



# Improving Accessibility with ArcGIS Online Web Apps

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slides: <https://arcg.is/08yqfD0>

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# What is accessibility?

Make content usable for everyone regardless of abilities.



# Why is accessibility important?

- The ADA and Section 508
- People with different abilities should have equal access
- Good accessibility is good user experience



# Accessibility presentations

Title	Time
DIY Accessibility	Wed, March 6. 5:30pm - 6:30pm
Accessible Web Mapping Apps	Thu, March 7. 9am - 10am
Improving Accessibility with ArcGIS Online Web Apps	Thu, March 7. 2:30pm - 3:00pm



# What we will cover today

- Test accessibility
- Fix accessibility issues
- Tools
- Best practices

# Demo app

Link: <https://arcg.is/105u09>



# aXe

Link: <https://arcg.is/0Hv8Cn>



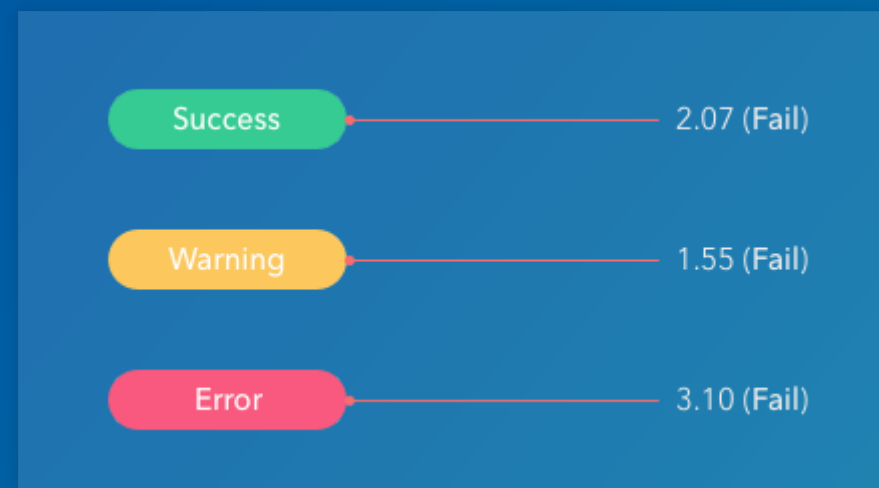
# Color contrast

- WCAG 1.4.3: Text needs to have contrast ratio of at least 4.5:1.
- Contrast ratio
- Color picker in Chrome DevTools.

# Symbol colors

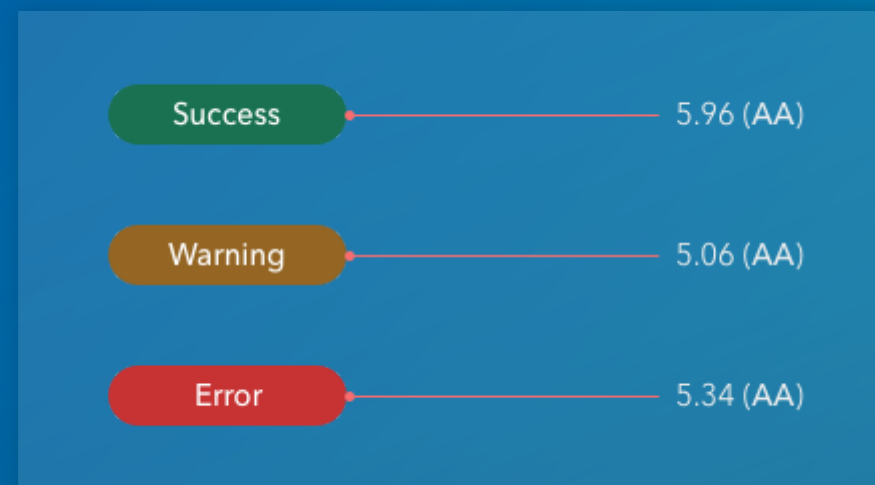
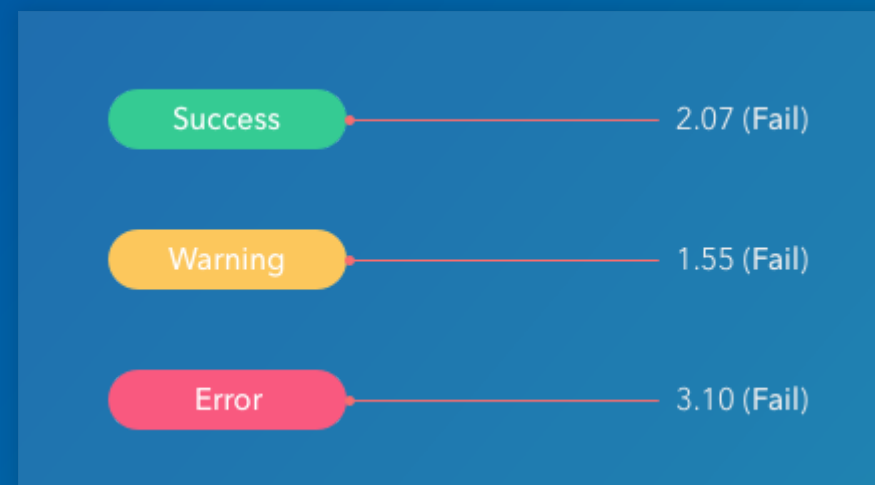
- Color cube
- ColorBrewer 2.0
- Blog article: [How to Make Smart Color Choices in Your Maps](#)

# White text on colored background

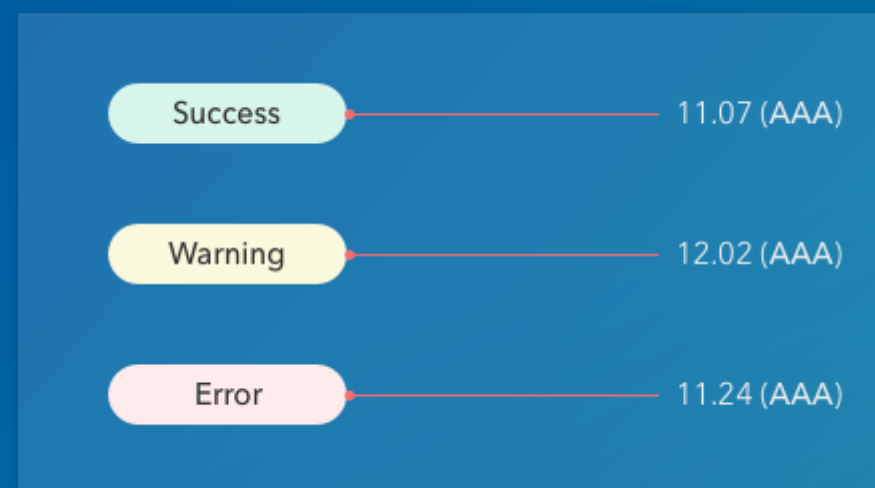




# White text on colored background



# Flipping the contrast



Success	11.07 (AAA)
Warning	12.02 (AAA)
Error	11.24 (AAA)





# Write effective alternate text

- Think about how users will be doing with the information
- Be accurate in presenting the content in images
- Be succinct
- No need to use the phrase "image of ..." to describe images

# Alternate text demo

- Empty alt
- Descriptive alt





# Focus and tab order

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# Focus and tab order

- WCAG 2.4.7: Interactive elements should have clear focus.
- WCAG 1.3.2: Navigation (tab) order should be logical and intuitive.
- WCAG 2.1.1: Keyboard users should be able to use functionalities using keyboard only.
- WCAG 2.1.2: Content does not "trap" keyboard focus within subsections.



# Focus

```
*:focus {  
  outline: 0;  
}
```

















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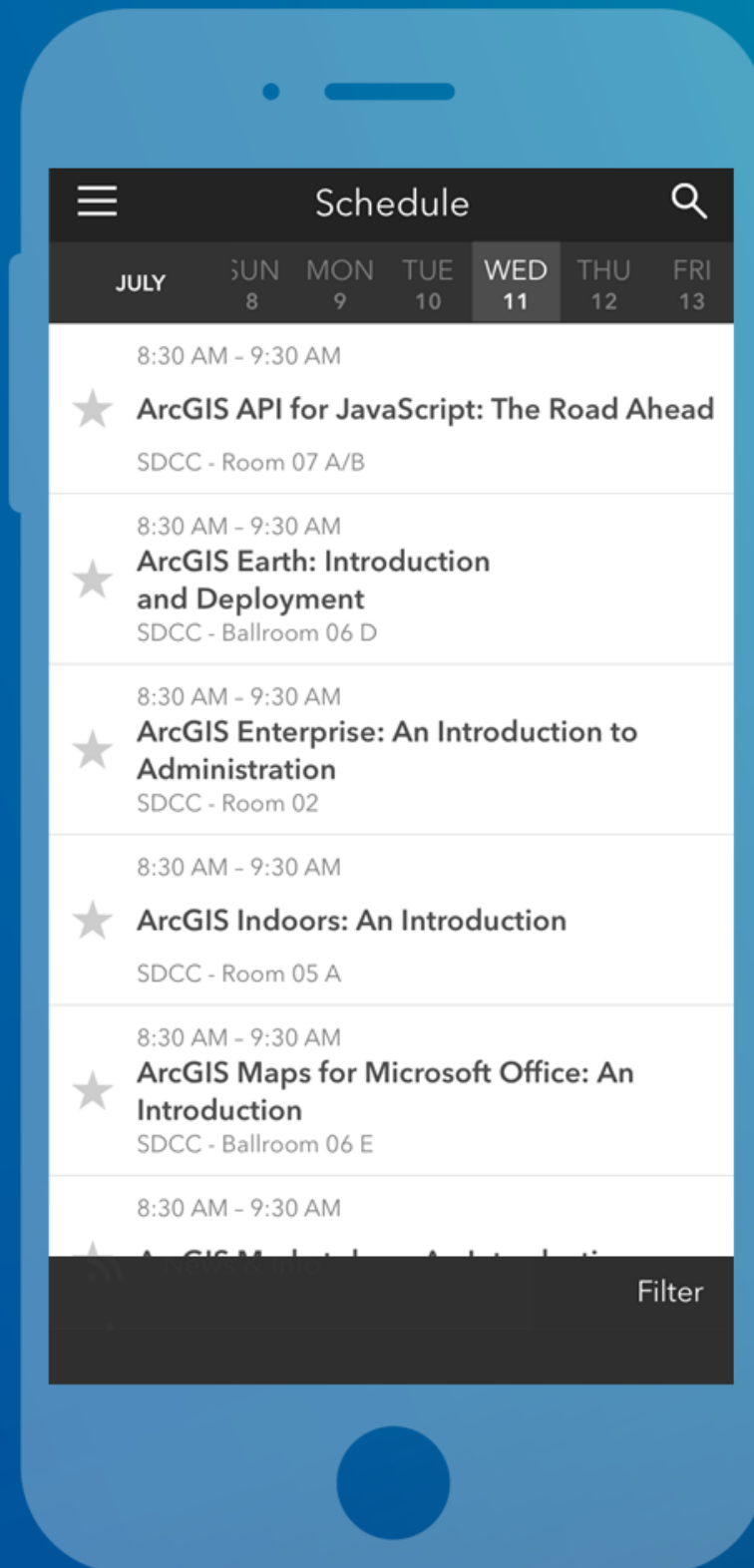
THE  
SCIENCE  
OF  
WHERE

# Please Take Our Survey on the App

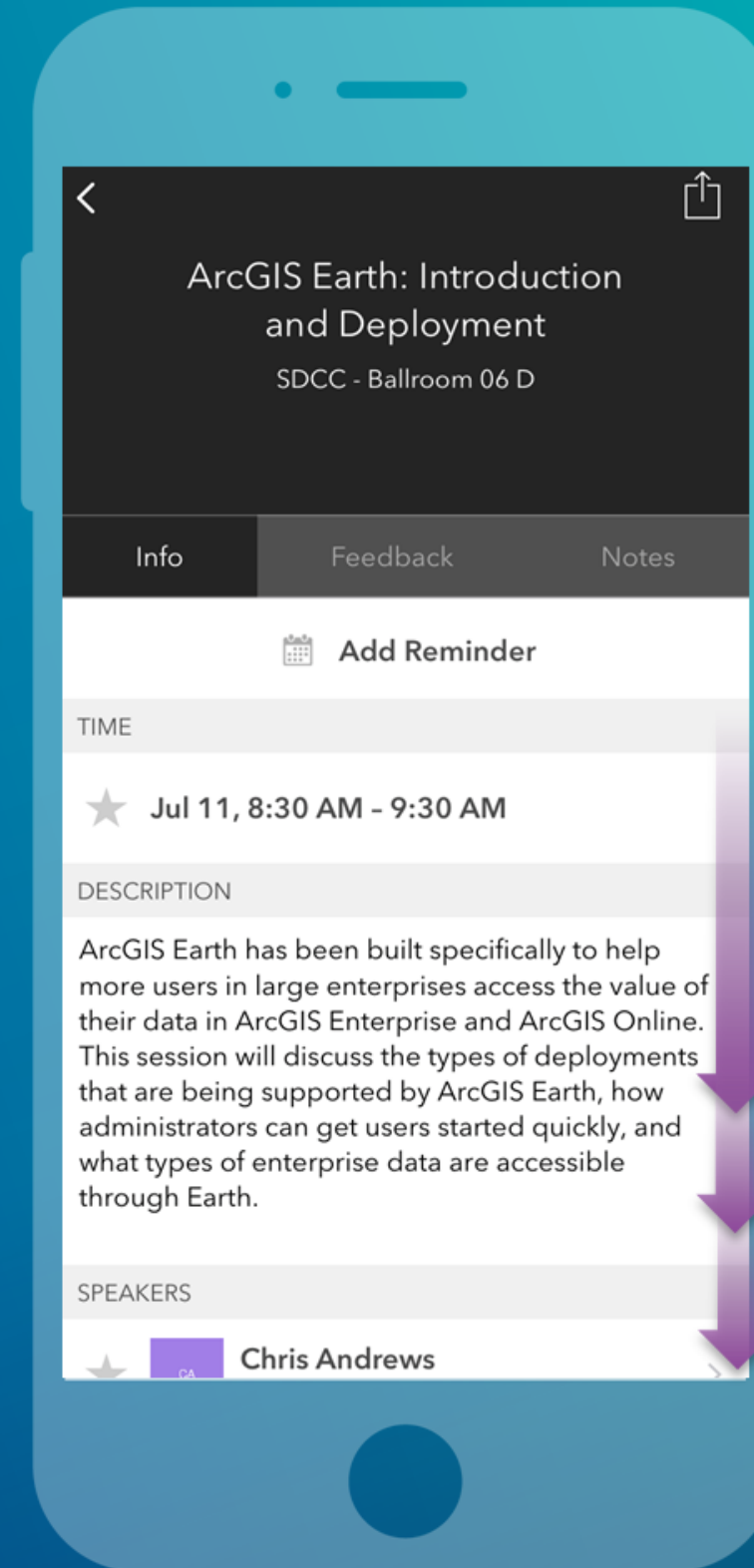
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the feedback section



Complete answers and select "Submit"

