DevFest Melbourne 2019

Let's build more inclusive apps

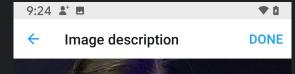
Allison Ravenhall - @RavenAlly

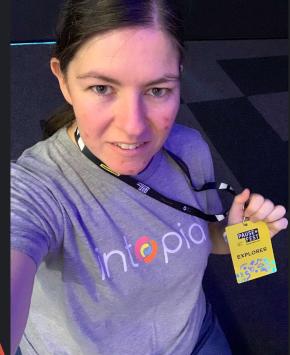
Tweet accessibly!

9:05 ♣⁺	۵
	**
Allison Ravenhall	low · 1h → n in so
83 Following 360 Followers	just b little,
≗ Profile	sion be
🗐 Lists	۶b
🛛 Bookmarks	yn!
✤ Moments	lytics
Settings and privacy	
Help Centre	
	+
-````	
	-

9:05 💄 🖿	♥ 1
 Settings and privacy 	
@RavenAlly	
Account	
Privacy and safety	
Notifications	
Content preferences	
General	
Display and sound	
Data usage	
Accessibility	
Proxy	
About Twitter	
< — †	

9:05 📲 🖪	• 0
Accessibility	
Screen Reader	
Pronounce # as "hashtag"	
Vision	
Compose image descriptions Adds the ability to describe images for the visually impaired.	∨ ne
Motion	
Reduce motion Limits the amount of in-app animations, including live engagement counts.	
Video autoplay Mobile data & Wi-Fi	
< — İ	





Selfie of Allison wearing an <u>Intopia</u> shirt, showing her <u>PauseFest</u> pass

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~1 in 5 Aussies have a disability





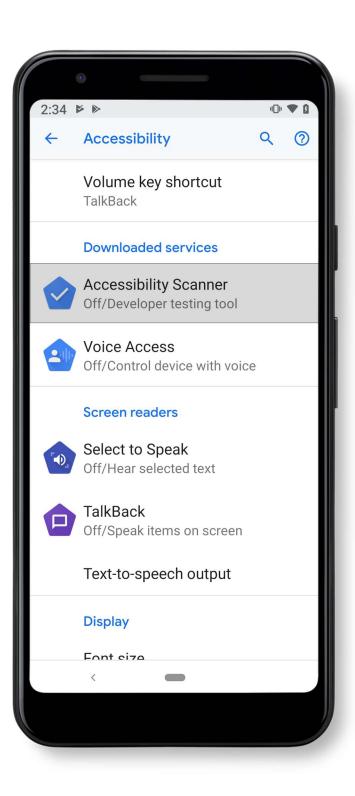
Voice Access Accessibility menu Switch Access Display size TalkBack Font size Invert colours Magnification Colour correction



Select to Speak Remove animations Dark theme Sound amplifier Mono audio Live Transcribe Captions Hearing aid integration



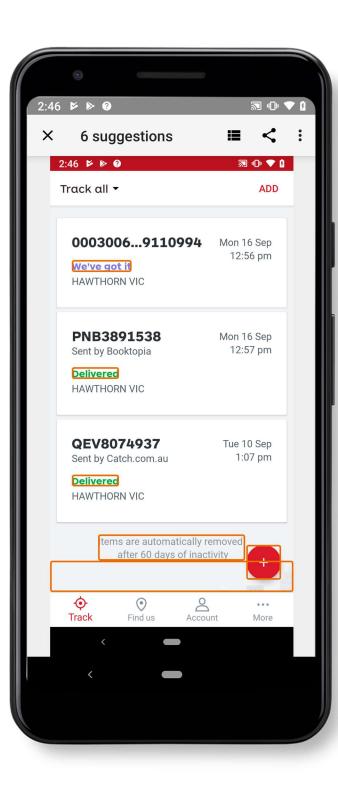
Check your app



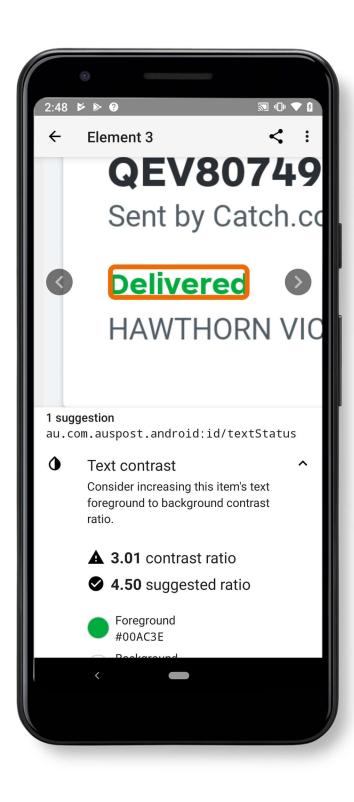
Tap the tick

2:45 🎽 🌬			
Track all			ADD
We've g	00691109 got it ORN VIC		16 Sep :56 pm
Sent by Deliver	8891538 Booktopia ed ORN VIC		16 Sep :57 pm
Sent by Deliver	3 074937 Catch.com.au ed ORN VIC		10 Sep :07 pm
lte	ems are automatic after 60 days of		+
∲ Track ≺	Find us	Account	More

Review outlined items



Colour contrast...

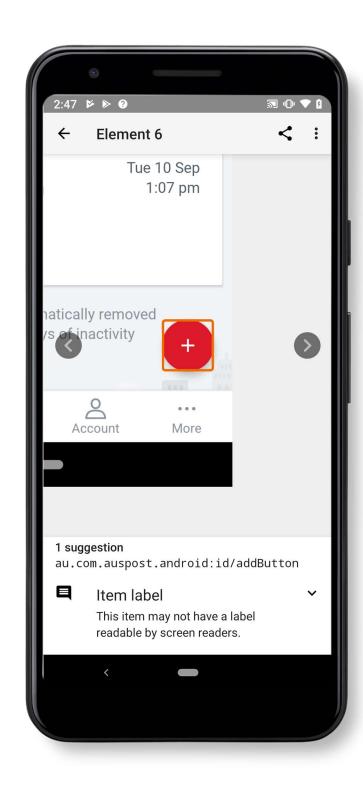


Target size...

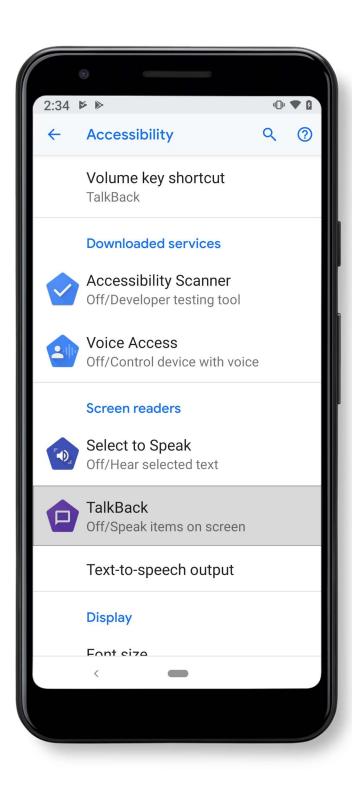
	•
10:	27 ?
÷	Element 1 < :
	Allison
	Belivery preferences
<	+ Add a delivery address
	PARCEL LOCKER ADDRESSES
	Hawthorn Parcel Locker Parcel Locker 10020 07668 208 Riversdale Road HAWTHORN VIC 3122
	uggestion
au	.com.auspost.android:id/btn_ad.
ſ	Touch target ^ Consider making this clickable item larger.
	This item's height is 40dp. Consider making the height of this touch target 48dp or larger.
	LEARN MORE

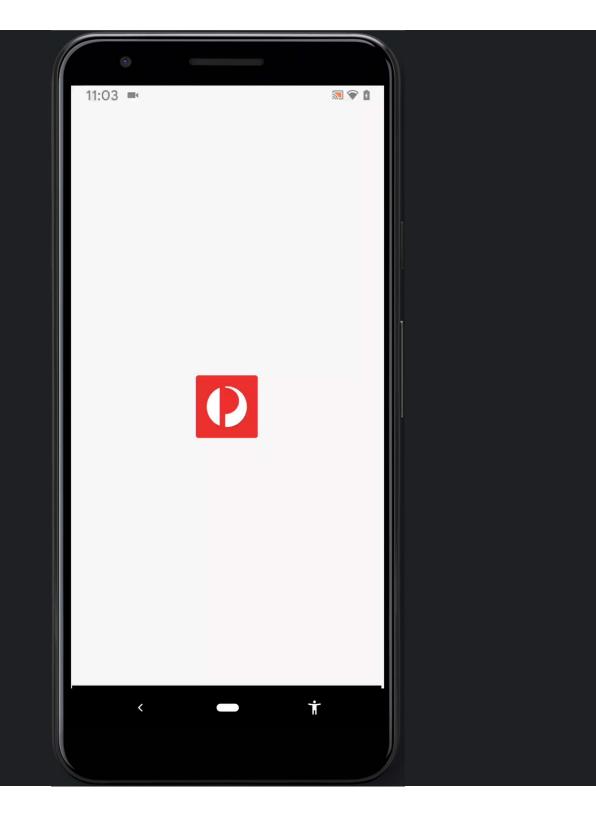


No label...



Why does no label matter?





contentDescription

•	
	R +⊡ ▼ 1 ADD
PNB3891538 Sent by Booktopia Delivered HAWTHORN VIC	Mon 16 Sep 12:57 pm
QEV8074937 Sent by Catch.com.au Delivered HAWTHORN VIC	Tue 10 Sep
Items are automatical after 60 days of ir	
Orack Unlabelled, Bu	tton More
<	

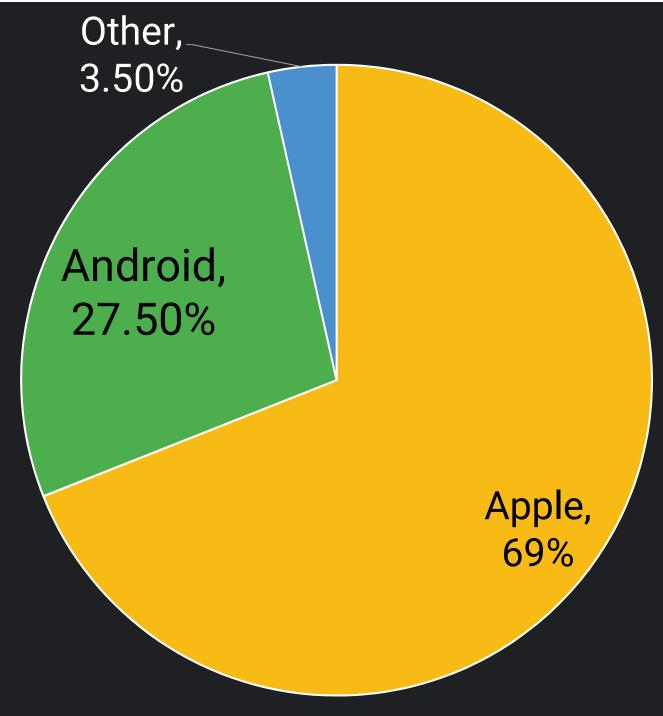
Skim content by type

o 10:06 J □□ ▼ 14
More
649
Local Context Menu Default
Characters
Words
Lines
Paragraphs
Headings
Links
Controls
Cancel
Redirect or hold mail
Ouble-tap to activate. Track Find us Account
<

accessibilityHeading="true"

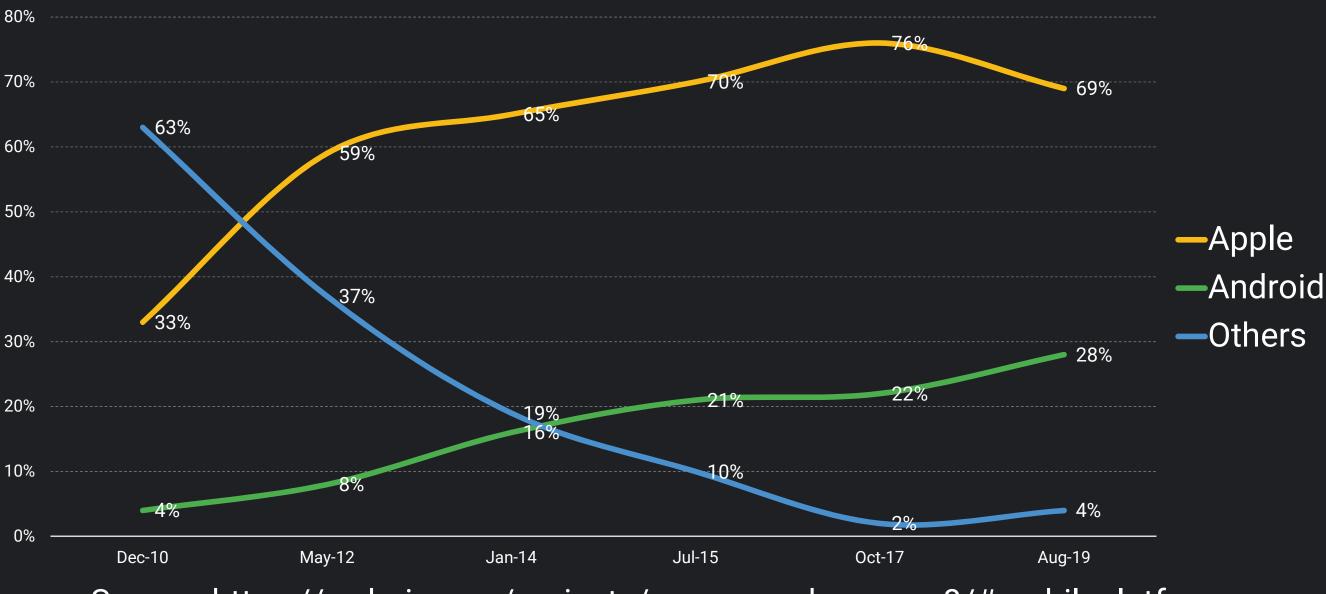
10:06 More		4)• 🕈 💈
wore			
Po	αy α bill	Find a postco	ode
DELIVERY ADDRESSES			
⊟ A	Add a 24/7 Parcel Locker		
C C y	Add α Post Office of your choice Collect where and when it suits you with a free Parcel Collect address		
POPU	LAR LINKS		
	alculate posto mes	age & delivery	ď
🔁 R	edirect or hold	d mail	ď
· O Track	ELIVERY ADDR	ESSES, Heading	 lore
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Screen reader users prefer Apple (August 2019)



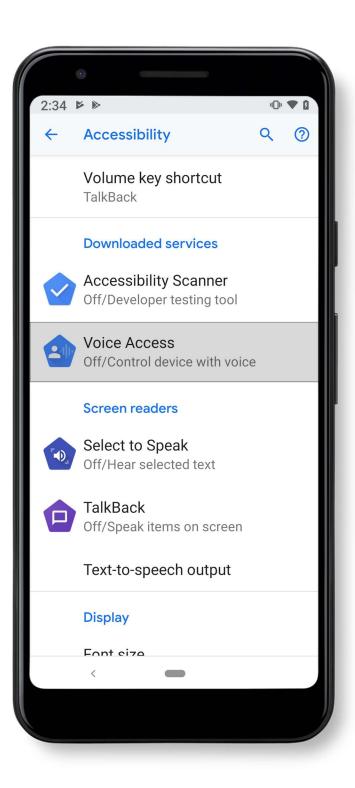
Source: https://webaim.org/projects/screenreadersurvey8/#mobileplatforms

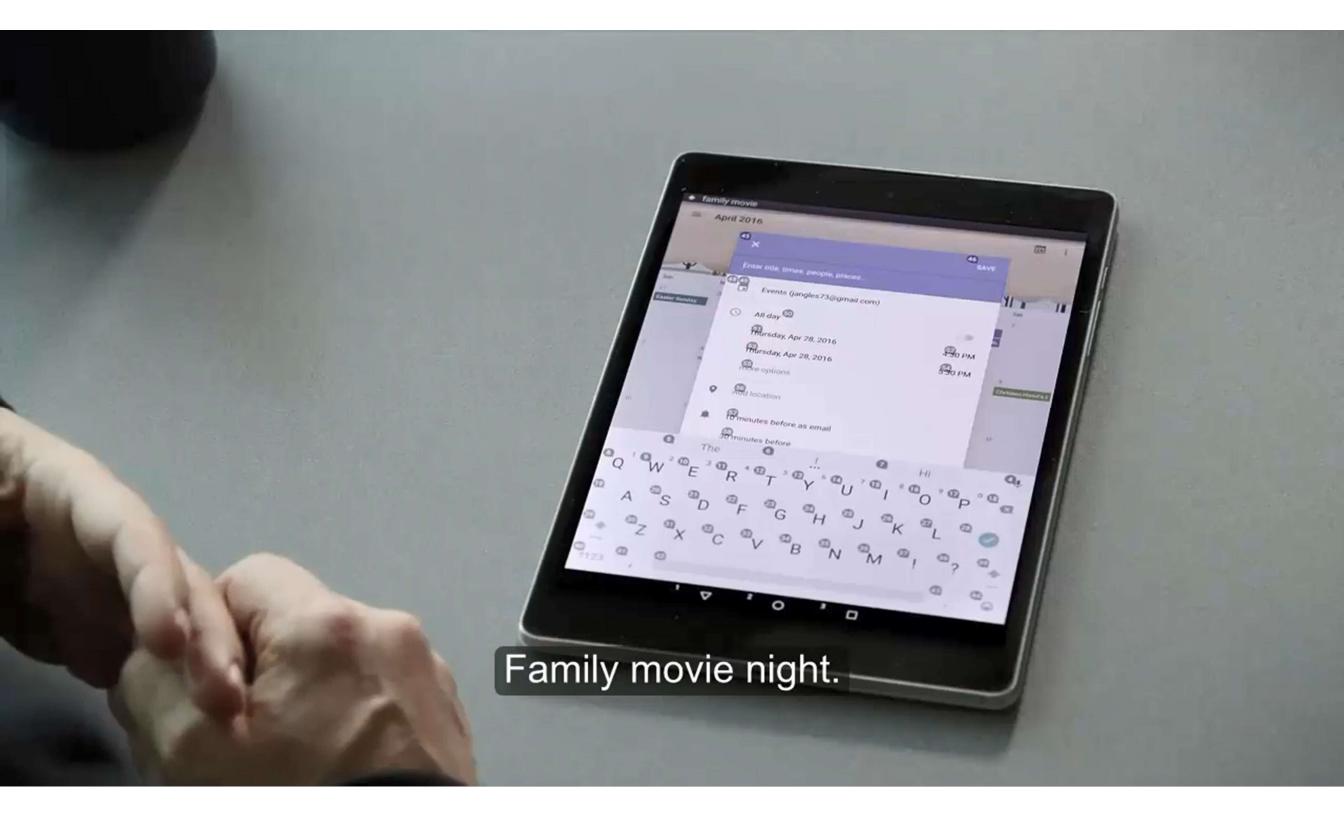
... but Android is rising



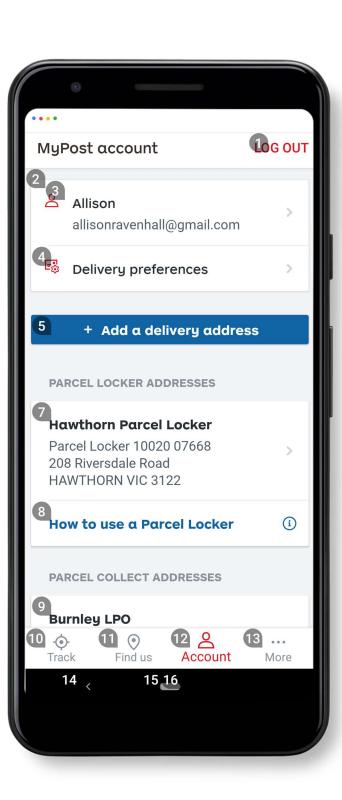
Source: https://webaim.org/projects/screenreadersurvey8/#mobileplatforms

Hands-free interaction





Dynamic number labels





Support portrait and landscape orientation



Make motion interaction optional Update your Twitter settingsand label your photos

T Play with Android accessibility settings

Use the Accessibility Scanner

Try out TalkBack and Voice Access

Support portrait & landscape



Accessibility Scanner: <u>bit.ly/a11y-scanner</u>

TalkBack:bit.ly/a11y-talkbackTalkBack gestures:bit.ly/talkback-commandsTalkBack captions:Settings > Accessibility > TalkBack >
Settings > Dev settings > Display speech
output

Voice Access: <u>bit.ly/a11y-voice-access</u> Voice Access commands: <u>bit.ly/voice-access-commands</u>

G accessibility team: <u>twitter.com/googleaccess</u> **G** accessibility dev guides: <u>google.com/accessibility/for-developers/</u>