Notes from talk on Accessibility

<https://developer.mozilla.org/en-US/docs/Web/Accessibility/ARIA/Roles>

<https://developer.mozilla.org/en-US/docs/Learn/Accessibility/HTML>

<https://nivo.rocks/>

* Chrome developer tools has an accessibility tool
* a11y?? tool for accessibility
* search for colour contrast tools -
  + must be at least contrast ratio at least 4.5:1
* colour oracle
  + software simulates the whole screen in different vision impairements
* plug in for Figma with different visual impairment versions

Hide content but make it accessible to screen readers

<https://www.a11yproject.com/posts/2013-01-11-how-to-hide-content/>

Hardware

* JAWS
* WCAG guidelines
* Mac - when try to read out website - can turn on accessibility features

1. **Accessibility in Web Apps - Recording:**

Topic: Paul Wilshaw - Blue Prism - head of UX & UI -

Lightning Talk

Paul Wilshaw - head of UX & UI - Blue Prism

"No user left behind"

## **Accessibility considerations**

* WCAG 2.2 guidelines
  + now being incorporated into US law
* Different types
  + visual impairment
  + physical difficulties
  + anxiety
  + dyslexia
* e.g. can autocomplete the postcode
* less work for users

### **Visual impairment**

### **Colour themes**

Beware of issues with colours

* be careful of colour deficiencies in sight: can affect what people see
* avoid colour trends
  + can fail on accessibility
  + fail on colour contrast
* cultural differences:
  + many green/red buttons for positive/negative
  + but in China red is a lucky colour & South Africa
* use icons & big blocks of colour

### **Bar charts & graphs**

* use patterns to differentiate for people with visual impairments
* Nevograph?? open source project for charts & graphs
* put labels on as well as patterns
* check colour contrast between bars in a chart

### **Text**

* anything below 18 point font becomes harder to read
* a point is 1.333 pixels
* less is more....
* on web
  + attention span of 4 seconds in social media
  + attention span of 8 seconds on rest of web

### **Use of hardware**

* make target area 48 x 48px
* even if small icon, use padding to make it that size
* voice only navigation - smart speakers reading out webpage content
* buttons ok

### **Show page location**

* gov.uk website good at pointing to where you are

### **Only ask for what you need**

* avoid asterixes on forms

### **User Errors**

* make clear to users

## **Sequence**

* don't worry about keeping everything inside the 'fold', i.e. visible screen - people can scroll
* end out with confusing zig-zag layout above
* better layout below - also makes easy with breakpoints
* get smaller going down the page

### **Images**

### if. you have to explain what the user has to do, it's probably too complicated

* Alt - make descriptive