Autodesk Tinkercad Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.5)

Name of Product/Version: Tinkercad

Report Date: September 2024

Product Description: Tinkercad is a free web app for 3D design, electronics, and coding. We're the ideal introduction to Autodesk, a global leader in design and make technology.

Contact Information: tinkercad.support@autodesk.com

Notes: Evaluation based on version available to public on report date.

Throughout this report, "**Website**" refers to the experience in web pages at tinkercad.com excluding the design editors and related screens; "**Software**" refers to the experience inside the editors as a user creates a design and related screens (3d, Circuits, Codeblocks).

Evaluation Methods Used: Testing is based on knowledge of general product functionality

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes)

Standard/Guideline	Included In Report
	Level AA (Yes)
	Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports**: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- **Not Applicable**: The criterion is not relevant to the product.
- **Not Evaluated**: The product has not been evaluated against the criterion. This can only be used in WCAG Level AAA criteria.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the WCAG 2.0 Conformance Requirements.

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	Web: We provide text alternatives for some non-text content on the website and dashboard. Software: Tools, buttons, and Icons have tooltips.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	Web: The website contains some prerecorded video-only multimedia. The site does not contain any prerecorded audio-only multimedia. Software: Onboarding videos have accompanying text to convey the message.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Not Applicable	Web: There are some videos with audio that do not have captions.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Does not support Software: Partially supports	Web: There are some help article videos that do not include voiceover audio narration. Software: Onboarding videos have accompanying text to convey the message.
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Web: Partially supports Software: Partially supports	Software: Shapes and tools have text tooltips

Criteria	Conformance Level	Remarks and Explanations
• 602.3 (Support Docs)		
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	Web: Content is mostly ordered in a meaningful sequence.
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Partially supports	Web: The website does not identify content only by its shape or location. Software: Tools, buttons, lessons use both positioning and tooltips to help identify the icon.
1.4.1 Use of Color (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Supports	Web: On the website, color is generally not the only visual means of conveying information. However, there are a few places where links are only indicated by color. Software: Does not rely on color alone to convey meaning.
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Not applicable	Web: The website does not contain any audio that plays automatically. Software: The software does not contain any audio that plays automatically.
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	Web: Most of the website can be browsed by keyboard interactions but there are a few exceptions. Software: The software supports keyboard shortcuts. However, many of the key design workflows cannot be completed without use of a mouse or other precise input.

Criteria	Conformance Level	Remarks and Explanations
2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	Web: Most of the website can be browsed by keyboard interactions without trapping the user but there may be a few exceptions. Software: There are some instances where users might become trapped when navigating with a keyboard.
2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Supports	Web: There are no time limits when viewing or interacting with the website that would cause unexpected context changes. Software: There are no time limits when using the editor.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Does not support Software: Supports	Web: Some multimedia video content does not have pause or stop controls. Software: Not applicable – there are no known cases where the software moves, blinks or scrolls automatically.
2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Supports	Web: There are no known places on the website that flash consecutively 3 times within a 1 second period. Software: Not applicable – there are no known cases where the software flashes more than 3 times in 1 second.
2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Web: Does not support Software: Does not support	Web: There is currently no mechanism available to bypass blocks of content that are repeated on multiple web pages. Software: There is currently no support to bypass blocks of content in the editor.

Criteria	Conformance Level	Remarks and Explanations

2.4.2 Page Titled (Level A)
Also applies to:
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Web: Supports
	
	Software: Supports
		Web: Web pages have titles that describe their topic or purpose.
		
		Software: The software uses html title elements.

2.4.3 Focus Order (Level A)
Also applies to:
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Web: Partially supports
	
	Software: Does not support
		Web: Most pages can be navigated sequentially in an order that preserves meaning and operability but there may be some exceptions.
		
		Software: The software does not currently support full keyboard navigation.

2.4.4 Link Purpose (In Context) (Level A)
Also applies to:
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Web: Partially supports
	
	Software: Partially supports
		Web: The website includes many clickable items such as buttons, hyperlinks, and thumbnails. Most of these clearly communicate their destination.

3.1.1 Language of Page (Level A)
Also applies to:
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Web: Supports
	
	Software: Supports
		Web: The language of the application is programmatically determinable.

3.2.1 On Focus (Level A)
Also applies to:
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Web: Supports
	
	Software: Supports
		Web: No changes of context occur when any interface components receive focus.

3.2.2 On Input (Level A) Also applies to: Revised Section 508	Web: Supports Software: Supports	Web: No changes of context occur when users enter data into any interface components. The website does not have any forms that automatically submit. It does

Criteria	Conformance Level	Remarks and Explanations
• 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		not launch new windows with selection of radio buttons or checkboxes.
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Partially supports	Web: Website forms provide in-context error messaging on validation. Software: Some errors give a general message; some are in context with specifics.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	Web: Some of the website text, input fields, and buttons have programmatically determinable label content.
4.1.1 Parsing (Level A) Also applies to: WCAG 2.0 – Always answer 'Supports' Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	For WCAG 2.0 and the 508 standards, the September 2023 errata update indicates this criterion is always supported. See the WCAG 2.0 Editorial Errata. Web: The application does not contain significant parsing or formatting errors.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Not supported	Web: The name and role of most user interface components can be programmatically determined.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Not applicable Software: Not applicable	
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Not applicable Software: Not applicable	
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Partially supports Software: Partially supports	Web: A contrast ratio of at least 4.5:1 exists between text and backgrounds in almost all cases with a few exceptions.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Supports	Web: The website supports zoom and text resizes accordingly. Software: Supports zooming in editors, as well as adjusting text sizes in circuits coding editor.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Web: Supports Software: Supports	Web: The website does not rely on images of text.

Criteria	Conformance Level	Remarks and Explanations
• 602.3 (Support Docs)		
2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Web: Does not support Software: Does not support	Web: The website does not have a table of contents or sitemap. The search function only searches designs and not website content. Software: Software does not have a table of contents.
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Supports	
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Does not support	Web: The focus indicator is visible when navigating with a keyboard.
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Does not support Software: Does not support	Web: The human language of each passage or phrase in the content cannot be programmatically determined.
3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Web: Supports Software: Supports	Web: Navigational mechanisms occur in the same relative order each time they are repeated.
3.2.4 Consistent Identification (Level AA)	Web: Partially supports	

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Software: Partially supports	
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Not applicable	Web: Where applicable, website forms do provide suggested correction text.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Web: Supports Software: Supports	Web: Whenever a user deletes their design data we provide a path to recover those designs.

Table 3: Success Criteria, Level AAA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Web: Does not support Software: Does not support Does not support	
1.2.7 Extended Audio Description (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Web: Does not support Software: Does not support	
1.2.8 Media Alternative (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Web: Does not support	

Criteria	Conformance Level	Remarks and Explanations
	Software: Does not support	
1.2.9 Audio-only (Live) (Level AAA) Revised Section 508 – Does not apply	Web: Not applicable Software: Not applicable	
1.4.6 Contrast (Enhanced) (Level AAA) Revised Section 508 – Does not apply	Web: Does not support Software: Does not support	
1.4.7 Low or No Background Audio (Level AAA) Revised Section 508 – Does not apply	Web: Not applicable Software: Not applicable	
1.4.8 Visual Presentation (Level AAA) Revised Section 508 – Does not apply	Web: Partially supports Software: Partially supports	
1.4.9 Images of Text (No Exception) (Level AAA) Revised Section 508 – Does not apply	Web: Supports Software: Supports	
2.1.3 Keyboard (No Exception) (Level AAA) Revised Section 508 – Does not apply	Web: Does not support Software: Does not support	
2.2.3 No Timing (Level AAA) Revised Section 508 – Does not apply	Web: Supports Software: Supports	
2.2.4 Interruptions (Level AAA) Revised Section 508 – Does not apply	Web: Supports Software: Supports	
2.2.5 Re-authenticating (Level AAA) Revised Section 508 – Does not apply	Web: Supports Software: Supports	
2.3.2 Three Flashes (Level AAA) Revised Section 508 – Does not apply	Web: Partially supports Software: Supports	

Criteria	Conformance Level	Remarks and Explanations
2.4.8 Location (Level AAA) Revised Section 508 – Does not apply	Web: Supports Software: Not applicable	
2.4.9 Link Purpose (Link Only) (Level AAA) Revised Section 508 – Does not apply	Web: Partially supports Software: Partially supports	
2.4.10 Section Headings (Level AAA) Revised Section 508 – Does not apply	Web: Supports Software: Supports	
3.1.3 Unusual Words (Level AAA) Revised Section 508 – Does not apply	Web: Does not support Software: Does not support	
3.1.4 Abbreviations (Level AAA) Revised Section 508 – Does not apply	Web: Partially supports Software: Partially supports	
3.1.5 Reading Level (Level AAA) Revised Section 508 – Does not apply	Web: Partially supports Software: Supports	
3.1.6 Pronunciation (Level AAA) Revised Section 508 – Does not apply	Web: Does not support Software: Does not support	
3.2.5 Change on Request (Level AAA) Revised Section 508 – Does not apply	Web: Supports Software: Supports	
3.3.5 Help (Level AAA) Revised Section 508 – Does not apply	Web: Does not support Software: Partially supports	
3.3.6 Error Prevention (All) (Level AAA) Revised Section 508 – Does not apply	Web: Partially supports Software: Supports	

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Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Does not Support	The software's primary uses require creation of graphic images and 3D content and is a highly visual dependent application.
302.2 With Limited Vision	Partially Supports	The interface supports screen scaling as set by the browser and has additional settings for scaling interface elements
302.3 Without Perception of Color	Partially Supports	Color-coding is not generally used as the only means of conveying information.
302.4 Without Hearing	Supports	Hearing is not necessary to operate the software.
302.5 With Limited Hearing	Supports	Hearing is not necessary to operate the software.
302.6 Without Speech	Supports	Speaking is not necessary to operate the software.
302.7 With Limited Manipulation	Does not support	The use of a mouse or tablet (touch) is necessary to perform adjustments to images or parameters
302.8 With Limited Reach and Strength	Supports	
302.9 With Limited Language, Cognitive, and Learning Abilities	Does not Support	The software does not provide specific modes where features can be operated with some cognitive & learning disabilities.

Chapter 4: [Hardware](#)

Chapter 5: [Software](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.x section	See information in WCAG 2.x section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Partially Supports	The software provides some of the required information to support user control of the accessibility features of the browser (such as supporting screen readers), but the accessibility features are not comprehensively or consistently operational across all UI controls and features of the application.
502.2.2 No Disruption of Accessibility Features	Partially Supports	The software does not generally disrupt or disable the browser's accessibility features, but they are not comprehensively or consistently operational across all UI controls and application features.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Partially supports	Tinkercad tools have an icon and a tooltip; tools have a supporting shortcut key.
502.3.2 Modification of Object Information	Does not support	
502.3.3 Row, Column, and Headers	Not applicable	
502.3.4 Values	Does not support	
502.3.5 Modification of Values	Does not support	

Criteria	Conformance Level	Remarks and Explanations
502.3.6 Label Relationships	Does not support	
502.3.7 Hierarchical Relationships	Does not support	
502.3.8 Text	Does not support	
502.3.9 Modification of Text	Does not support	
502.3.10 List of Actions	Does not support	
502.3.11 Actions on Objects	Does not support	
502.3.12 Focus Cursor	Does not support	
502.3.13 Modification of Focus Cursor	Does not support	
502.3.14 Event Notification	Does not support	
502.4 Platform Accessibility Features	Does not support	
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Partially Supports	The software does provide user preferences for control of certain UI properties. Browser settings may be saved for a consistent experience.
503.3 Alternative User Interfaces	Not applicable	
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Partially supports	Where we use YouTube videos, closed captioning is available.
503.4.2 Audio Description Controls	Partially supports	
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See WCAG 2.x section	See information in WCAG 2.x section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Does not support	The Software does not pass through any metadata relative to accessibility.
504.2.2 PDF Export	Partially supports	Circuit schematics supports PDF export
504.3 Prompts	Does not support	
504.4 Templates	Does not support	

Chapter 6: Support Documentation and Services

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Partially supports	Limited documentation on accessibility features.
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not applicable	Autodesk does not provide Non-Electronic Support Documentation for the application.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	This document is posted at www.autodesk.com. Search for "Section 508"
603.3 Accommodation of Communication Needs	Partially supports	Support services options are available via web page and email.

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