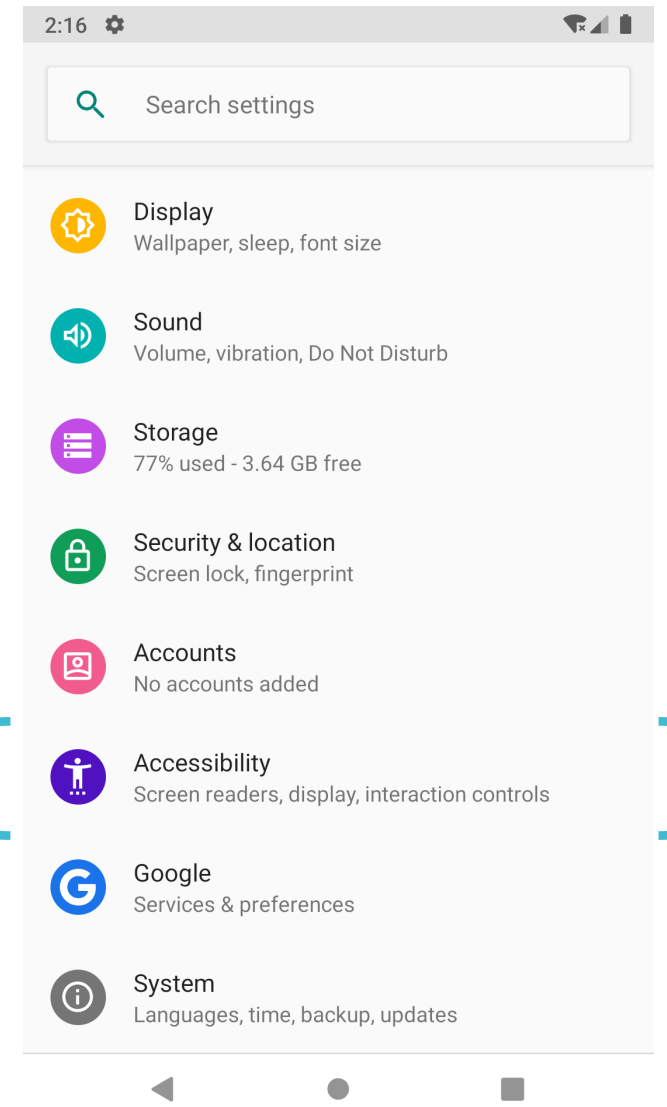


Accessibility Talk, Button. Double-tap to activate.

Nicola Gibson, @nicola_s_gibson

Accessibility expert for Yammer Android at Microsoft

Accessibility settings





Display
e.g. Color, Font size



Screen readers
e.g. Talkback, Select to speak



Interactive Controls
e.g. Switches, Keyboard

Accessibility settings

Color contrast can
be mathematically
defined

2.28

White on Aqua
#FFFFFF / #40BAD2
Inaccessible

Color contrast can
be mathematically
defined

3.65

Light Gray on Dark Gray
#E8E8E8 / #777777
Accessible only
for text large

Color contrast can
be mathematically
defined

7.68

Light Gray on Purple
#E8E8E8 / #800080
Accessible only
for shorter reads

Color contrast can
be mathematically
defined

9.53

Light Gray on Dark Blue
#E8E8E8 / #2E2E7C
Accessible

Color contrast can
be mathematically
defined

21

White on Black
#FFFFFF / #000000
Accessible

Display

Further reading:

<https://contrast-ratio.com>

a handy tool for quickly checking color contrast

<https://usecontrast.com/guide>

an explanation of rules and terms of color contrast

Make sure to favorite,
comment and share!



Make sure to favorite,
comment and share!

Make sure to favorite,
comment and share!



Make sure to favorite,
comment and share!

Display

Further reading:

<https://support.google.com/accessibility/android/answer/7101858>

more information about tap target size

Make sure to favorite,
comment and share!



Make sure to
favorite,
comment and
share!



Make sure to
favorite,
comment and
share!



Display

Further reading:

<https://material.io/design/layout/understanding-layout.html>

more information about layouts, dp and sp

Screen readers and interactive controls



Other User

3 days ago

3 likes

This app is a demo on how to (and sometimes how not to) handle certain situations in a way that makes them ac...



Other User

3 days ago

3 likes

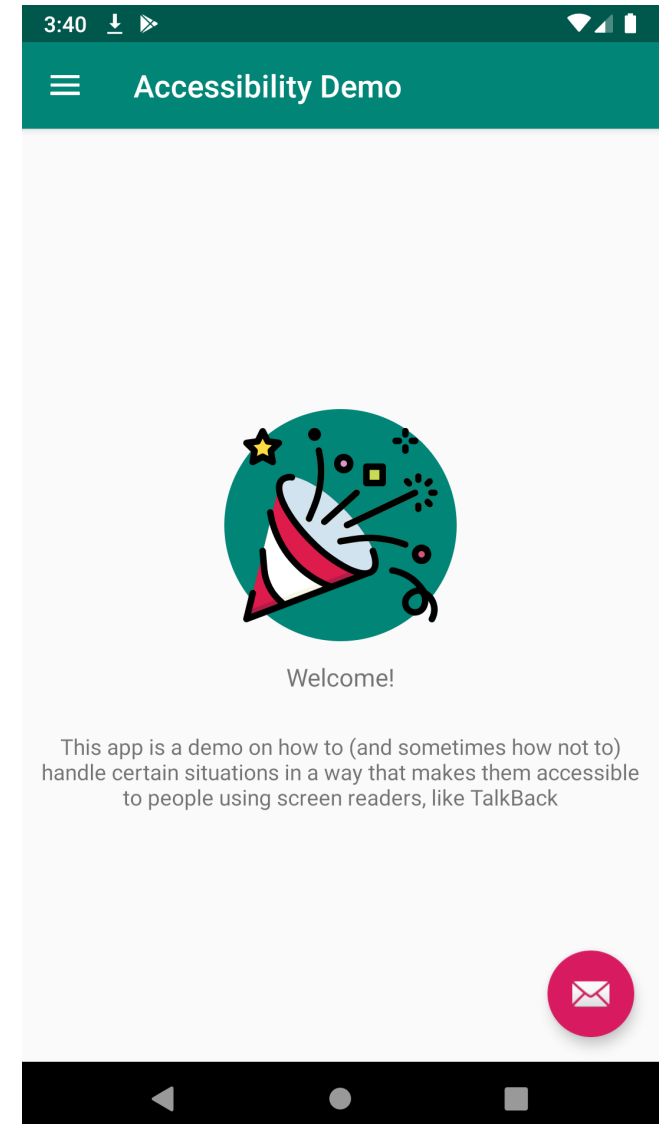
This app is a demo on how to (and sometimes how not to) handle certain situations in a way that makes them ac...



Most common screen reader issues

1. Unlabelled buttons
No content descriptions on clickable ImageViews or ImageButtons
2. Bad navigation order
Swipe navigation not intuitive
Clickable views don't have good text
3. Everything else

Demo!



Key takeaways

- Label images and buttons
 - but only if they're important!
- Don't excessively override default behavior
 - Android will take care of most things for you
- Try your app out with different settings!
 - Turn on talkback and use your app
 - Change the text and display size and see how your app looks

Questions?

- Twitter
 - @nicola_s_Gibson
- Github
 - <https://github.com/nicolargh/AccessibilityDemo>
 - Code and slides available there