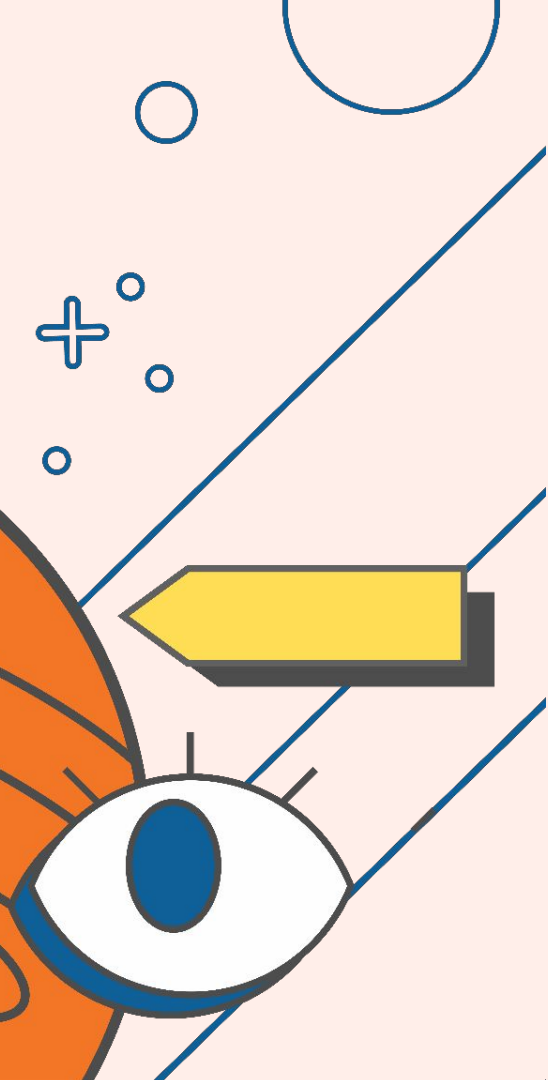




writing image descriptions for documentation

Jupyter Accessibility Workshop 2



reminders

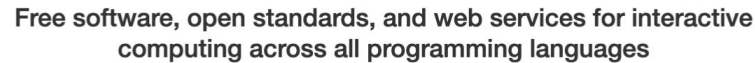
- by attending this event, you are agreeing to follow the event Code of Conduct
- this event will be recorded and posted publicly

welcome to Jupyter!



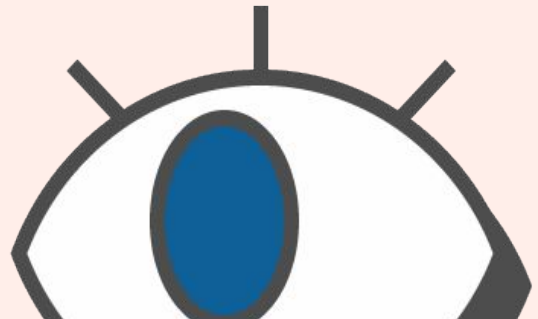
what is Jupyter?





Isabela Presedo-Floyd | Jupyter Accessibility Workshops | [Source](#)

what is accessibility?



**accessibility
is for everyone.**

curb cuts are for...



curb cuts are for...



curb cuts are for...



curb cuts are for...



curb cuts are for...



curb cuts are for...



**accessibility
is cross-project.**

accessibility needs to be considered across

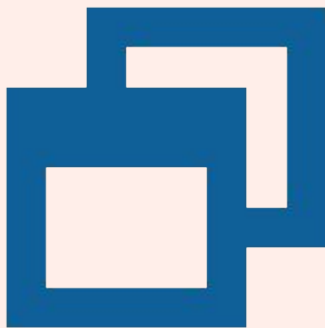


the whole jupyter ecosystem

accessibility needs to be considered across



notebook file



interfaces



documentation

(and more)

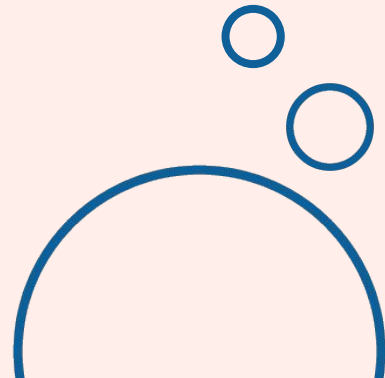
**accessibility
is happening
now.**

highlights + °

- accessibility meetings for a year!
- community growth
- WCAG-based audits of multiple projects (with issues and PRs)
- CZI Essential Open Source Software for Science grant

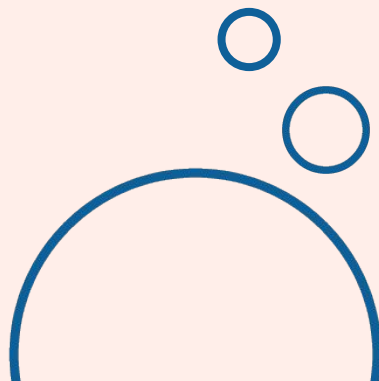
future goals

- add automated tests
- ensure the notebook file format is as accessible as can be
- update and improve documentation



~~future~~ today's goals

- add automated tests
- ensure the notebook file format is as accessible as can be
- update and improve documentation
- to get you involved!



documentation has images

what happens when they can't
be accessed?

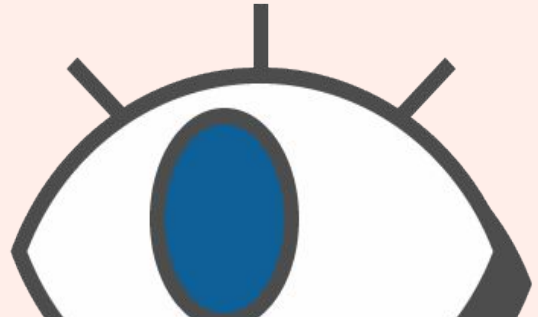




image.png

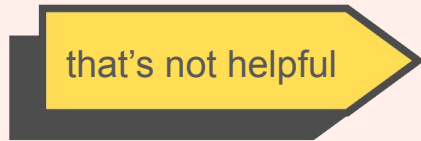



image.png

Most common types of WCAG 2 failures



WCAG Failure Type	% of home pages in February 2021	% of home pages in February 2020	% of home pages in February 2019
Low contrast text	86.4%	86.3%	85.3%
Missing alternative text for images	60.6%	66.0%	68.0%

missing image descriptions are the second most common error in the top million home pages ([WebAIM Million](#))

how can we catch what's missing?

in open source,
automated tests can help

okay, wait

what's an image description?



okay, wait

what's an image description?



The planet Jupiter.

there's many types of images

**there's many
types of alt text**

informative

puppies know how to make
emotional appeals...



informative

puppies know how to make
emotional appeals...



A fluffy puppy looking at
the camera with big eyes.

functional

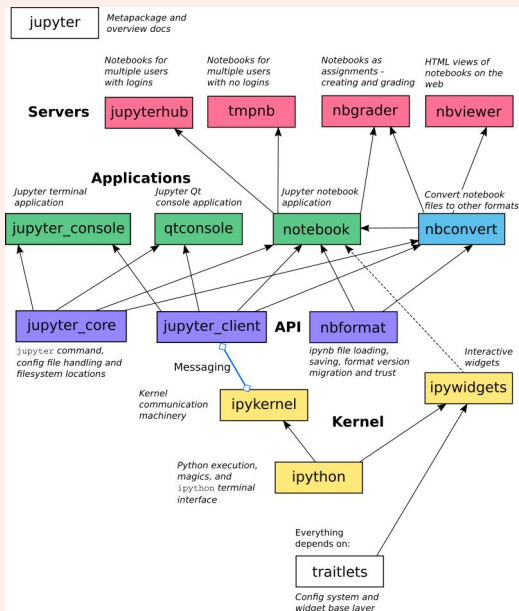


functional



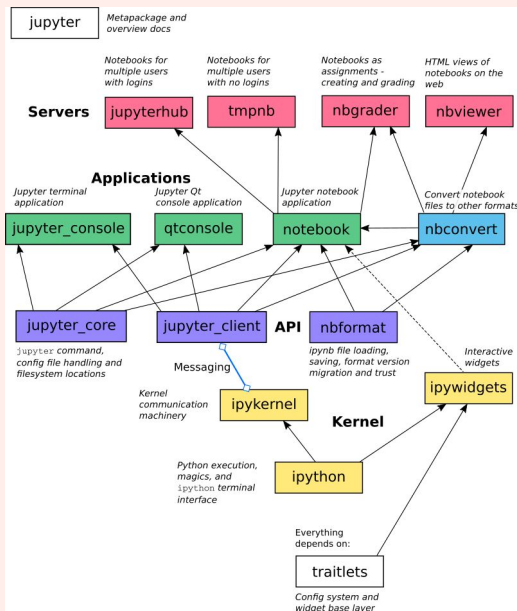
Delete

complex



complex

too big for slides!



- describe from general to specific
- describe title and layout
- describe key information/trends
- make sure text is not only in the image
- may need to link out

decorative

my mother will be happy to
know her dog is in my slides...



decorative

my mother will be happy to
know her dog is in my slides...

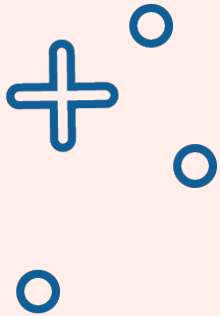


(leave the tag empty)

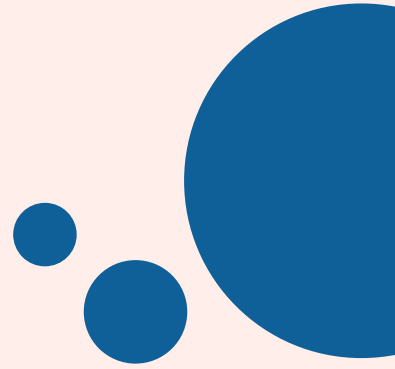
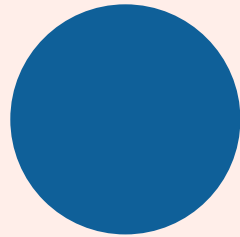
style text with

- correct spelling
- punctuation
- Sentence case capitalization
- consistent naming for repeated elements

it's all about context



**it's a good skill
for every planet**



let's work

we'll break up into rooms so
you can team up and learn



75 minutes | [notes document](#)

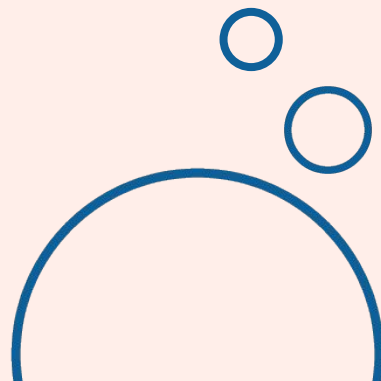
topics

- contributing image descriptions
room 1
- automated testing for themes
room 2

we'll be right back

welcome back

let's celebrate!



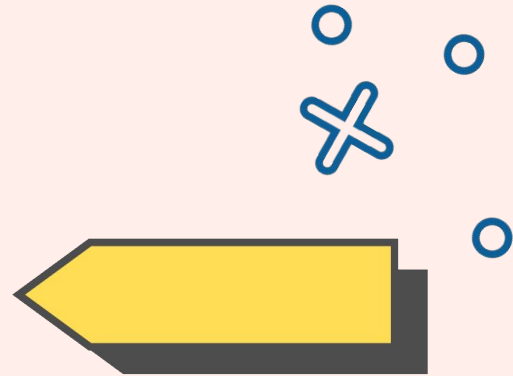
hall of fame

what's your favorite alt
text from the sprint?
[nominate it here!](#)



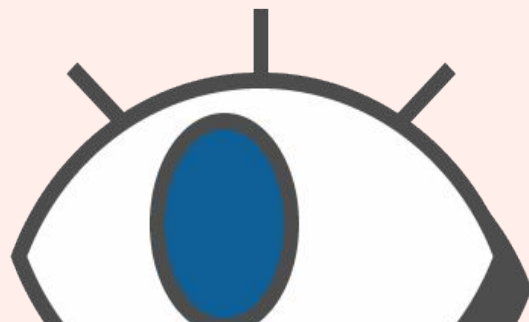
what are your thoughts?

please let us know how we can plan better events by filling out the [feedback survey](#).



upcoming events

- **March 2022:** to be announced
one speaker
one sprint



get involved with Jupyter

- for all projects: join a monthly community call!
- for accessibility:
 - [Jupyter Discourse](#) and [jupyter/accessibility](#)
 - join a JupyterLab accessibility meeting

thank you!

- to the event team, especially Tony and Tania
- to the Jupyter Community Building Committee, especially Ana and Christine
- to the Jupyter Community Workshop sponsors
- to NumFocus for their support
- to the team that wrote the event proposal