

The background features several thick, flowing, wavy lines in various shades of green, ranging from light lime to dark forest green. These lines sweep across the slide, creating a sense of movement and modernity.

Disability, accessibility, personalisation, inclusion and design

BCS Bedford November 2016

Introduction



I am Peter Abrahams

- Secretary of the Digital Accessibility Specialist Group
- Member of the Best Practice Committee
- 50 Years in IT
- Last 10 in Accessibility

My aim today

- Introduce digital accessibility
- Encourage you to promote it

The BCS Strategy

“Making IT good for society”

David Evans
Director, Policy and Community, BCS

Society



- Society must mean all of Society
- BCS must include everyone
- In particular we must include people with disabilities

Digital Inclusion

Social Inclusion

- Race
- Religion
- Gender
- Orientation
- Age

Technical Inclusion

- Access to HW
- Fast broadband
- Training



Disability Inclusion

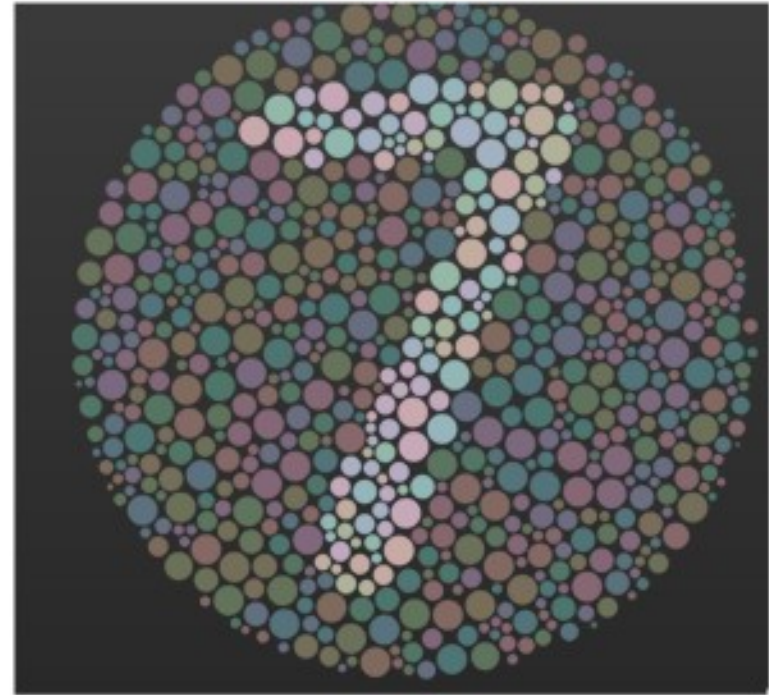
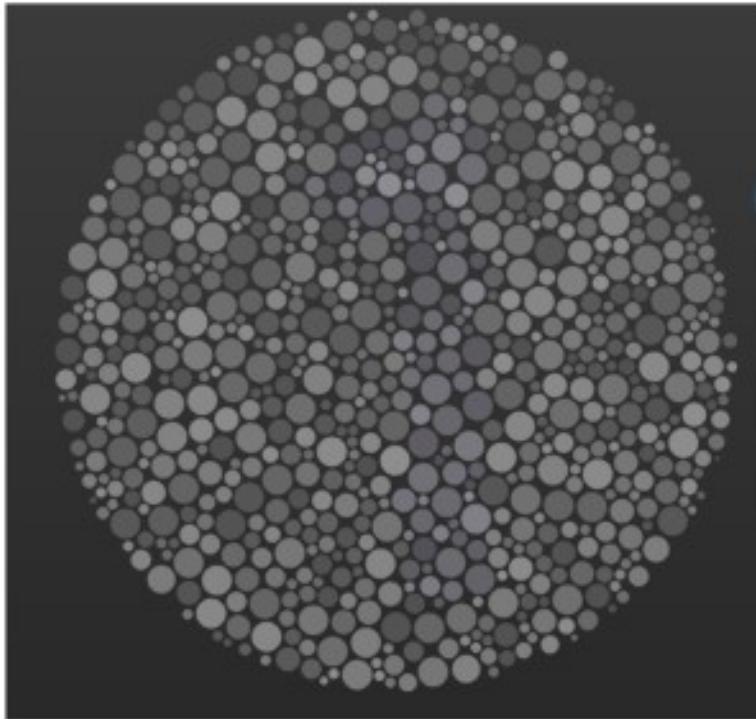
- Movement
- Vision
- Hearing
- Cognition

Disability

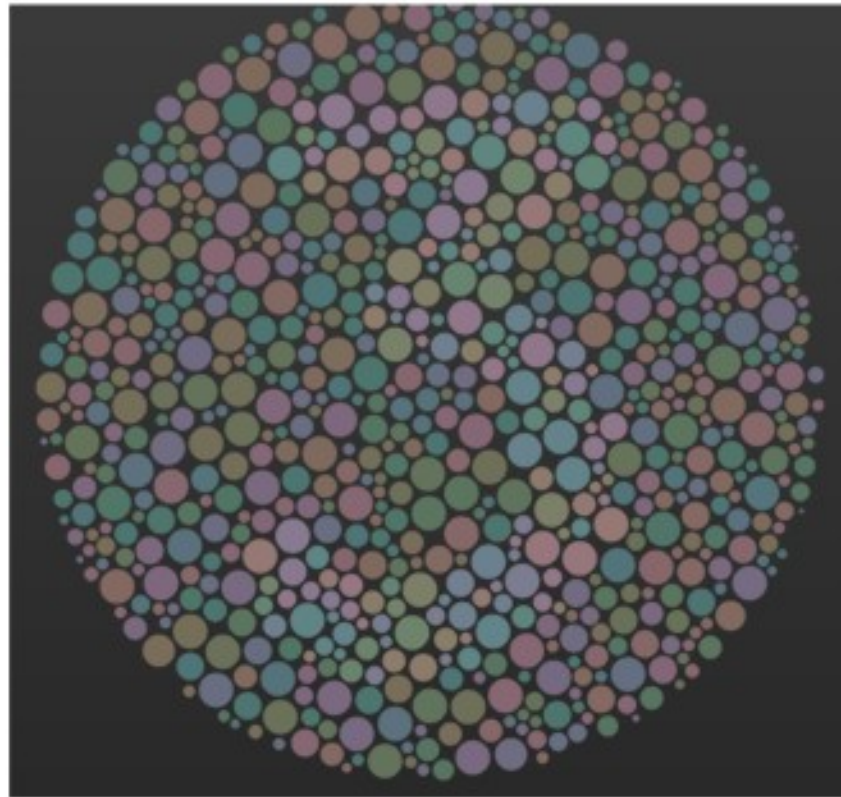
Am I
disabled?



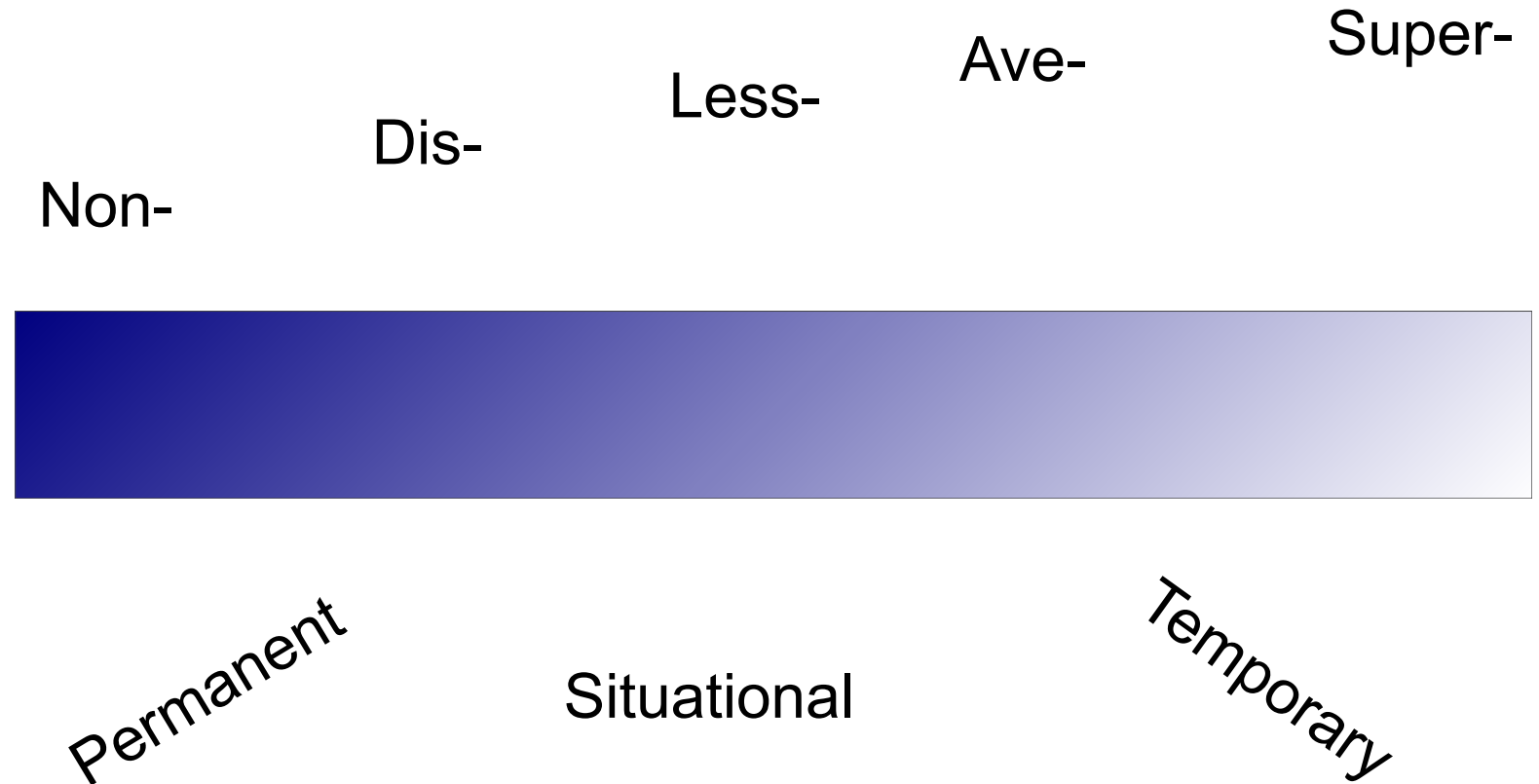
Colour Blind



Colour Blind 3?



Ability Spectrum



Why?



- Moral – the right thing to do
- Financial – reaches everyone
- Legal – potential for court case
- Inclusive – better for everyone

Computing for people with disabilities

Accessibility

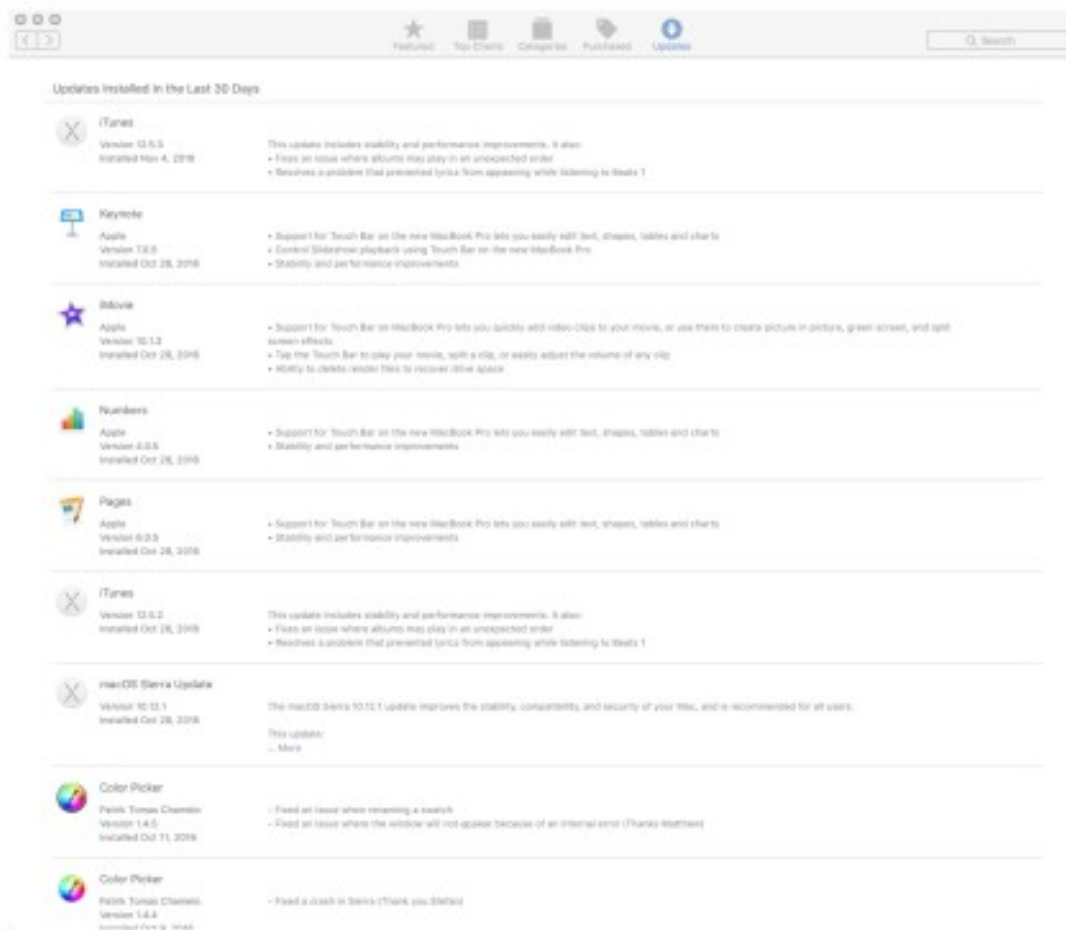


Assistive
Technology

Computing
for
people
with
disabilities

Inclusive
Design

Check Contrast



The screenshot shows the macOS Software Update window. At the top, there are navigation icons (back, forward, search) and a search bar. Below the navigation bar, the title "Updates Installed in the Last 30 Days" is displayed. The main content area lists several updates, each with an icon, name, version, installation date, and a brief description of the changes or fixes included.

Update Name	Version	Installation Date	Description
iTunes	Version 12.0.5	Installed Nov 4, 2016	This update includes stability and performance improvements. It also: <ul style="list-style-type: none">• Fixes an issue where albums may play in an unexpected order• Resolves a problem that prevented lyrics from appearing while listening to Beats 1
Keynote	Apple Version 7.0.5	Installed Oct 28, 2016	<ul style="list-style-type: none">• Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts• Control Slideover playback using Touch Bar on the new MacBook Pro• Stability and performance improvements
iMovie	Apple Version 10.1.2	Installed Oct 28, 2016	<ul style="list-style-type: none">• Support for Touch Bar on MacBook Pro lets you quickly add video clips to your movie, or use them to create picture-in-pictures, green screen, and split-screen effects• Tap the Touch Bar to play your movie, split a clip, or easily adjust the volume of any clip• Ability to delete render files to recover drive space
Numbers	Apple Version 5.2.5	Installed Oct 28, 2016	<ul style="list-style-type: none">• Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts• Stability and performance improvements
Pages	Apple Version 6.2.3	Installed Oct 28, 2016	<ul style="list-style-type: none">• Support for Touch Bar on the new MacBook Pro lets you easily edit text, shapes, tables and charts• Stability and performance improvements
iTunes	Version 12.0.2	Installed Oct 28, 2016	This update includes stability and performance improvements. It also: <ul style="list-style-type: none">• Fixes an issue where albums may play in an unexpected order• Resolves a problem that prevented lyrics from appearing while listening to Beats 1
macOS Sierra Update	Version 10.12.1	Installed Oct 28, 2016	The macOS Sierra 10.12.1 update improves the stability, compatibility, and security of your Mac, and is recommended for all users. This update: ... More
Color Picker	Apple Version 1.4.5	Installed Oct 11, 2016	<ul style="list-style-type: none">• Fixed an issue when renaming a swatch• Fixed an issue where the window will not update because of an internal error (Thanks Hottel)
Color Picker	Apple Version 1.4.4	Installed Nov 4, 2016	<ul style="list-style-type: none">• Fixed a crash in Sierra (Thank you Siffert)

Images



A reminder that Hampstead Chamber Choir's concert is this Saturday, November 5th, at 7:30 in St. Peter's Beltsize.

Three of our singers will be performing lieder by Schubert, Schumann and Strauss; Lydia Melleck, our accompanist will play music by Grieg and Bergoni, and the choir will sing some of Brahms' most beautiful pieces including Four Quartets, and Song of Destiny.

We are looking forward to the evening and hope you can share it with us!

Best wishes,

Anna

www.hampsteadchamberchoir.org

 HAMPSTEAD CHAMBER CHOIR
DOMINIC BRENNAN, MUSICAL DIRECTOR



O SCHÖNE NACHT
CHORAL MUSIC OF BRAHMS
SCHÖNHALSIEDER, VIER QUARTETTE, MAJORELLEDER

LYDIA MELLECK, PIANO
MUSIC BY GRIEG AND BERGONI

Saturday November 5 2016 7:30 p.m.
St. Peter's Church, Beltsize Park, London NW3 4RH
Tickets £10. Concessions £10. Under 16 free with an adult.
Save money by booking at www.hampsteadchamberchoir.org

Printing: Lake House by Moonlight. Anna Gilbert



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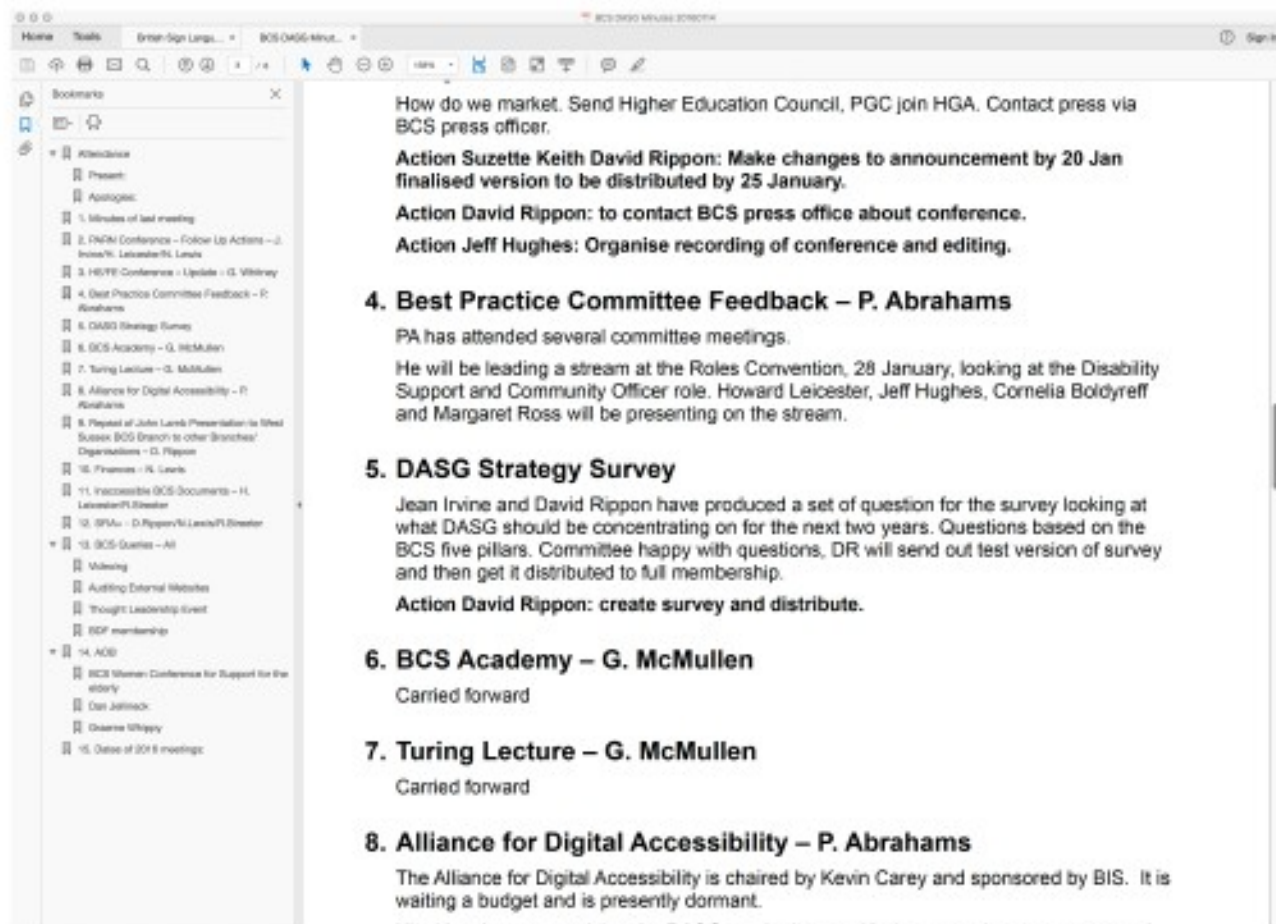
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Documents



The screenshot shows a web browser window with a sidebar on the left containing a list of bookmarks. The main content area displays several sections of text, each starting with a numbered heading. The text includes details about marketing, action items, and various committee feedback and surveys.

Home Tools Error-Sign Log... BCS DASG-Misc... Sign in

Bookmarks

- Knowledge
 - Present
 - Apologies
 - 1. Minutes of last meeting
 - 2. INCM Conference – Follow Up Actions – G. Irvine/ N. Leicester/ R. Lewis
 - 3. HGVF Conference – Update – G. Whitley
 - 4. Best Practice Committee Feedback – P. Abrahams
 - 4. DASG Strategy Survey
 - 6. BCS Academy – G. McMullen
 - 7. Turing Lecture – G. McMullen
 - 8. Alliance for Digital Accessibility – P. Abrahams
 - 8. Playlist of John Lewis Presentation to West Sussex BCS Branch to other Branches' Organisations – G. Rippon
 - 10. Presses – R. Lewis
 - 11. Inaccessible BCS Documents – H. Leicester/ P. Steiner
 - 12. SPAs – D. Rippon/ N. Lewis/ P. Steiner
- 13. BCS Quarterly – All
 - Volunteering
 - Auditing External Websites
 - Thought Leadership Event
 - BCF membership
- 14. AGO
 - BCS Women Conference for Support for the elderly
 - Car Jamback
 - Deanna Whippy
- 15. Dates of 2018 meetings

How do we market. Send Higher Education Council, PGC join HGA. Contact press via BCS press officer.

Action Suzette Keith David Rippon: Make changes to announcement by 20 Jan finalised version to be distributed by 25 January.

Action David Rippon: to contact BCS press office about conference.

Action Jeff Hughes: Organise recording of conference and editing.

4. Best Practice Committee Feedback – P. Abrahams

PA has attended several committee meetings.

He will be leading a stream at the Roles Convention, 28 January, looking at the Disability Support and Community Officer role. Howard Leicester, Jeff Hughes, Cornelia Boldyreff and Margaret Ross will be presenting on the stream.

5. DASG Strategy Survey

Jean Irvine and David Rippon have produced a set of question for the survey looking at what DASG should be concentrating on for the next two years. Questions based on the BCS five pillars. Committee happy with questions, DR will send out test version of survey and then get it distributed to full membership.

Action David Rippon: create survey and distribute.

6. BCS Academy – G. McMullen

Carried forward

7. Turing Lecture – G. McMullen

Carried forward

8. Alliance for Digital Accessibility – P. Abrahams

The Alliance for Digital Accessibility is chaired by Kevin Carey and sponsored by BIS. It is waiting a budget and is presently dormant.

Drop kerb a11y



UK Stats




- 7 million working age are registered disabled
- Of those only 45% in work (cf 80% of overall population)
- 11 million below digital skills threshold

Accessible to Whom



- Customers
- Clients
- Students
- Employees
- Developers
- Designers
- Elders
-
-

Simple A11y Checks



- Correct tab sequence
- Zoom text
- Captions on videos
- Alternate text for pictures
- Accessible PDFs
- Fast Flashing
- Check Contrast

Education



- Digital Accessibility MOOC
- BCS Digital Accessibility -Web Essentials
- First Seven Steps to accessible websites
- First Seven Steps to accessible mobile apps

Useful Organisations



- BCS Digital Accessibility SG
- Business Disability Forum
- AbilityNet
- Open Inclusion
- AXSChat

Useful Links



- Cambridge University Inclusive Design Toolkit
- Colour blindness Test
- Understanding WCAG 2
- Webaim WAVE
- BS 8878: 2010 - Web accessibility code of practice

Inclusive



- Thinking about accessibility
- Creates accessible systems
- Creates more usable systems
- Essential for some
- Better for all

Questions



- Thank you
- Questions