Accessibility of Open Access Books

	PDF	EPUB
Grade A	0.5%	13%
Grade B	71%	20%
Grade C	7190	38%
Grade D	25%	28%
Grade F	2%	1%



Easy fix?

Can we improve the description of pictures, using the AI tool Claude? We tested this for 100 random images from books of the OAPEN collection. Where the publisher has made an effort to supply alt-text, they did better than the Al. The Al gets confused by characters and icons, which might be improved by changing the prompt. Ironically, Al works best

Alt-text: Dos and don'ts

- use an empty string for purely decorative

- when an image is meant to convey an action, try to use a single word: download" or "email".

- remember that the purpose of a cover image is

to intrique a reader.

- use the language of the text for the alt-text - think about what an image is meant to convey

- use text like "image" or "figure 22" in alt-text. That's just taunting a blind

- use the file name for alt text

- repeat what is already in a caption. - describe details that are irrelevant to

- describe logos. Just identify them.

- make up shit

How did we grade?

EPUB accessibility grades (1157 books):

• A (156 books) These EPUB3 files had useful alt-text and accessibility data.

• B (226 books) These EPUB3 books had accessibility data but no useful alt-text.

• C (443 books) These EPUB3 files need accessibility mitigation.

• D (329 books) These EPUB2 files will be hard to upgrade for accessibility.

• F (13 books) These books failed to download as EPUB files.

PDF accessibility grades (based on 1000 randomly sampled books):

• A (5 books): These PDFs comply with WCAG-1 and PDF-UA accessibility

• B or C (714 books): These PDFs comply with WCAG-1 requirements but fail

PDF-UA accessibility requirements.
D (251 books): These PDF fail all requirements tested.
F (20 books): The PDFs could not be opened. (Either too big or not valid PDF)

Focus on: Alt-text

Image	Publisher Alt-Text	AI Alt-Text
-/	"img10-pag"	"The image shows a close-up view of a grey wolf standing in a grassy field. The we has thick gray fur, pointed east, and is locking directly at the camera with its golden eyes. A shallow depth of field keeps the background bluned while the wolfs face is diary focus."
	jes	"The black and white image above a Burger King restaurant streethers. Standing in other restaurant retory-cong distliner, an older gift in a long-does holding a cou- gist's hand. The Burger King logo is preemnently displayed on a large round sign sh the entrance."
建玖皮	"image"	"Three Chinese characters written in calligraphy style using black ink on white background."
TEN STATE	FIGURE 39. Advertisement for Verdoms—personed for its address, 6666 Street blod, and its posturité so the Witter Cade-he but rice per probletable by Verdom's younge, W. R. Witterser, Source: "6666 Street Blot." [Advertisement], Hellywood Segrent, April 34, 1976. James Street, 1976. 1976	The image is a vitage-opte may showing the location of Stanet Rederood and Haghband Avenue in the Angelon. In mention: The Worlds For copies seen in Child 1666-Stanet opens soon in Hollywood!" The address of 666 Stanet Blud is highlight along with most permanging a new bassess supering those called "Hob-Bell". The re- uses a fun, veto graphic Occips style with hold lines and shapes."
_	"Graph depicting the gap in tetal outgoing requests and transfers"	"The line graph shows the total outgoing requests and outgoing transfers over time 2004 to 2016. Both metrics have increased exponentially, with total outgoing reque proving from around (20,000 in 2004 to over 120,000 in 2016, while outgoing trans rose from nearly 0 to about 20,000 during the same period."
GEISS HSW	The Geiss Has Foundation lego."	'The image above a simple line drawing of the better 'GC', 'He' and 'F' overlappin cach other, with the test 'GESS HSU FOUNDATION' below it.'
OUNDATION	Flack Cover: A Fasion to Preserve: Gry Mea as Kopons of Culture, by Will Fellows guntile pietrus e broms (eds. Grop Guy and Lochian latticed blastly Activation Meister.) From Vision. Lander Library, Avant Frinitis. Industrial Company of the Company of Wisconson Fleen, Madison, Wisconson, Control Collan, Buy Windows, The University of Wisconson Fleen, Madison, Wisconson, Control Collan, Buy Windows, The University of Wisconson Fleen, Madison, Wisconson, Control Collan, Buy Windows, The University of Wisconson Fleen, Madison, Windows Control Colland, Buy Mindows, The University of Wisconson Fleen, Madison, Windows Protection Prince (1998), ed. 2016. Phys. Lett. 10, 1201-110. Phys. J. Phys. Lett. 10, 1201-110. Phys. Phys. Bell. 10, 1201-110. Phys. Phys. Bell Psychology Windows Phys. (1998) 2016. pp. 1201-110. Phys. Rev. Lett. 10, 1201-110. Phys. Phys. Phys. Phys. Phys. Rev. Lett. 10, 1201-110. Phys. Ph	"The irruge shows the back cover of a book tifed "Firm Boys" by Will Fellows, we was a finish for the Lambda Library Award in 1997. The book explores the libes men who gives up in rad commandamen and United Bosta, re-visifing early as the result of the commandament of United Bosta, re-visifing early as constitution. The cover features a photo of the author, a bald man with glasses smiling a camera."
,		"L'image mentre un gros plan en noir et blanc d'un cheval. La tête et le cou du che sont violètes, seve l'oni, los rasseaux et la crinière bien détaillés. L'image est contré l'enil expressif du cheval, qui regande directement la coméen. Le contrasse élevé ent genes claires et sombres crès une atmosphère dramatique et saisissante."
FIFLDS GOLD	"teures"	"The image shows the cover of a book tilted "Fields of Gold: Financing the Global Routh" by Modelier Fairtheim. The tilt to cox is in white on a weeden background similar saids scattered across the surface."
村民小组	"image"	"The image shows the Chinese characters "村民小語" written in a traditional Chin calligraphic style with black ink on a plain background."
SKNOTI BE PIECES IN THE DOTTETHIN OF ACTIONS IN	[†] corar ^a	The image, about the cover of a book titled "Signature Reises. On the Institution Authority" within a Progr Stand. The life and subsidier varies not primed in text on a dark green background, with a red vertical stripe on the right side of the course of the country of the cou
Section 1	"inages"	The image show instinction and earlier set an awardness does of poper. The so- wince in this is the and populs when popul one pince of pure. The paper has no statuted appearance with some stains or dissolutation. A small circular sump or se- visable in the upper right corner of the page.
brown	Screenshet of an iOS workflow to append clipboard sect*	"The image above on IOS Shericans workflow with the following actions: 1. Out Clipboard: Retrieves content flore the clipboard: Text. Allows extering or manipularing text. 1. Clipboard: Set his workflow's output to the elipboard: 4. Capp Clipboard: Copies flow workflow's output to the drovid's clipboard with an expirate insent of 27 Mrt has read by the workflow's extent adequate of notive occurre, possible of a set of the clipboard with an expirate insent of 25 Mrt has read by the workflow exem designed to entire occurre, possible of the clipboard, optically with an expiration than the clipboard of the clipboar