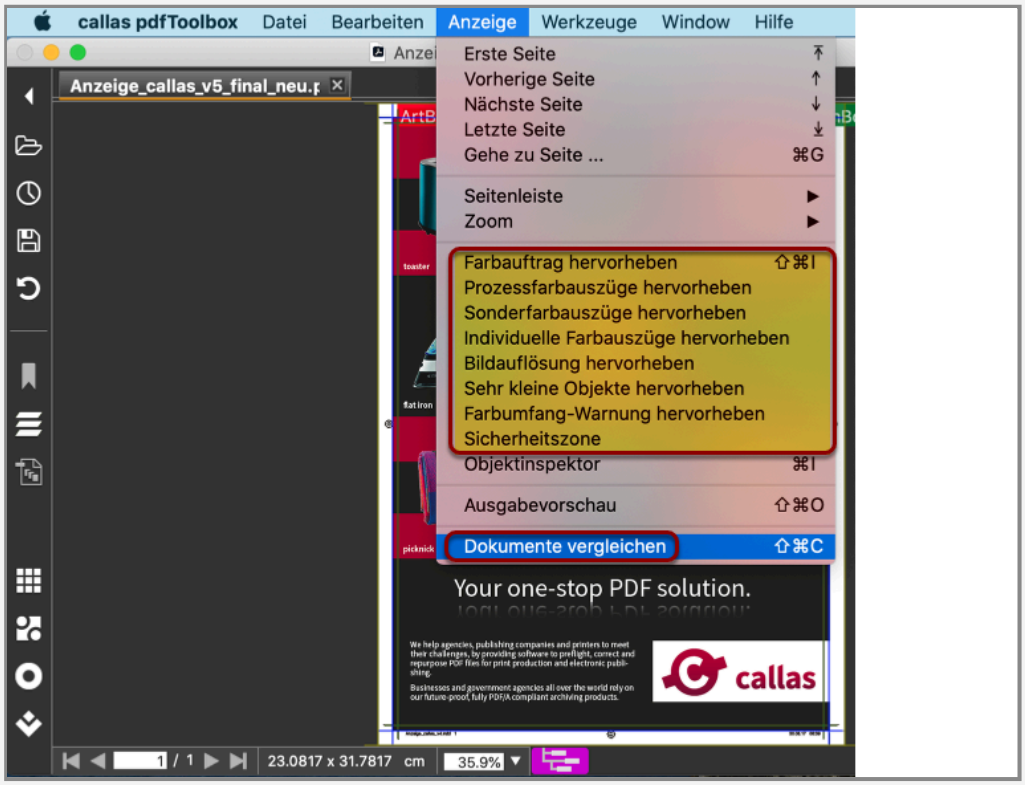
PDFs visualisieren und vergleichen

Mit dem Visualizer können Sie Aspekte einer Seite untersuchen, die für Druckzwecke relevant sein können, z. B. Farbanwendungen, Farbräume, Sicherheitszonen oder Seitenobjekttypen. Sie finden diese Option in der Kategorie "Berichte" und im Menü "Ansicht" der Standalone-Edition.

Die Funktion "Vergleichen" hingegen vergleicht einfach 2 PDFs und erstellt einen Report.



Visualizer auf CLI

```
--visualizer [--usebleed] [--safetyoutside=safetyoutside] [--safetyinside=safetyinside] [--gamut_method=gamut_method] [--gamut_targetprofile=gamut_targetprofile] [--gamut_currentprofile=gamut_currentprofile] [--gamut=gamut] [--smlobj=smlobj] [--inkcov=inkcov] [--bmpres=bmpres] [--imgres=imgres] [--part=part] [--resolution=resolution] [--sep_colors] [--jpegformat=jpegformat] [--compression=compression] [--imgformat=imgformat] [-p=p] [-l=l]
```

Zweck

Erstellen eines Reports, der druckrelevante Aspekte eines PDF-Dokuments auflistet. Einige Anwendungsbeispiele finden Sie in diesem article.

Parameter

usebleed	Width of BleedBox is used if existing, otherwise the default value or the value defined by “--safetyoutside” (default:off)
safetyoutside	Used as safety distance outside of the TrimBox, default: 3mm
safetyinside	Used as safety distance inside of the TrimBox, default: 3mm
gamut_method	Method used for Delta E (Default: Delta E 2000)
gamut_targetprofile	View in target color space
gamut_currentprofile	View in current color space
gamut	View in current and target color space and as heat map
smlobj	Threshold for small object coverage highlighting, see "Resolution output" (default: low)
inkcov	Threshold for ink coverage highlighting (default: 250)
bmpres	Threshold for bitmap resolution highlighting (default: 550)
imgres	Threshold for image resolution highlighting (default: 150)
part	See "Report parts"
jpegformat	Baseline_Standard, Progressive_3_Scan (default: Baseline_Standard)
imgformat	JPEG, PNG, TIFF, PDF (default: JPEG)
resolution	Resolution in ppi or width x height in pixel, e.g. 1024x800 (default: 72)
language	report language (e.g. en (English, default), de, es, fr or it)
sep_colors	Renders all individual separations in their respective color

Auflösung Ausgang:

Nachfolgend finden Sie die Werte, die als Schwellenwerte für die gewählte Ausgabeauflösung genommen werden.

	Text	Multicolored text	Line	Multicolored line
low	8 pt	10 pt	0.5 pt	2 pt
medium	5 pt	9 pt	0.125 pt	0.25 pt
high	5 pt	8 pt	0.125 pt	0.25 pt

Berichtsteile

Bildbericht:

all	all visualizer parts
full	regular page view
ink	all ink coverage views
ink_temp	ink coverage above threshold
ink_topo	ink coverage topographic view
process	all process color views
process_CMYK	CMYK channels (without spots)
process_CMY	CMY
process_K	K channel only
spot	all spot color views
spot_spots	spot color channels
spot_spots_K	spot color + K channels
spot_CMYK	CMYK channels (without spots)
sep	all individual separations
sep_process	all individual process separations
sep_spot	all individual spot color separations

sep:<NAME>	separation of colorant with name <NAME>
imgres	all image resolution views
imgres_img	image resolution below threshold
imgres_bmp	bitmap resolution below threshold
smallobj	all small object views
smallobj_text	very small text objects below threshold
smallobj_lines	very small vector objects below threshold
safety_zone	display safety zone inside and outside of Trim-Box

Example:

```
pdfToolbox --visualizer --smlobj=medium --inkcov=300
--part=ink --imgformat=png --pagerange=1-5 <PDF file>
```

Click to copy

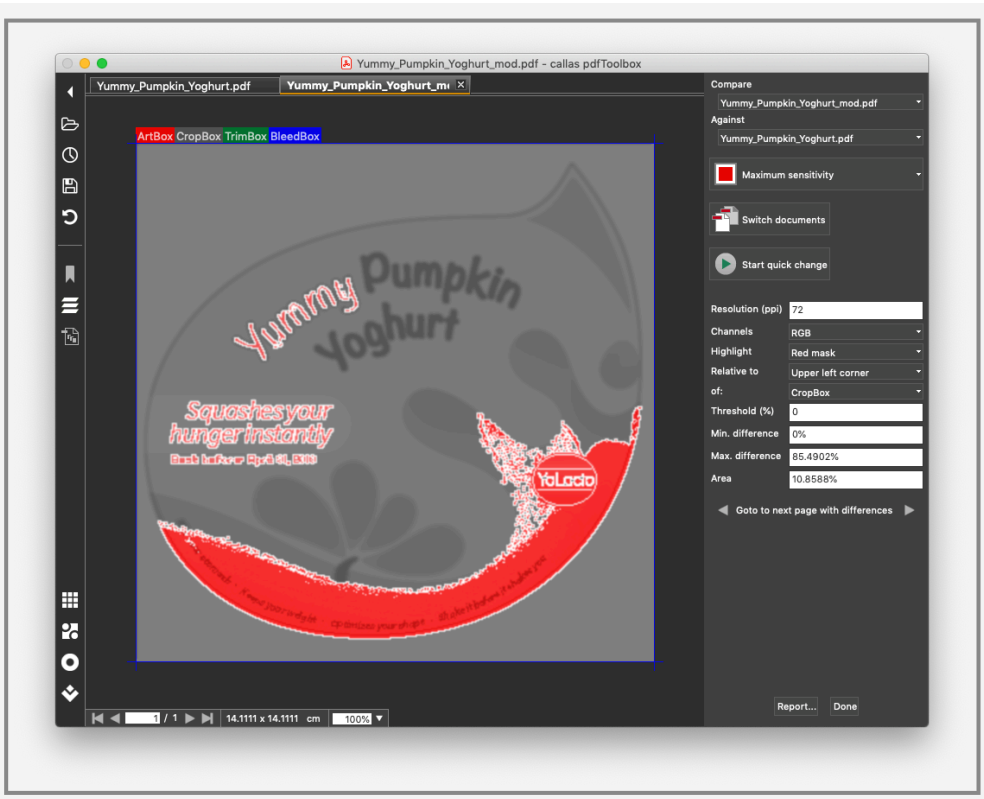
Bitte beachten Sie, dass 'pdfreport' als Format nur bis einschließlich pdfToolbox 11 funktionsfähig ist.

PDF-Vergleich

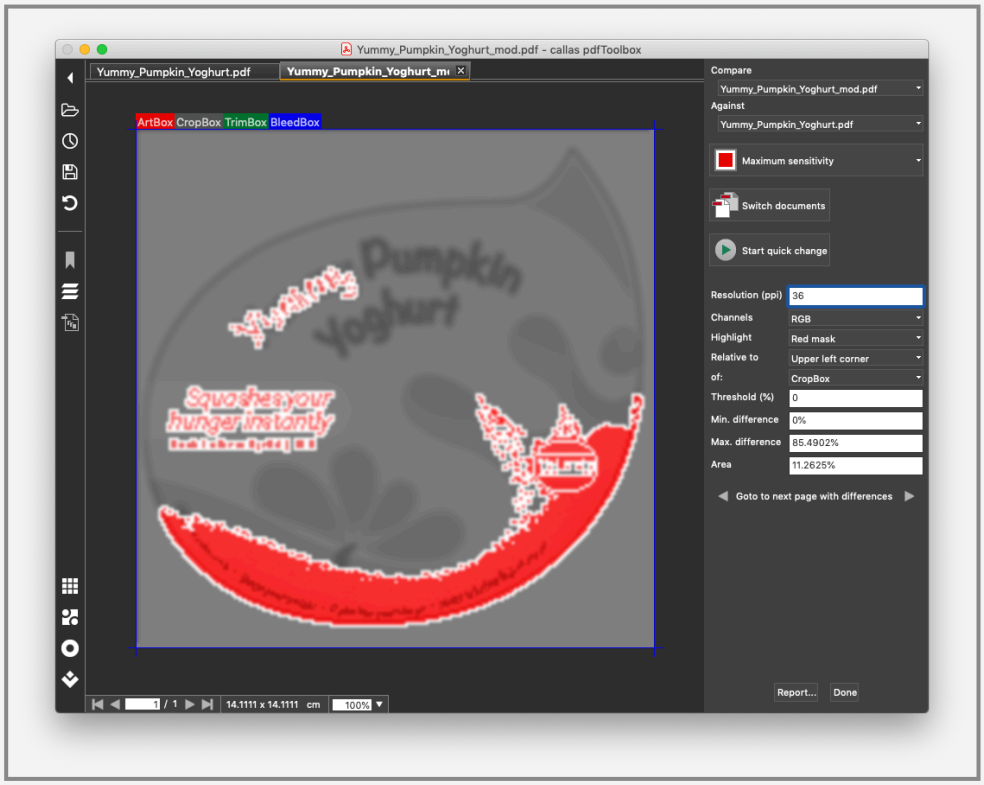
Die Vergleichsfunktion in pdfToolbox 12 Desktop kommt mit einer Auflösungseinstellung zum Vergleichen der Parameter und der Möglichkeit, bei Unterschieden einfach zur vorherigen oder nächsten Seite zu navigieren.

Auch "Delta C"- und "Delta E"-Varianten wurden als neue Kanäle mit pdfToolbox 12 hinzugefügt.

Unten sehen Sie einen Vergleich von 2 Dateien mit 72 ppi:



Unten sehen Sie einen Vergleich von 2 Dateien mit 36 ppi (wobei die Pixel aufgrund der niedrigen Rendering-Auflösung zu sehen sind):



Compare auf CLI

```
--compare [--threshold=20] [--areathreshold=5] [--diffres=150] [--format=images] [--channels=rgb] [--areathreshold=areathreshold] [--threshold=threshold] [--anchor=anchor] [--anchorbox=anchorbox] [--offset=offset] [--pagebox=pagebox] [--nosimulateoverprint] [--colorspace=colorspace] [--jpegformat=Baseline_Standard] [--compression=JPEG_medium] [--imgformat=JPEG] [--onlydifferences] [--anchor=upper-left] [--anchorbox=CROPBOX] [--offset=5mm,5mm] --pagebox=CROPBOX] <PDF file 1> <PDF file 2>
```

Zweck

Vergleicht zwei PDF-Dokumente und erstellt einen Report.

Parameter

channels	optional, channels to be compared, any of: RGB (default, including spot colors), CMYK, CMY (both including spot colors), or as separation (without spot colors): PROCESS_CMYK, PROCESS_CMY, PROCESS_C, PROCESS_M, PROCESS_Y, PROCESS_K

onlydifferences	Only emit pages that have differences
highlighting	optional, highlighting format for differences, redmask (default), mask
diffres	Resolution used for comparison in ppi (Default = 72 ppi)
threshold	optional, defines the difference highlighting in % of the compared pixel, to be used instead of --sensitivity Default = 0% (highest sensibility)
sensitivity	deprecated parameter - use threshold controls difference highlighting, any of: maximum: Maximum sensitivity (default) medium: Medium sensitivity minimum: Minimum sensitivity
areathreshold	optional, defines the threshold for the area with pixel differences above value defined with parameter "threshold"
format	Compare report format, any of: pdfreport (default), imgreport, images, template
nosimulateoverprint	optional, deactivates simulate overprinting
colorspace	optional, one of: RGB, CMYK, Gray (default: RGB) (only applicable if report format is images)
jpegformat	optional, Baseline_Standard (default), Progressive_3_Scan (only applicable if report format is images)
compression	optional, JPEG_low, JPEG_medium (default), JPEG_high (only applicable if report format is images)
imgformat	optional, JPEG, PNG, TIFF (default: JPEG) (only applicable if report format is images)
anchor	optional, page box anchor point used to align the two page images for comparison (default: upperleft) - lowerleft: Use lower left corner of anchor box of page - bottom: Use center of lower edge of anchor box of page - lowerright: Use lower right corner of anchor box of page

	- right: Use center of right edge of anchor box of page - upperright: Use upper right corner of anchor box of page - top: Use center of top edge of anchor box of page - upperleft: Use upper left corner of anchor box of page - left: Use center of left edge of anchor box of page - center: Use center of anchor box of page
anchorbox	optional, page box used to align the two page images for comparison (default: CROPBOX) - MEDIABOX: Use MediaBox of page - CROPBOX: Use CropBox of page - TRIMBOX: Use TrimBox of page - BLEEDBOX: Use BleedBox of page - ARTBOX: Use ArtBox of page
offset	optional, offset to anchor point used to align the two page images for comparison. (default: 0,0): <x-offset>[<unit>],<x-offset>[<unit>] - x-offset: Move second document to the right - y-offset: Move second document upwards - unit: Optional unit for offsets: mm, inch, pt (default: mm)
pagebox	optional, render pages using a page geometry box (default: CROPBOX) - MEDIABOX: Render MediaBox of page - CROPBOX: Render CropBox of page - TRIMBOX: Render TrimBox of page - BLEEDBOX: Render BleedBox of page - ARTBOX: Render ArtBox of page

Example

```
pdfToolbox --compare --threshold=2 --areathreshold=5 <PDF file 1> <PDF file 2>
```