When we design for the extremes, everyone benefits:

The Canadian online inclusive experience





David Berman Communication

# The New Sta on Accessi

WCAG 2.0 ... WEB, OFFIC

"Highly V - Maureen Quirouet,

OPTUDEO

DAVIDB

PROFESSION

davidberman.communications





Title Search - Search for word(s) / phrase in Title

Search Title of Act or Statutory In 💆 Acts 🛂 SIs St

Set text size: Default Large | Dis



### Disability Act 2005



View Full Act

Legislation Directory Entry

### PART 6

Centre for Excellence in Universal Design

Amendment of Act of 1999.

52.—Part II of the Act of 1999 is amended by inserting the following CI

"Chapter IA

Centre for Excellence in Universal Design

Interpretation

19A.—In this Chapter—

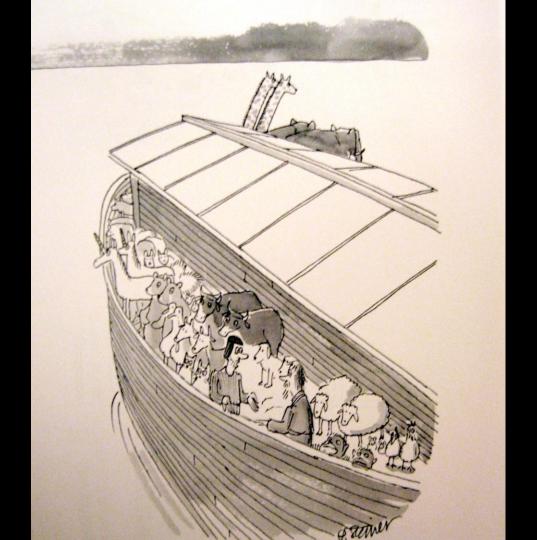
'the Centre' shall be construed in accord 'environment', in relation to any area, me any public places in that area and any pr



# "A lack of detailed expected outcomes makes measuring progress and performance difficult."

SHEILA FRASER, PAST AUDITOR-GENERAL OF CANADA

"Bad news,
Noah...
the unicorns
are gay"





### 10 Open Data

Designed and

Measu

22: To what extent is there a well-resourced open government data initiative?

23: To what extent does the country have a functioning right-to-information law?

What is th 24: To what extent are civil society and information technology professionals engaging with the government regarding open data?

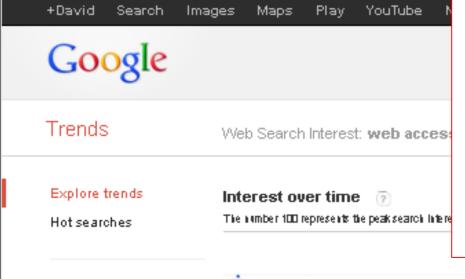
### Leadership: Ontario

Search terms 🔞

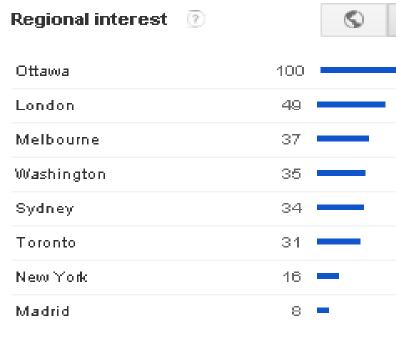
+ Add term

web accessibili

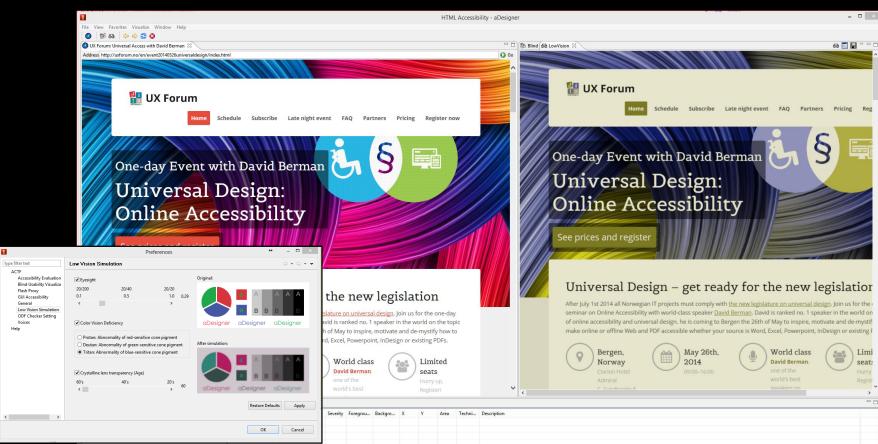
Other comparisons



40



### Made in Ontario low vision simulation

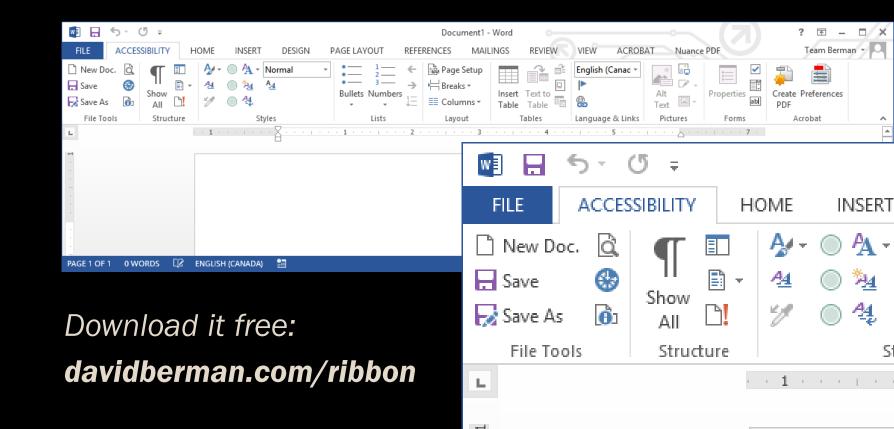


### Made in Ontario accessibility checker



ome David Berm	an <u>Loqout</u> ility Checker <mark>Guidelines Profile</mark>	ACHECKER®
Check Accessi	bility By:	Web Accessibility Checker
Web Pag	ge URL HTML File Upload Paste HTML Markup  Address: http://www.twitter.com  Check It	
Accessibil Kn	Check 248: Visual lists may not be properly marked.  Question: Do all visual lists contain proper markup?  PASS: All visual lists contain proper markup.  FAIL: Not all visual lists contain proper markup.	
Succes Chec	Pass? select/unselect all  **Line 61, Column 1: <body <="" class="home page page-id-1961 page-template-de" td=""><td>fault default no-js has-sidebar-primary has-side</td></body>	fault default no-js has-sidebar-primary has-side
	Make Decision(s)	

### Made in Ontario: Berman Accessibility Ribbon for Word



### Made in Ontario: Cut curbs for documents



Implement it now: bermancorner.com



wcag2.com/next

Join us at our next accessibility course.

Professional Mecales / Heralice professionand, Generalise Services of Professional Speciers, International Endocation for Professional Security.

The New Standard on Accessibility: WCAG 2.0

Toronto, Ontario

This certificate attests to the completion of a professional development course, produced by David Berman Communications.

Le présent certificat attesse que le participant a suvi un procédé de perfectionnement professionnel présenté par l'avid Berman Communications. Professional development Perfectionnement professionnel

David Bernant, Pasc. No.



## Made in Ontario low vision assistive technology



## "I can be the person I'm supposed to be."



### color = life + death



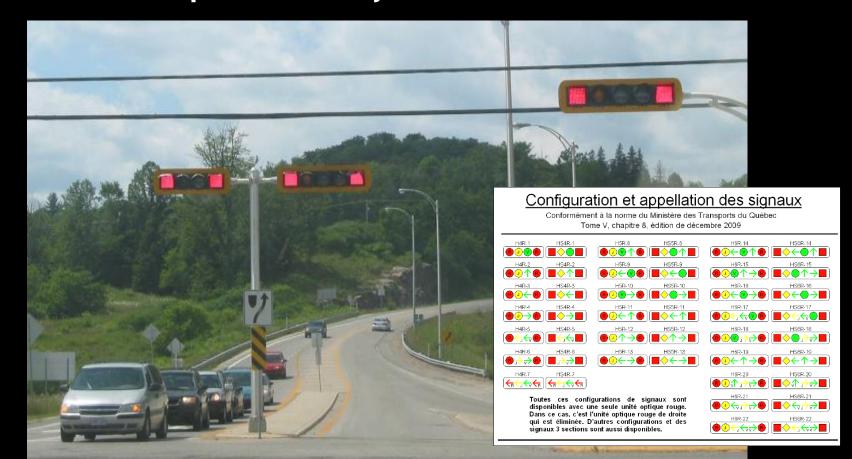


### colorblind = life + death





### colour + shape + how many



### Do Good Design

- David Berman

I saw this traffic signal in Cambridge, Massachusetts last month. What does the red arrow in this traffic signal mean to you?



Designedge

Subscription Services About Us Contact Us

REDGEE AWARDS

Post a Job Total jobs: 23 Jobs this week: 3 Recent jobs: Senie

Typography for the Blind

Design school

Mark Busse Most recent p

\*Where do ideas come Part II

\*Typography for the Blir

\*The Code of Ethics for

why should our clients \* Hate crime or highway

\*Where do ideas come

\*I don't know

### Most Recent Blo Comment

\*Where do ideas come

### Designedge Canad

Somewhere along the wa on this post have strayed topic of "Unleashing Yo.

### Most Read Blog

\*Where do ideas con

\*Where do ideas con



### Do Good Design - David Berman Typography for the Blind

BLOGS

Friday, November 01, 2013

BLOGS

I saw this traffic signal in Cambridge, Massachusetts last month, What



### Blogs



David B

Typography for t The Code of Ethi

why should our cli Hate crime or high



Mark Bus

→ Where do ideas co + I don't know

"The revolution will not be televised ...because it's on the Internet."

ALEXANDER FELSENBERG

5 reasons to care about online accessibility



### Digital inclusion ... the opportunity of our generation







## digital divide 2: New Guinea



# digital divide 2: Mongolia





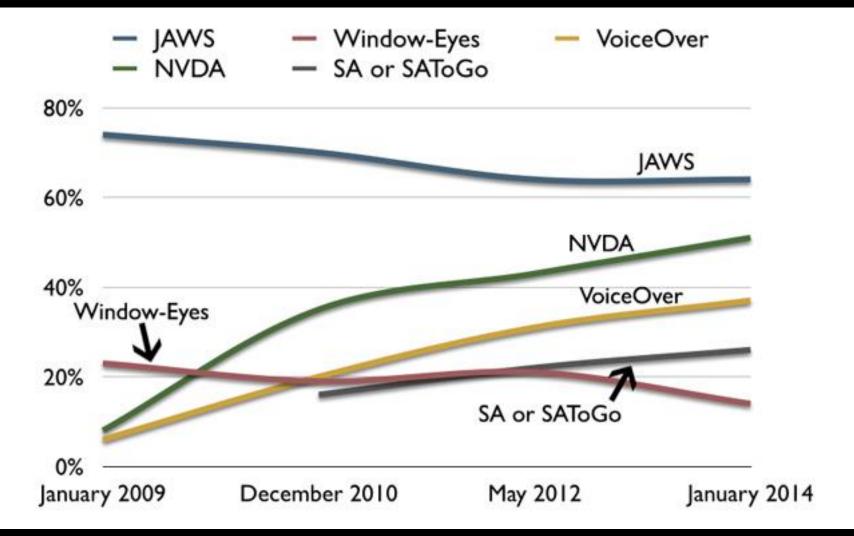
# digital divide 3: Italy





# Digital divide 4: Kenya

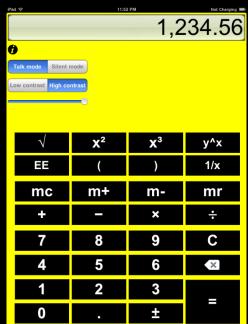




# Mobile has opened up a world of affordable development for accessibility









# The global standard for e-Accessibility WCAG 2.0



W3C's WAI (World Wide Web Consortium) publishes
WCAG 2.0 (Web Content Accessibility Guidelines)

made up of 5 conformance requirements
including 61 success criteria
classified by 3 levels
fulfilled by techniques



### WCAG 2.0 as a regulatory standard is trending globally

Canada govt. CLF 2.0 Part 2 WCAG 1.0 2001

Ireland Disability Act WCAG 1.0/2.0 2005/2007

Canada govt. Standard on Web Accessibility WCAG 2.0 AA 2011

Ont. govt.+biz AODA IASR WCAG 2.0 A/AA 2012-2021

Quebec govt. SGQRI 008 ~WCAG 2.0 2011

Manitoba govt. Website Standards WCAG 1.0 2005

USA, NY govt. Section 508 WCAG 1.0 partial current

USA govt. Section 508 refresh WCAG 2.0 AA 2015

Illinois govt. IITAA ~WCAG 2.0 AA 2015

Australia govt.+biz IPS/NTS WCAG 2.0 A/AA\* 2012-2014

EU govt. Mandate M 376 WCAG 2.0 ???

France govt. RGAA 2.2.1 ~WCAG 2.0 2011

Germany govt. BITV 2 ~WCAG 2.0 2011

New Zealand govt. NZGWS 2.0 WCAG 2.0 2011

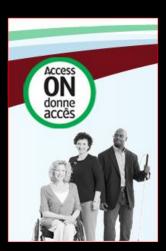
### **AODA:**

### Ontario's accessibility legislation

Accessibility for Ontarians with Disabilities Act (2005) pertains to both government and private sector

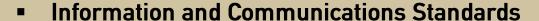






### 2014, 2015: Ontario deadlines took hold

Ontario's precise Integrated Accessibility
Standards Regulation 191/11 (IASR) kicked in, objectifying the 2005 Accessibility for Ontarians With Disabilities Act (AODA):



- Employment Standards
- Transportation Standards
- Design of Public Spaces Standards (regulation 413/12)



"making the province accessible for everyone by 2025"

### July 1, 2014: Norway takes a lead

Norway's Anti-Discrimination and **Accessibility Act,** Section 14 demands WCAG 2.0 Level AA for private sector now.



Anti-Discrimination and Accessibility Act and

Norway.

the regulations that legislate the universal design of

information and communication technology (ICT) in

Unofficial translation of

See Regulation for universal design of information

and communication technology (ICT) solutions for an unofficial translation of the regulation.

the regulation

solutions (Difi.no)

of Government

Administration.

(Regjeringen.no)

for Public Management and

eGovernment

Norwegian Agency

Norwegian Ministry

Reform and Church Affairs

# Government of Canada Common Look and Feel Standards for the Internet 2.0

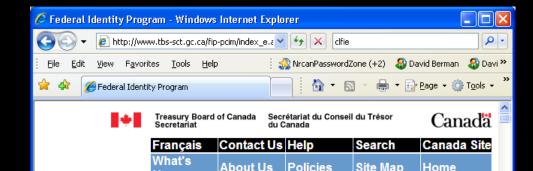


Part 1: Web Addresses

Part 2: Accessibility, Interoperability and Usability of Web Sites

Part 3: Common Web Page Formats

Part 4: E-mail

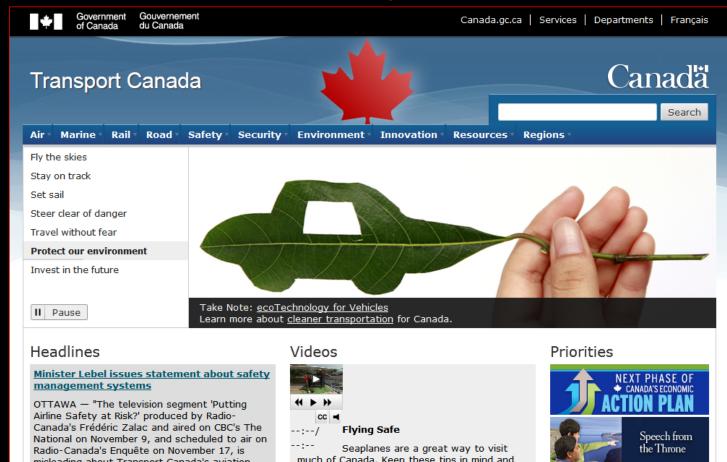


# Canada's *Standard on Web Accessibility* replaces Part 2 of CLF 2.0

... and co-exists with the new *Standard on Web Usability* and upcoming *Standard on Web Interoperability* that entirely replaced CLF 2.0.

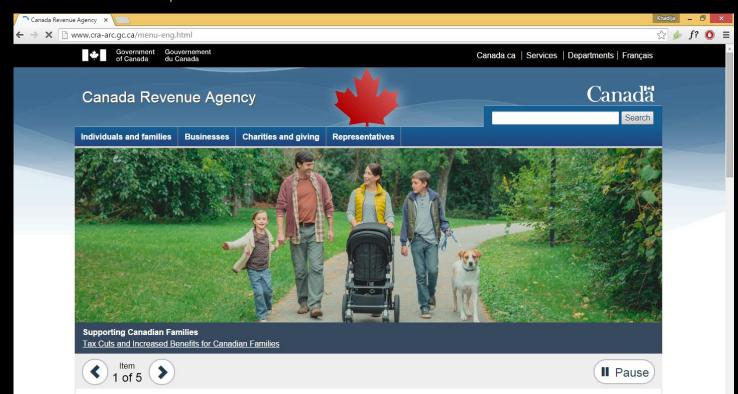


### **New Standard on Web Usability**

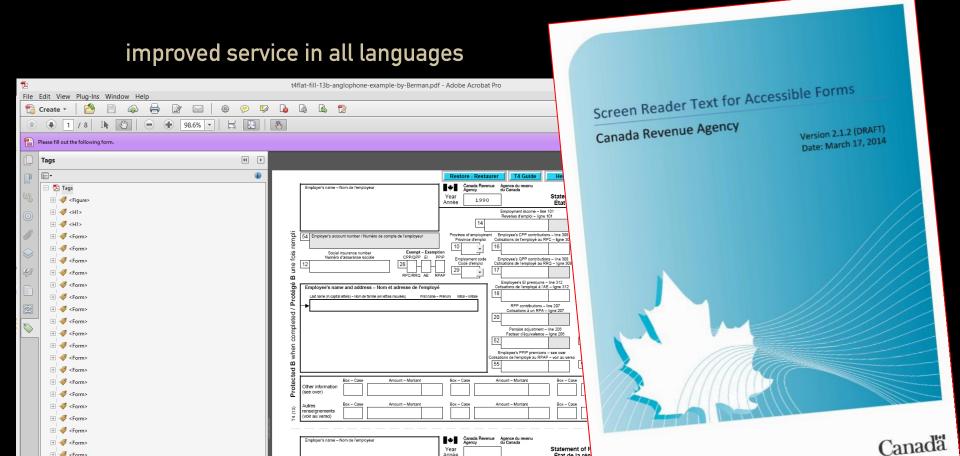


### Canada Revenue Agency: Web site (the "digital first" dividend)

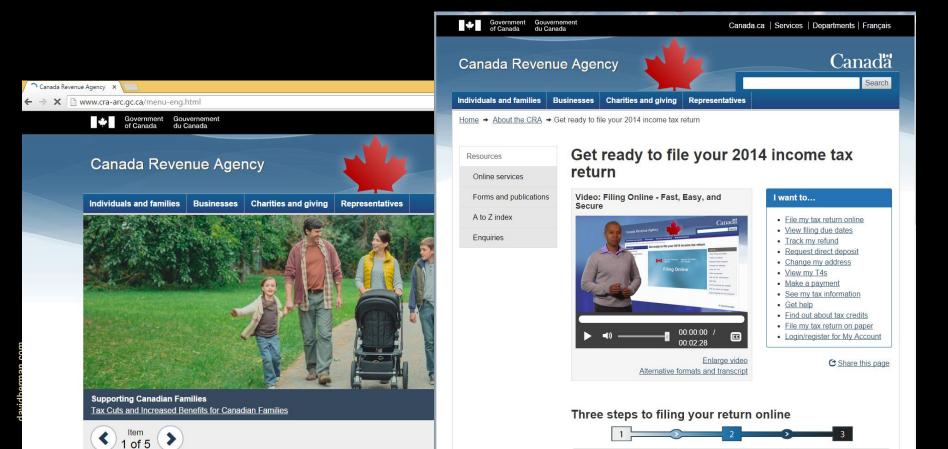
### 6 cents versus \$26



## Canada Revenue Agency: fillable forms



#### Canada Revenue Agency: security and accessibility



#### Fixmystreet.ca drives down public costs, improves delight

English ▼ FIX MY STREET . CANADA Submit a Report View Reports My Reports About REPORT/VIEW/DISCUSS **GRAFFITI. POTHOLES.** EXCESSIVE STREET Supported Cities Enter a nearby postal code, or street name and city: ottawa Search How to Report a Problem

REPORTS FILED

IN THE LAST YEAR

REPORTS FIXED\*

IN THE LAST YEAR

REPORTS UPDATED

IN THE LAST YEAR

Enter a nearby postal code, street name, or city
 Locate the problem on a map of the area

3. Enter details of the problem

4. We send it to the city on your behalf

# City of Ottawa responsive pothole reporting



#### Pothole on the Road

IMPORTANT: to report an immediate hazard to people or property, call 3-1-1.

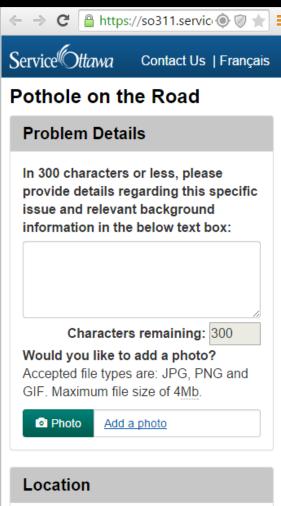
#### **Problem Details**

In 300 characters or less, please provide details regarding this specific issue and relevant

Would you like to add a photo? Accepted file types are: JPG, PNG and GIF. Maximum file size

Photo

Add a photo



cais

#### City of Ottawa Spotlight































#### Online accessibility: it's never been easier



- Our world has never been so accessible
- By helping build a more accessible Web, you are part of the largest liberation in human history

#### Canada's open source Web Experience Toolkit



Collaboration of governments of Canada, Ontario, Australia, New Zealand, ... Ireland?

- Upgrade path to future versions, standards
- Enhanced features (Contact Us forms, display enhancements, geo-targeting and other personalization, skip navigation, CAPTCHA....)
- Builds on Canada's CLF Web template

#### Learning guides, coaching, on-site courses

"The New Standard on Web Accessibility"

"Accessible PDF by Design"

"Accessible Virtual Classrooms"

"Accessible Distance Learning"

"Perfecting Your Web Strategy 2.0"

Available for \$97 each from davidberman.com/store



"The aim is to push beyond standard-setting and asserting human rights to make those standards a living reality for people everywhere."

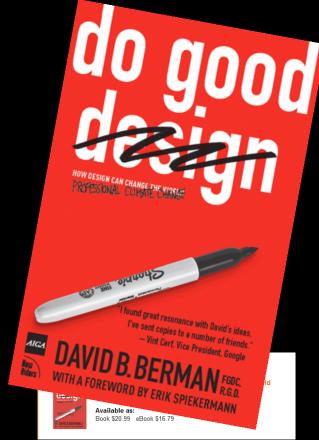
MARY ROBINSON, FORMER PRESIDENT OF IRELAND

# "Universal design accelerate access ... each of us has a role to play in achieving inclusion."

| MINISTER FRANCES FITZGERALD

# Read the first 40 pages of *Do Good <del>Design</del>* free at Google Books

davidberman.com/dogoodgooglebook



Don't just do good design, do good!

### Go raibh maith agaibh!

facebook.com/davidberman

in ca.linkedin.com/in/bermandavid

twitter.com/davidberman

Subscribe: davidberman.com/subscribe

What did you think? davidberman.com/evaluation



More: davidberman.com/courses/schedule

#### Need to reach me?

berman@davidberman.com / +1-613-728-6777



## Don't just do good design... do good!



© 2001-2015 David Berman. All rights reserved. No reproduction, in whole or part, without written permission. Full Intellectual property credits, sources and available upon request or in the full seminar or the full manual that we sell for the full-day version of this event. E&OE