Vision Accessibility Features

On the Mac and iPhone

What is accessibility?

- Computer accessibility refers to the accessibility of a computer system to all people, regardless of disability type or severity of impairment
- Apple has included a number of accessibility features on Macs and iOS devices to allow persons with disabilities to be able to use their devices
- There are also numerous third party accessibility apps



What will be covered

- Vision Accessibility Features on the Mac
- Vision Accessibility Features on the iPhone
- An overview of these features
- How these features can be implemented on your device

Accessibility features on the Mac

Vision

- Hearing
- Motor
- Speech
- General

Today, we will look at Vision Accessibility features

To navigate to accessibility on the Mac

- Open system settings
- Scroll down to Accessibility
- Vision options will appear at top of screen

VoiceOver

- A feature that allows your computer to read aloud what is on the computer display
- With VoiceOver, you can navigate your computer screen with simple gestures
- This feature requires some setup and practice to master
- YouTube videos can provide guidance on how to use VoiceOver

Display settings

- Set a scaled resolution on the desktop
- One of the simplest methods of increasing overall size of icons and text

Here's Larger Text	Here's to troublem	Here's to t troublema ones who Default	Here's to the cr troublemakers. ones who see t rules. And they	Here's to the crazy one troublemakers. The rou ones who see things di rules. And they have no can quote them, disagr them. About the only th Because they change the More Space				
Using a scaled resolution may affect performance.								
Brightness		·•••••	0					
Automatically a								
Color profile				iMac ᅌ				

Zoom

Magnification features on the Mac

Use keyboard shortcuts to zoom Toggle zoom: て第8 Zoom in: て第= Zoom out: て第-	
Use trackpad gesture to zoom Double-tap three fingers to toggle zoom Double-tap three fingers and drag to cha	inge zoom
Use scroll gesture with modifier key	vs to zoom
Modifier key for scroll gesture	^ Control
Zoom style	Full Screen Choose Display
	Advanced
Hover Text Press ೫ to display a large-text view of th	e item under the pointer.

Display

• Configure your display for maximum benefit

Invert colors			\bigcirc
Invert colors mode		 Smart 	○ Classic
Reduce motion			\bigcirc
Increase contrast			
Reduce transparency			
Differentiate without color			\bigcirc
Auto-play animated images			
Show window title icons			
Show toolbar button shapes			\bigcirc
Display contrast	Normal		Maximum

Display – adjust text size

Text



Display - set pointer size and color



Display – Add filters



Spoken content-using on the Mac



Descriptions – using descriptions on the Mac

- Audio descriptions provide an audible narration of important onscreen action and content in movies and TV shows
- This feature is only available with a video that includes audio descriptions
- The program must have the letters AD on the screen

Accessibility features on the iPhone

- Vision
- Physical and Motor
- Hearing
- Speech
- General

Vision accessibility features on the iPhone



VoiceOver

- With VoiceOver—a gesture-based screen reader—you can use iPhone even if you can't see the screen
- VoiceOver gives audible descriptions of what's on your screen—from battery level, to who's calling, to which app your finger is on
- This feature is intended for more serious vision issues
- This feature requires some setup and practice
- There is help on the Apple support site and on YouTube

Zoom – magnify text and images on iPhone

- Display & Brightness settings
 - Change text size
 - Make all text Bold
 - Change display zoom to Larger Text
- Under accessibility there are more Zoom settings
 - Turn on Zoom to magnify the entire screen
 - Double-tap three fingers to move around the screen

Display and text size





Motion

• Reduces the motion of the user interface for those that are bothered by motion, flashing lights, animation, etc.

Spoken content

Used to read content on an iPhone screen



Audio descriptions

- When available on content, provided the content is AD enabled
- Works on Apple TV, smart TVs and some other devices
- The program material must have the AD symbol in order to be compatible

Other useful accessibility tips

- Connect a larger monitor or TV to your Mac
 - Must make sure to have compatible cable between Mac and display
 - Will have to play with adjustments to make the image suitable

Resources

 Various Apple websites that cover all aspects of accessibility, specifically:

https://www.apple.com/accessibility/?afid=p238|Upyw9BFQ-dc_mtid_20925e1t39169_pcrid_78546564173007_pgrid_125 6742314801549_&cid=wwa-us-kwbi-features-slid--Brand-Accessibility-Avail-

- Wikipedia
- Thanks to Oak for his input