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Accessibility on web apps

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Agenda

- **Accessibility – Definition**
- **Assistive technology and targeted audience**
- **Accessibility ROI**
- **Accessibility considerations**
- **Accessibility tools**
- **Summary**

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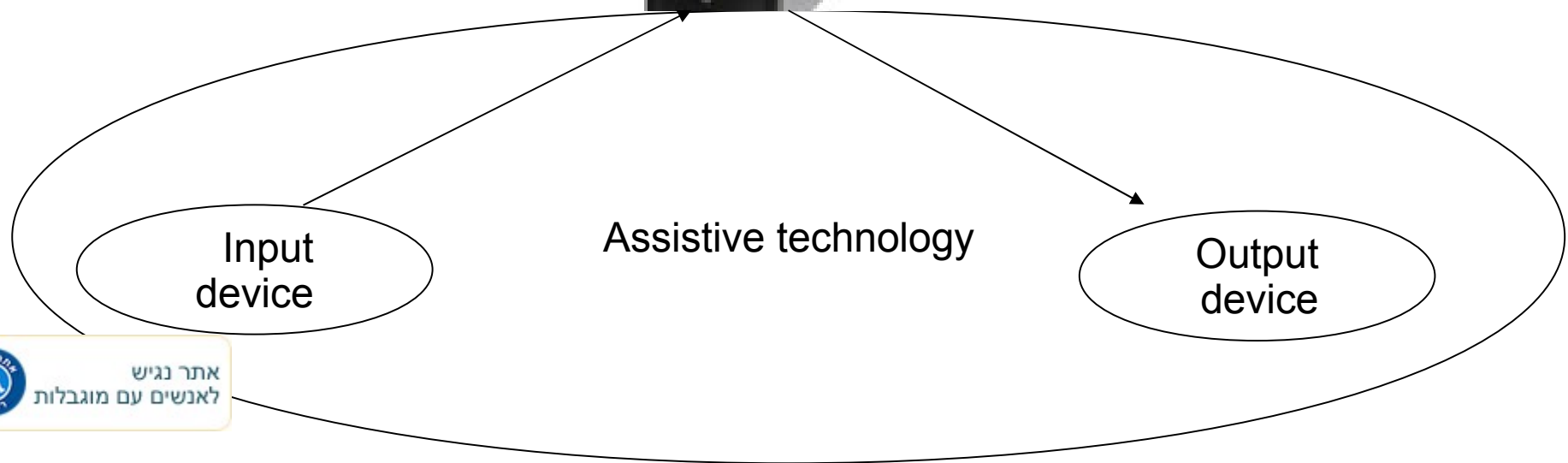
What is an accessibility?



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Where assistive technology comes



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Assistive technology

- **Screen readers**
- **Braille screens**
- **Virtual keyboard**
- **And more...**



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Targeted audience

- **Blind +**
 - **Sight difficulties +**
 - **Color blinded +**
 - **Hearing difficulties +**
 - **Motor disabilities +**
 - **Mental disabilities +**
 - **Others**
 - -----
- 25% of Israeli population***

*According to [Nagish](#)



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Accessibility principles

- **Treat HTML as “protocol”**
- **All content is accessible through both mouse and keyboard**
- **All graphics have text equivalents**
- **Page is written and seen at the same order**

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Accessibility principles

- **Tags will not be used for styling**
- **All input elements are prosaically described.**
- **What's not visible for the eye may be visible to the Assistive devices**

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While building new App

- Choose and configure your DEV tools
- Use validation tool for testing
- Examine yours / 3rd party's controls
- Validate your graphic design
- Include accessibility in your QA testing
-

Testing

- **Strip your page from images / styles**
- **Run validation tool for text equivalence**
- **Run validation tool for your color picking (contrast, luminosity)**

Summary

- **Accessibility can be beneficiary**
- **It is sometimes a must**
- **Accessibility must be considered upon graphic design, development and QA**
- **It is not only for the Internet**
- **It is easy to implement**

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Well said ! Well done?

דיווח שעות - Mozilla Firefox

File Edit View History Bookmarks Tools Accessibility Help

http://bill2.srl.co.il/Billing/

Most Visited Smart Bookmarks Places Getting Started Leon ACE Team - Security, ... חדשות post to DotNetKicks.c...

Live Regions ARIA Table Inspector Colour Contrast Analyser

WAVE Errors, Features, and Alerts Structure/Order Text-only Outline Reset Page Icons Key Toggle Styles Tools

288 (עמוד הבית של רן ואלה) Gmail - Inbox (22) - ran.wahle... Google Calendar Facebook | Groups דיווח שעות פורטל השירותים והמידע של ...

Uh oh, WAVE has detected 192 accessibility errors

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סה"כ 1:00 שעות 21 / 1 ימאר 2009 רן ואלה

הגדרות יציאה הדבק העתק בסל בחירה בחר הכל מחיקה שמור רענון

יום	משעה	עד שעה	משך	לקוח	פרוייקט	הערות
ב' 05/01/2009	11:00	12:00	1:00			
ג' 06/01/2009						עשרה בטבת
ד' 07/01/2009						
ה' 08/01/2009						
ו' 09/01/2009						
ש' 10/01/2009						
א' 11/01/2009						

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Find: michal k Next Previous Highlight all Match case Phrase not found

4 Errors YSlow kicker ONLINE 0:1 GP אור ליום ג', י בטבת התשס"ט, צום עשרה בטבת 80.74.119.141 Now: Clear, 14° C Tue: 19° C Wed: 20° C Thu: 20° C

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References

- **WCAG (Hebrew)**
- **WCAG (English)**
- **WebAim**

Questions?



Thanks

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