bcs
The Chartered Institute for IT

Enabling the information society

Disability, accessibility, personalisation, inclusion and design

BCS place and date

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"

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

Inclusive Society

Inclusive Profession

Inclusive Group

Inclusive BCS

Disability Inclusion
- Movement
- Vision
- Hearing
- Cognition

Technical Inclusion
- Access to HW
- Fast broadband
- Training

Disability

Am I disabled?

Colour Blind
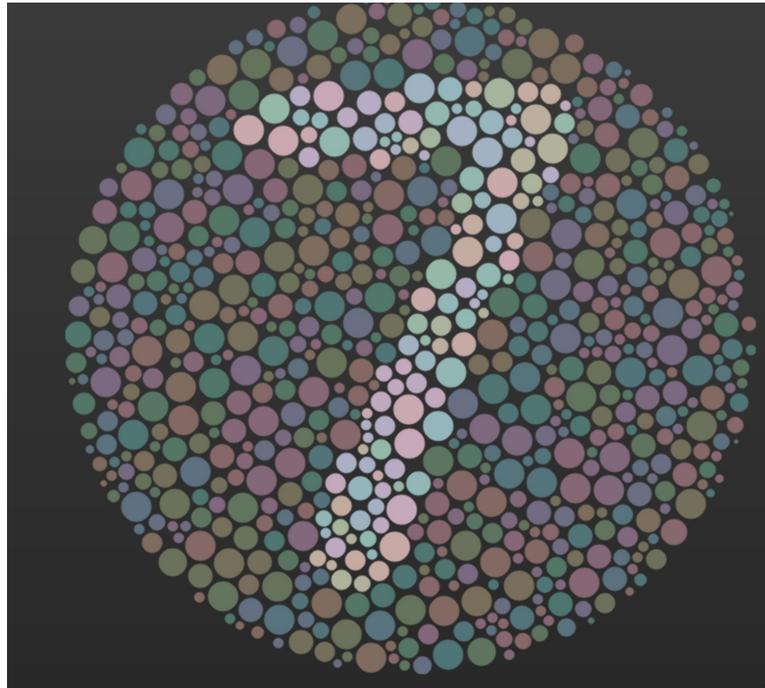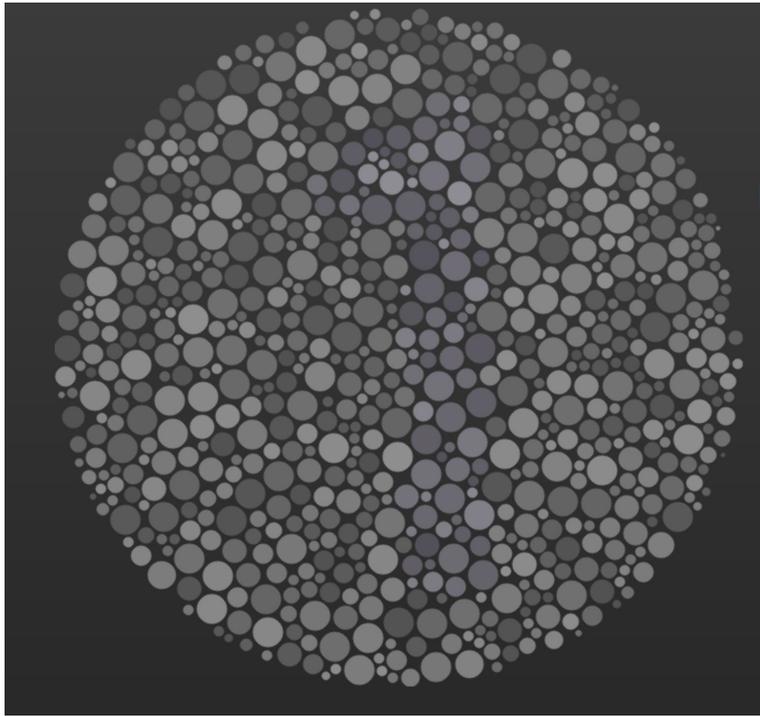
Colour Blind 3?

Ability Spectrum

Super-

Ave-

Less-

Dis-

Non-

Permanent

Situational

Temporary
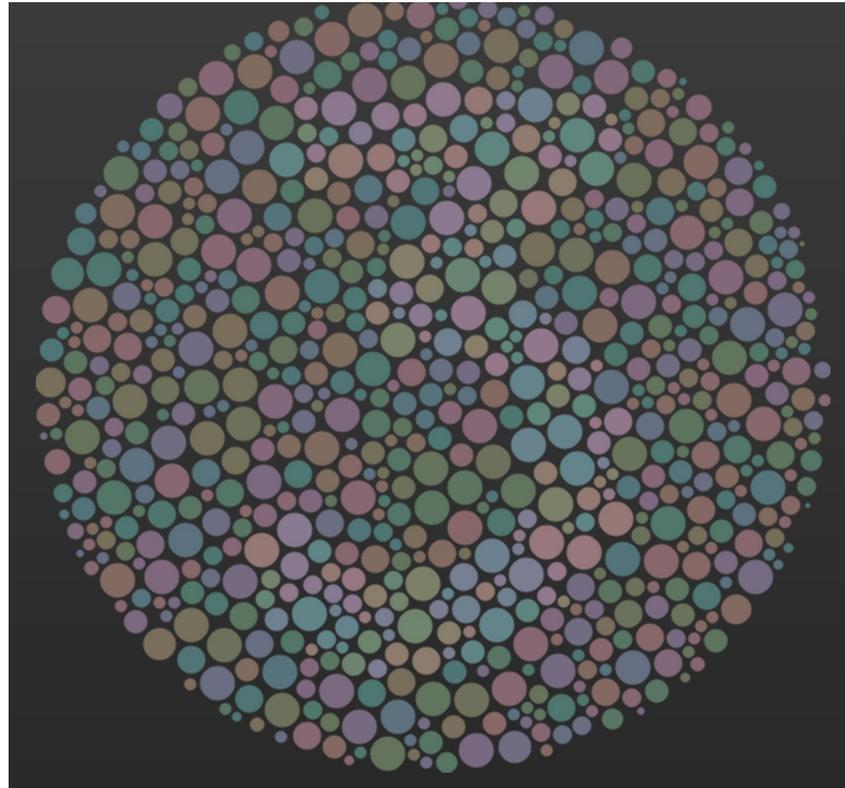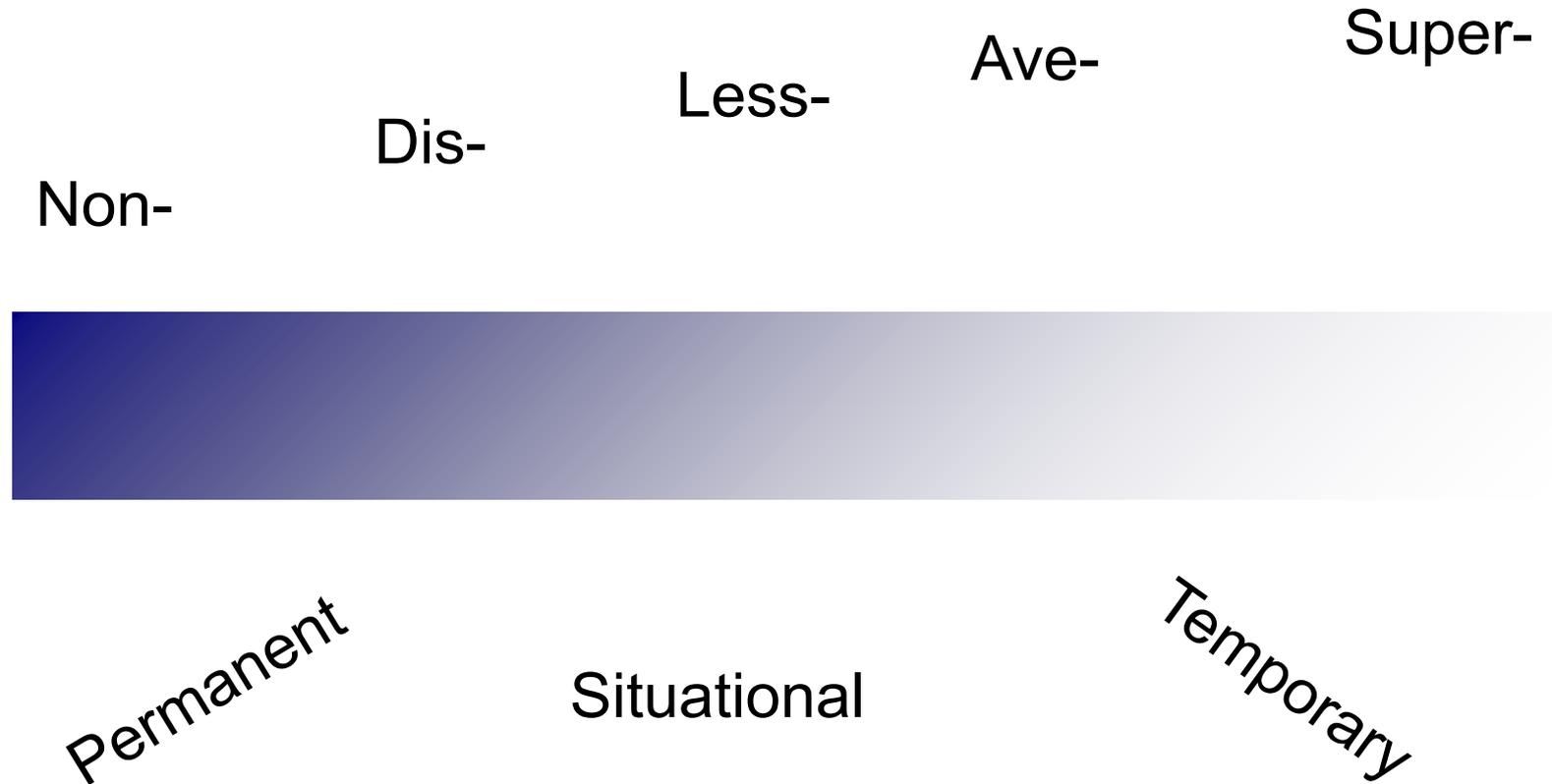
Why?

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

Accessibility

Computing for people with disabilities

Accessibility

Assistive Technology

Computing for people with disabilities

Inclusive Design

Check Contrast

Images

Documents

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

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Correct Tabbing

Zoom Text

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