



# Do Accessibility or Do Not – There is no Try

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```
view.goTo({
  center: [-126, 49]
})
.catch(function(error) {
  if (error.name != "AbortError")
     console.error(error);
  }
});
```



### Top 5 Map Accessibility Tips

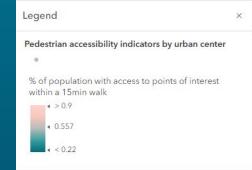
- 1. Design with intent
- 2. Color contrast
- 3. Focus states
- 4. Map alternative text
- 5. Testing throughout design and development

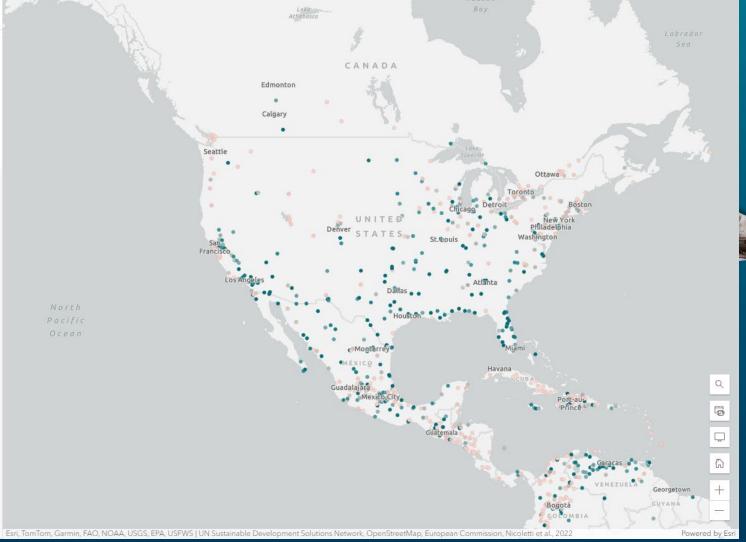
### Design with intent

- Who is the audience?
- What is the app's map's purpose?
- What is the best format to display your data?



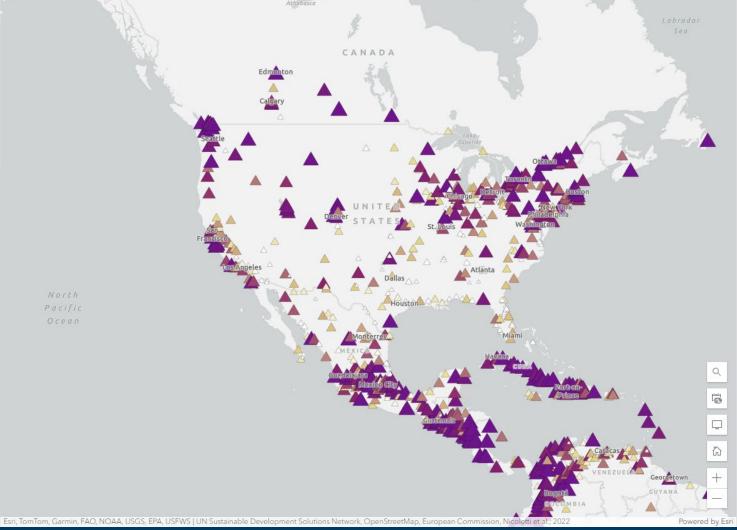
## Color contrast





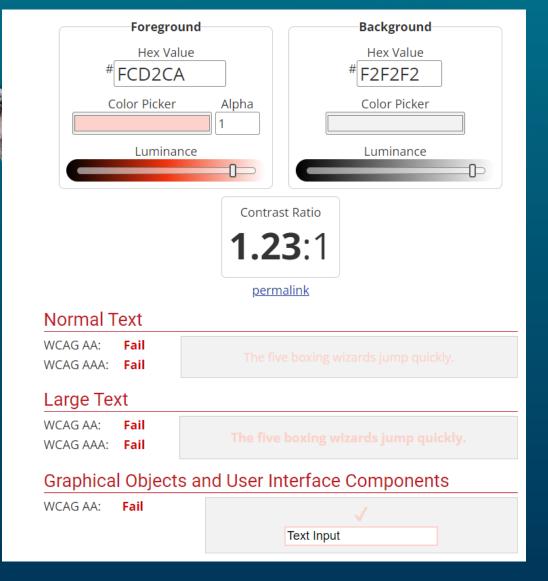
### Color contrast continued

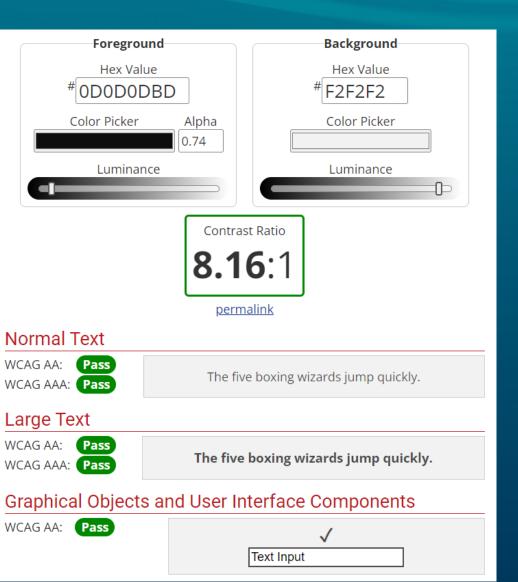




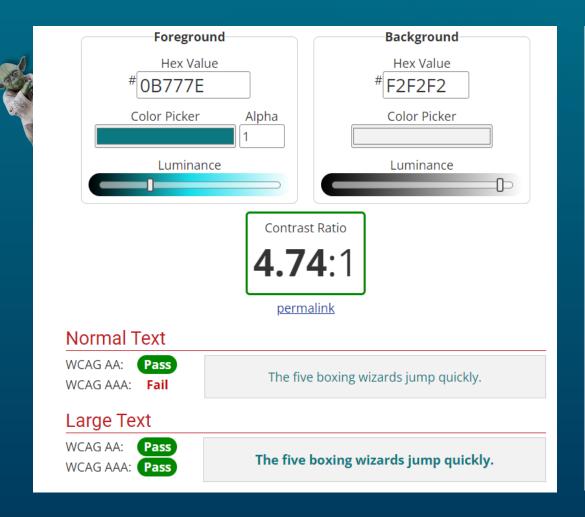


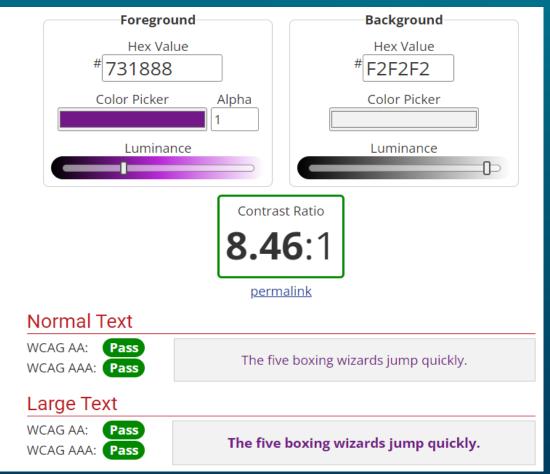
#### Color contrast checker





#### Color contrast checker continued

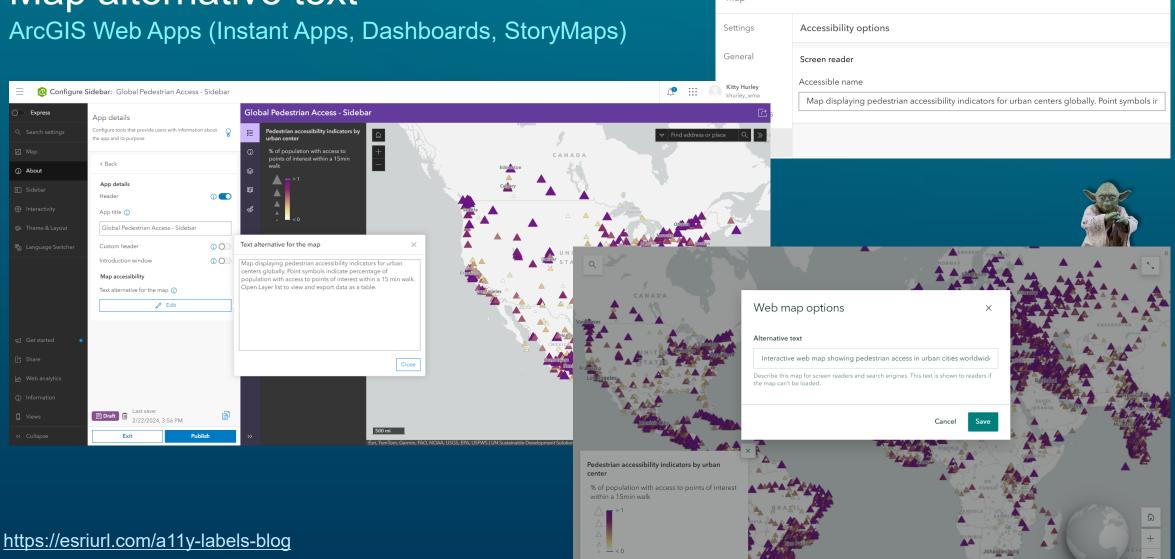




### Focus states



### Map alternative text



Global Pedestrian Access

### Map alternative text: Custom app

ArcGIS Maps SDK for JavaScript

```
<arcgis-map id="mapEl" item-id="210c5b77056846808c7a5ce93920be81"></arcgis-map>
<div id="mapDescription" class="sr-only"></div>
```



```
const arcgisMapEl = document.getElementById("mapEl") as HTMLArcgisMapElement;
const mapDescriptionEl = document.getElementById("mapDescription") as HTMLElement;

arcgisMapEl.addEventListener("arcgisViewChange", () => {
    mapDescriptionEl.innerHTML = arcgisMapEl.map.portalItem.snippet;

const rootNode = document.getElementsByClassName("esri-view-surface");

for (let i = 0; i < rootNode.length; i++) {
    rootNode[i].setAttribute("aria-describedby", "mapDescriptionEl");
    }
});</pre>
```

### **Testing**

- Test throughout development cycle
- Manual and automated testing
  - Automated testing 30% coverage
  - Color checkers
  - No mouse, or keyboard only testing
  - Screen readers (JAWS, NVDA, VoiceOver)
  - People living with impairments to better understand their perspective



