | 315.6x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 518x152       | 315.6x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 528x154       | 315.6x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 58x46         | 314.1x314.4      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 6x420         | 315.1x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 602x456       | 315.7x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 610x460       | 315.6x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 64x66         | 314x314.2        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 65x74         | 315.3x315        | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 670x143       | 315.7x315.1      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 713x426       | 315.7x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 72x72         | 314.6x314.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 721x559       | 315.6x315.6      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 729x145       | 315.6x315.2      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 85x143        | 315.2x315.1      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 9x62          | 303.4x313.8      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |
| Color | Indexed     | 9x958         | 303.4x315.7      | 8                | 1    | 0               | -     | -       | -               | -               | -         | -          |



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**OPI Information**

**No OPI**



| Item                                                                                                                           | Value                      |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|
|  Color Space<br>Page                          | CMYK<br>1                  |
|  Color Space<br>Page<br>Base Space<br>Range   | Indexed<br>1<br>CMYK<br>13 |
|  Color Space<br>Page<br>Base Space<br>Range   | Indexed<br>1<br>CMYK<br>7  |
|  Color Space<br>Page<br>Base Space<br>Range   | Indexed<br>1<br>CMYK<br>8  |
|  Color Space<br>Page<br>Base Space<br>Range   | Indexed<br>1<br>CMYK<br>37 |
|  Color Space<br>Page<br>Base Space<br>Range | Indexed<br>1<br>CMYK<br>0  |
|  Color Space<br>Page<br>Base Space<br>Range | Indexed<br>1<br>CMYK<br>2  |
|  Color Space<br>Page<br>Base Space<br>Range | Indexed<br>1<br>CMYK<br>26 |
|  Color Space<br>Page<br>Base Space<br>Range | Indexed<br>1<br>CMYK<br>41 |
|  Color Space<br>Page<br>Base Space<br>Range | Indexed<br>1<br>CMYK<br>51 |
|  Color Space                                | Indexed                    |



| Item                                                                                            | Value   |
|-------------------------------------------------------------------------------------------------|---------|
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 38      |
|  Color Space   | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 15      |
|  Color Space   | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 25      |
|  Color Space   | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 2       |
|  Color Space   | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 74      |
|  Color Space | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 143     |
|  Color Space | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 40      |
|  Color Space | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 111     |
|  Color Space | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 53      |
|  Color Space | Indexed |
| Page                                                                                            | 1       |
| Base Space                                                                                      | CMYK    |
| Range                                                                                           | 141     |



| Item        | Value   |
|-------------|---------|
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 90      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 33      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 4       |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 48      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 35      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 20      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 17      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 24      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 61      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 17      |



| Item        | Value   |
|-------------|---------|
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 104     |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 87      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 89      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 30      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 29      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 7       |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 8       |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 39      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 17      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 25      |



| Item        | Value   |
|-------------|---------|
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 17      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 25      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 12      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 10      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 167     |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 24      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 4       |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 7       |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 36      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 2       |



| Item        | Value   |
|-------------|---------|
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 105     |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 48      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 43      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 29      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 36      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 24      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 26      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 15      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 17      |
| Color Space | Indexed |
| Page        | 1       |
| Base Space  | CMYK    |
| Range       | 12      |



## Color Information

| Item                                                                                          | Value                                                                                   |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  Color Space | Separation (Process color)                                                              |
| Page                                                                                          | 1                                                                                       |
| Name                                                                                          |  Black |
| Alternate Space                                                                               | CMYK                                                                                    |
| CMYK values                                                                                   | [0, 0, 0, 1]                                                                            |



🔍 Document  
🔍 Page 1

| Ink     | Percentage | Surface       |
|---------|------------|---------------|
| Cyan    | 83.46%     | 585930 sq pt  |
| Magenta | 9.67%      | 67900 sq pt   |
| Yellow  | 37.53%     | 263487 sq pt  |
| Black   | 34.59%     | 242844 sq pt  |
| Total   | 165.26%    | 1160161 sq pt |



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## Output Intents

### GTS\_PDFX

|                             |                          |
|-----------------------------|--------------------------|
| Output condition            | ISO Coated v2 300% (ECI) |
| Output condition identifier | Custom                   |
| Additional information      | ISO Coated v2 300% (ECI) |
| Destination output profile  | ISO Coated v2 300% (ECI) |