



Adobe

Adobe Acrobat and Reader: The Reading Experience

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Agenda

- Acrobat Features making it easier to make PDF documents accessible
- Reader's Interface Components
 - Setup Assistant
 - Info we make available to assistive technology
 - Zoom feature
 - Save to alternative formats
 - Proper document Structure
 - Untagged vs. scanned documents
 - Support for complex XFA forms
 - Remind authors to use accessibility tools

Accessibility Enhancements That Make Content Preparation Easy

Continued support of enhancements introduced in Acrobat XI to help make the process of creating accessible PDF content easier, including:

- Improved Make Accessible Action – Acrobat Pro
- Interactive Accessibility Checking Experience – Acrobat Pro
- Synchronized Selection - Acrobat Pro
- Reading Order Pane Improvements - Acrobat Pro
- More Heading Levels in the TouchUp Reading Order Tool - Acrobat Pro
- Verification Updated for the Latest Accessibility Standards – Acrobat Pro
- Exposure of Textual Page Labels via Accessibility APIs – All Versions (NVDA today)

Adobe Reader User Interface Components

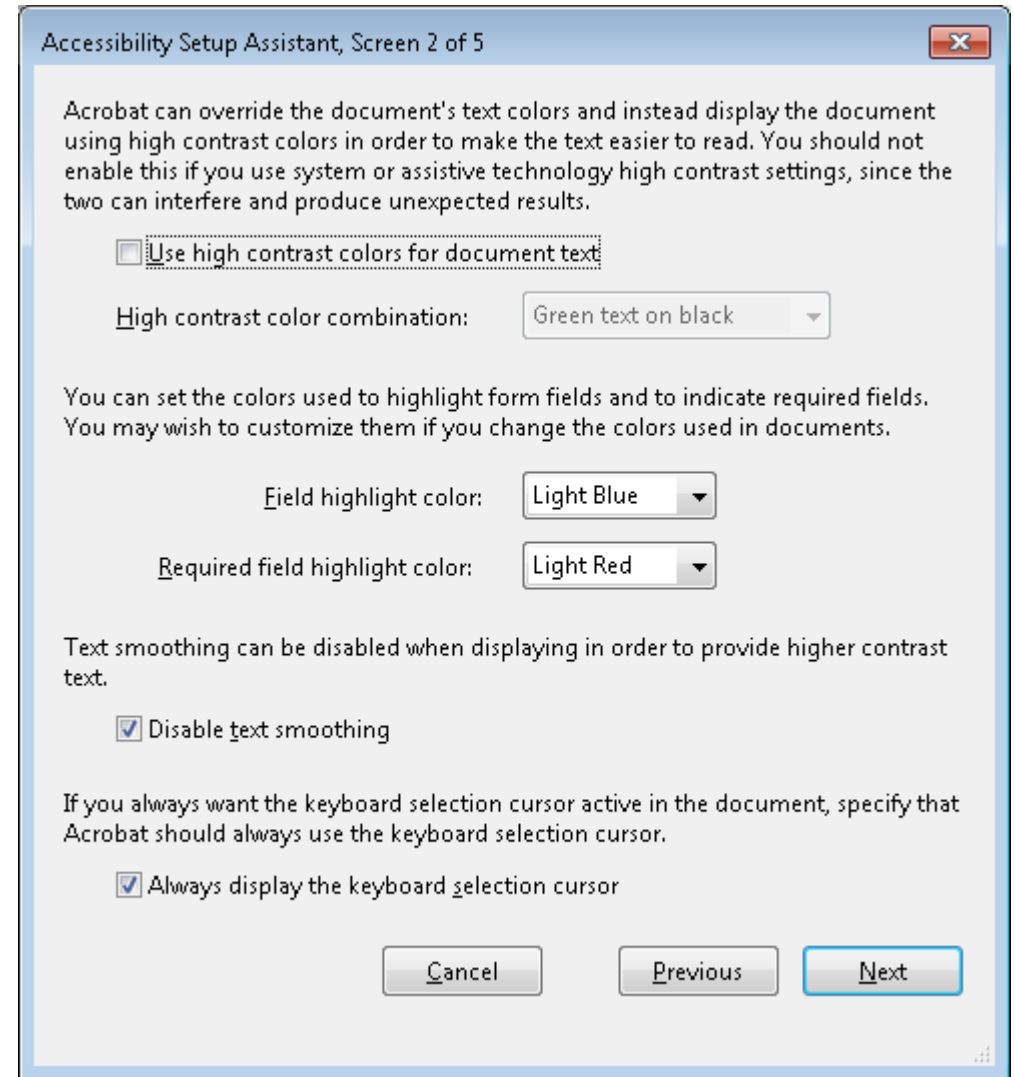
- F6 moves between Navigation Panel, Document Window, and Task Panes
- Menu Bar (F10, Left Right Arrow Keys)
 - F9 toggles the Menu Bar On and Off
- Toolbar (Shift +F8)

- **Accessibility Setup Assistant**

- The Accessibility Setup Assistant is a step-by-step interface that walks the user through settings which are important for different users.
- High contrast settings
- Document tagging and reading order
- Large document reading behavior
- Zoom override
- PDF in the browser

Accessibility Setup Assistant

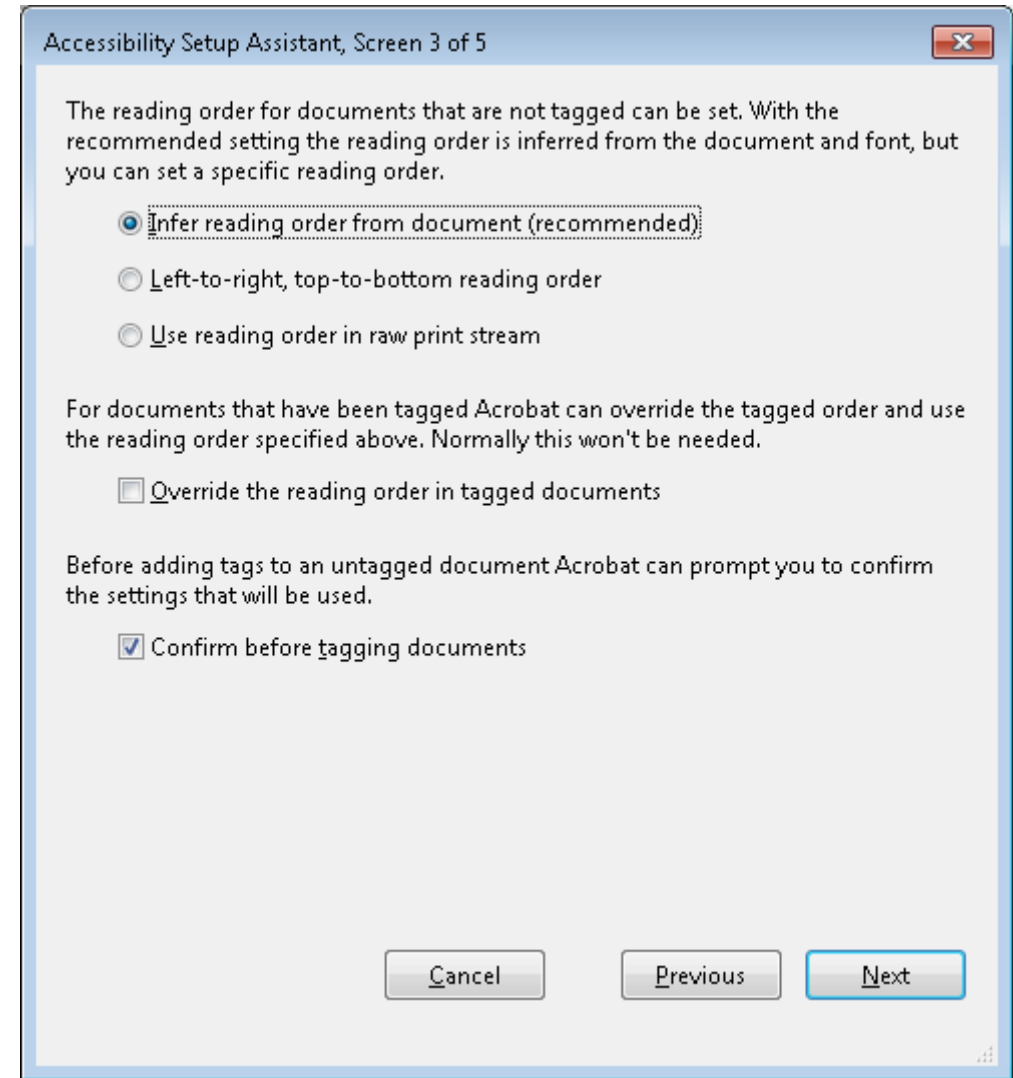
- High contrast settings enable users to set foreground and background colors for documents that are better suited to individual viewing preferences.
- Users can select
 - Adopt system high contrast settings (Windows)
 - Pre-configured color combinations
 - Custom foreground and background



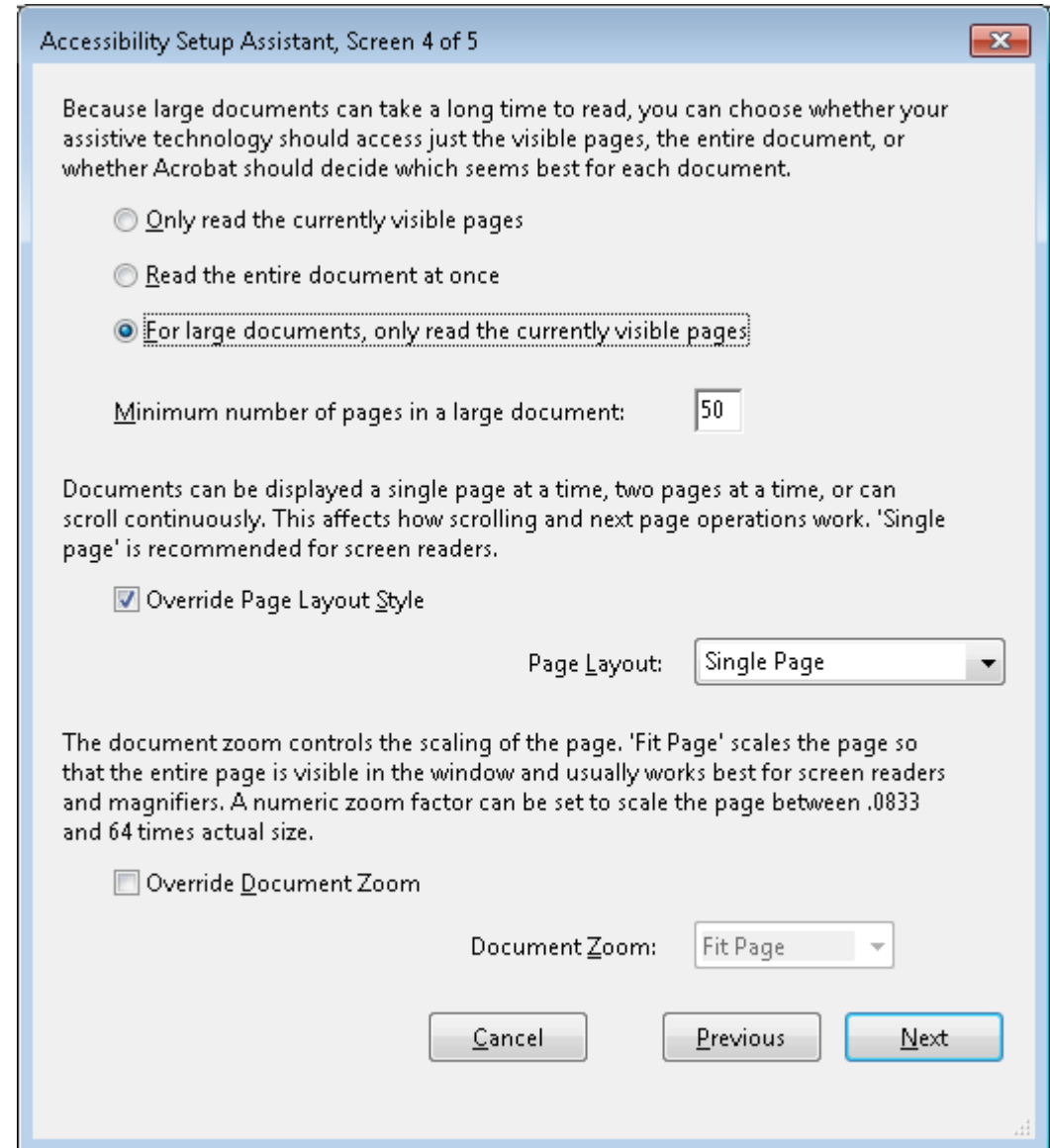
Accessibility Setup Assistant

- Set the reading order preference.
 - Infer reading order (recommended): Uses special layout analysis algorithm to determine how it can be read best
 - Left-to-right, Top-to-bottom: Presents content as indicated, no attempt to analyze.

- Setting to “Confirm before adding tags”



- Large document behavior settings



Large Document Handling: Load Visible Pages Vs Full Document

- Large documents take a bit longer to load using full document selection, however recent improvements to Reader plus more powerful computers make this option a much better choice than in the past and it's possible to use your screen reader's built-in navigation
 - Headings
 - Paragraphs
 - Lists
 - Tables
 - Links
 - Form Controls
- While loading only visible pages is quicker, one loses ability to use the above powerful navigation techniques.

- Other Accessibility Setting Locations in addition to the Setup Assistant
 - Preferences Dialog (Ctrl K)
 - Accessibility Panel
 - Reading Panel
 - Multimedia (Legacy) Panel
 - Forms Panel
 - General
 - Full Screen
 - Measuring (2d, 3d, geo)
 - Spelling

Adobe Reader Supports Standard Structure Types

- Documents that are properly prepared (tagged) can include
 - Paragraphs
 - Headings
 - Lists
 - Images
 - Tables
 - Links
 - Form controls
 - JavaScript dialog boxes (Used for form field validation messages and custom scripting)
- Adobe Reader provides information about these structure types to assistive technologies to handled in the same way that HTML content is read.

Other Info Available to Screen Readers

- What page am I on?
 - Control+Shift+N
 - Toolbar information
- Navigating bookmarks
- Secure documents – yellow ribbon
 - Navigable with F6 command

Zoom And Reflow

- Zoom in: Control+Equals sign
- Zoom Out: Control+Hyphen
- Reflow: Control+F4

Save to Alternative Formats

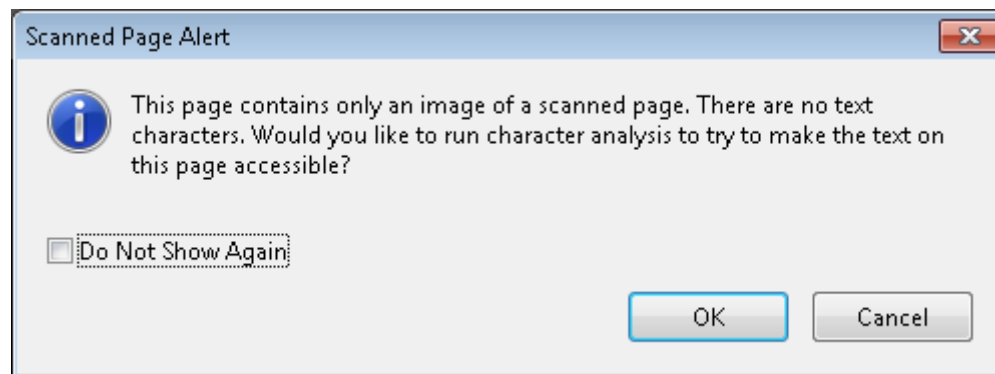
- Option to “Save as Accessible Text” default
 - Repurpose in an Authoring Application
 - Also helpful for users who may want to make hardcopy Braille
 - Mechanism for reformatting and repurposing content for other devices (i.e. smart devices)

Support For Complex XFA Forms

- Dynamic forms
- Date fields support
- Edit combo fields

Scanned Documents

- Not all PDF documents are prepared properly
- If Reader detects a document that is not properly tagged, it will attempt to correct the situation and presents a dialog with options.
- If the document was created as a scanned image with no text, you need Acrobat Pro to scan the image and attempt to recognize the text.



- What is a PDF Portfolio
 - A PDF file that serves as an archive for other documents and multimedia files.
 - Multiple files assembled into an integrated PDF unit.
 - The files in a Portfolio can be in different formats and created in different applications.
 - For example, a Portfolio can contain text files, e-mail messages, MP3 files, spreadsheets, and PowerPoint presentations as well as other PDF files of course.

Take care of Accessibility in source documents

- Acrobat XI Pro is the best tool for creating accessible PDFs & other documents.
- But Acrobat isn't where you start creating your documents.
- Think about accessibility when you start creating your documents.
- Word, Open Office Writer, etc.
- Use the accessibility features in your source editors.

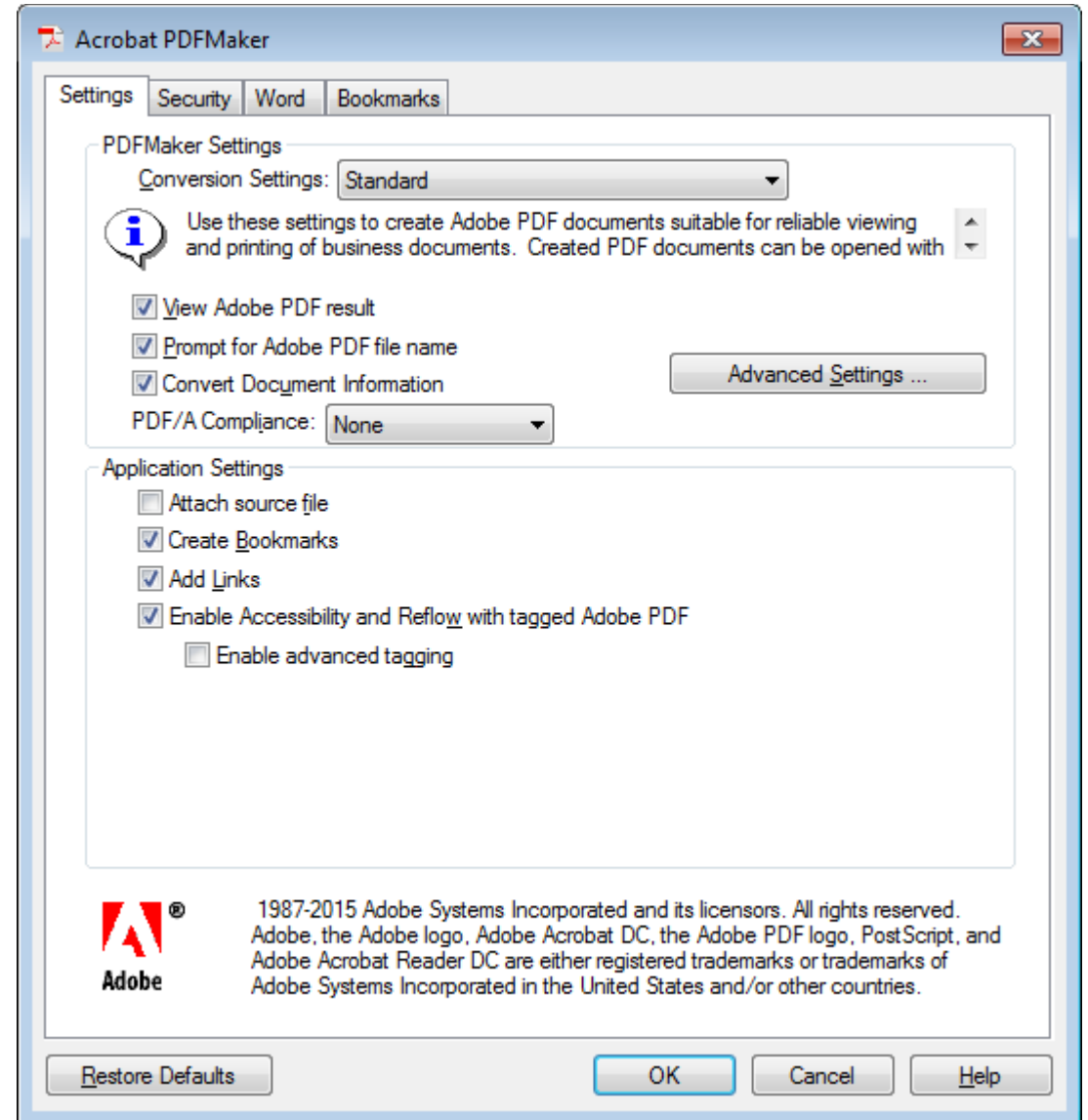
Easier & cheaper when converting to other accessible formats.

Repair after conversion is always more expensive.

Use Acrobat Pro for final checking & minor repair.

Microsoft Word to Accessible PDF – Use Adobe PDFMaker

- Microsoft Word with Adobe PDF Maker
 - Requires Acrobat Pro
 - Make sure the “Enable Accessibility and Reflow with tagged PDF” option is checked.



New version of Acrobat coming soon

VoiceOver support on Mac OS 10.10 X (Yosemite)

- Read content of PDF documents
- Add tags to documents if needed
- Some form filling capability

High-contrast improvements on OS X and Windows

- Adobe's Accessibility Website
<http://adobe.com/accessibility>
- Adobe's Acrobat Accessibility Guides
<http://adobe.com/accessibility/products/acrobat/training.html>
- Adobe Accessibility Blog
<http://blogs.adobe.com/accessibility>



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