

Introduction to digital accessibility

Brighte

We'd like to acknowledge the Traditional Owners of the lands on which we meet today.

We pay our respects to Elders past and present, and extend to all First Nations people present today.

Introductions

Russ Weakley:

- 1995 - 2003: Web designer
- 2003 - 2020: Front end to Design systems
- 2020 - 2025: Accessibility specialist
- Passionate about accessibility since 2003

Andrew Downie:

- Psychologist with a postgraduate diploma in education
- Adaptive specialist helping students at TAFE for 25 years
- Now working at UTS

What will we cover?

- Russ: People and their assistive technologies.

- Andrew: Screen reader demo using [UAT CommBank](#).

Who could be visiting your digital products?

1. People with no vision
2. People with reduced vision
3. People with reduced colour vision
4. People with reduced movement
5. People with varied learning or cognition
6. People with reduced or no hearing

1. People with no vision

May use:

- A keyboard - without a mouse
- [Screen reader software](#) (e.g. JAWS, NVDA, VoiceOver, Narrator)
- [Refreshable braille devices](#) (e.g. Stand-alone, Smart displays)



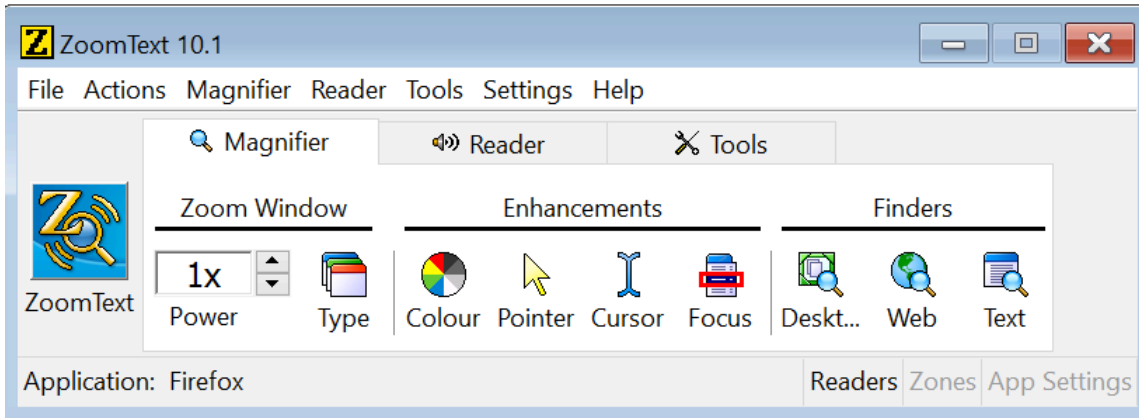
May need:

- The ability to navigate using the keyboard only
- Well-structured content (e.g. headings, lists, tables)
- Alternatives for visual content (e.g. images, video)
- Clearly labelled interactive components (e.g. links, buttons)

2. People with reduced vision

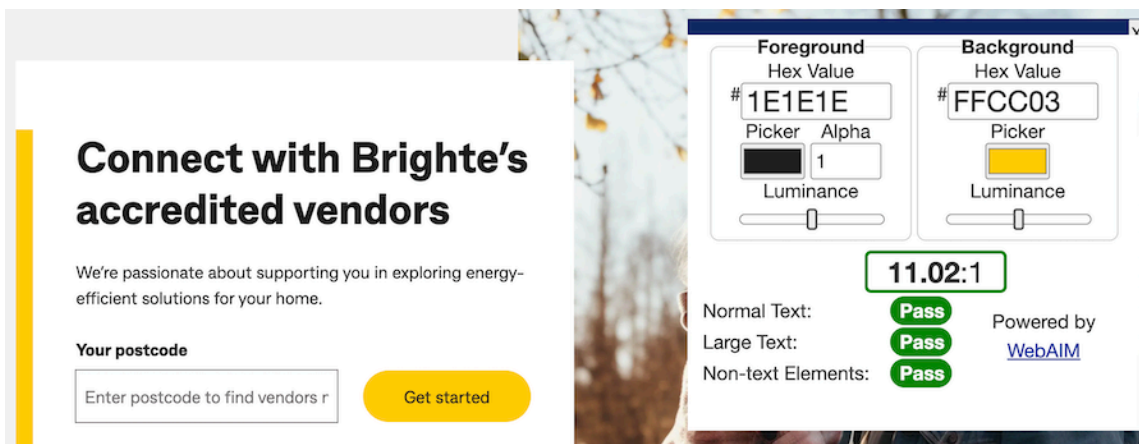
May use:

- System settings (e.g. magnification, font size, spacing, colour)
- Browser-based page zoom (e.g. increase to 400%)
- Increase text-size only (e.g. increase text to 200%)
- [Screen magnifier software](#) (e.g. ZoomText)
- Screen reader software (e.g. JAWS, NVDA, VoiceOver, Narrator)



May need:

- [Good colour contrast](#)
- Readable fonts
- The ability to magnify or zoom content
- The ability to customise colours



3. People with reduced colour vision (colour blindness)

May need:

- Good colour contrast
- [Information that is conveyed using methods other than colour-alone](#)

Example 1: colour-alone

	Product 1	Product 2	Product 3
Feature 1	●	●	●
Feature 1	●	●	●

Example 2: colour and shape

	Product 1	Product 2	Product 3
Feature 1	✗	✗	✓
Feature 1	✗	✓	✓

4. People with reduced movement

May use:

- [Head pointer](#)
- [Sip and puff](#)
- [Head switch](#)
- [Eye or head tracking software](#) (e.g. Dynavox, Apple)
- [Voice recognition software](#) (e.g. Dragon NaturallySpeaking)





May need:

- The ability to navigate using the keyboard only
- Efficient methods of navigating content
- [Clear and visible focus states](#)
- Enough time to complete tasks



[Skip to content](#)

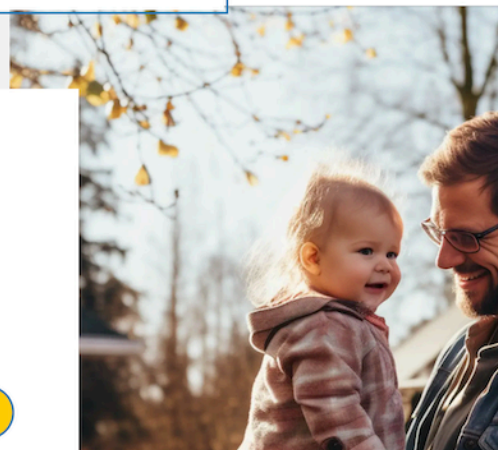
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5. People with varied learning or cognition

May need:

- Content that is clearly written and presented
- Help to avoid mistakes
- Limited distractions
- Processes that do not rely on memory

<https://uat.commbank.brighte.site/>

Calculate Readability 

 [Need some examples?](#)

READABILITY TEST RESULTS:



Your page

(<https://uat.commbank.brighte.site/>) has an average reading ease of about **52.6 of 100**. It should be easily understood by 15 to 16 year olds.

6. People with reduced or no hearing

May need:

- Transcript - text version in separate document
- Captions - synchronised text presented within media
- Sign language translations

All of these people course be your customers - today or tomorrow!

Andrew demo

Two demo sites:

1. [Test site](#)
2. [UAT CommBank](#)

Questions or discussion?