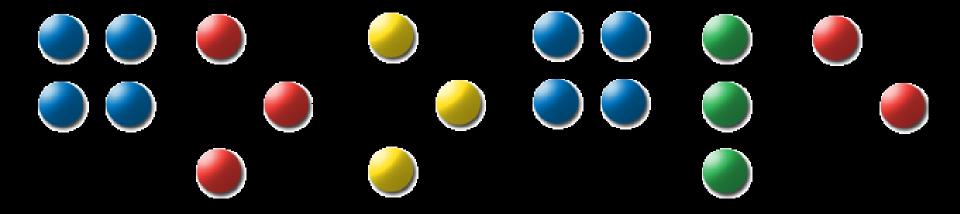
Improving Access to Web Content at Google



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March 12, 2008

Overview

Accessibility developments for :

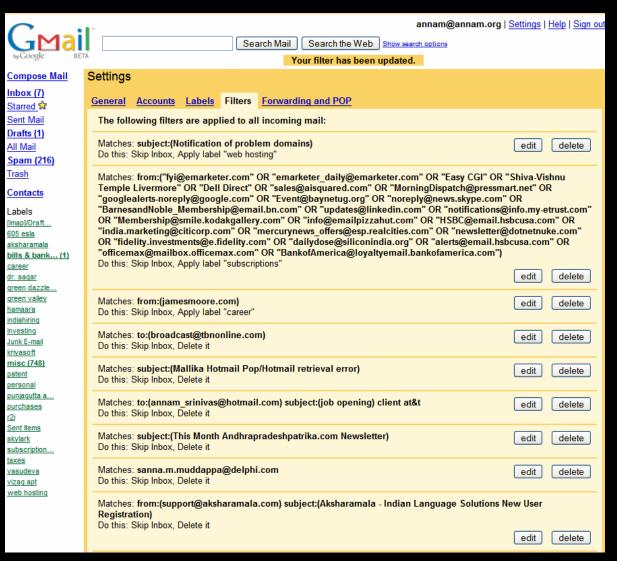
- Gmail
- Search
- Toolbar
- Maps & Transit
- Books
- Video & Captions
- Short Topics
 - Calendar, Google Groups, Documentation

Gmail

- Different ways of getting to your Gmail
 - Standard Interface, Basic HTML, Mobile
 - POP, IMAP
- Standard Interface
 - Improved keyboard navigation
 - Decorated links work with Enter key
 - ARIA roles



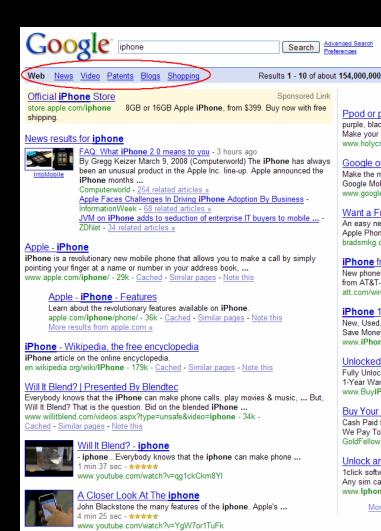
Gmail - basic HTML



- No Javascript.
- Supports older and newer browsers alike. Lynx anyone?
- Access keys;
 section headers
- Labels, filters, multi-account support

Google Search

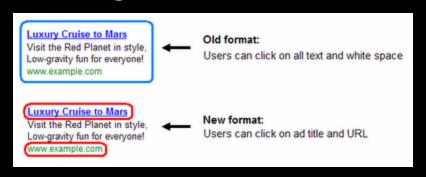
Universal Search



Plus Box



Changes to Text Ads



Desktop Search

- CTRL+ALT+G shortcut
- MSAA Support for deskbar, floating deskbar, sidebar







Google News



barack obama

Search

Advanced news search Preferences

News results: Standard Version | Text Version | Image Version Results 1 - 10 of about 1

Browse Top Stories

Recent

Last hour Last day

Past week

Past month

Archives

All dates 2007 444

2006 2004

Other dates

Blogs^{New!}



RSS | Atom About Feeds



Globe and Mail

Sorted by relevance Sort by date S

The Australian, Australia - 2 hours ago

Clinton thinks she can win a majority of the popular veven if she cannot overtake Barack Obama, her riva A plan for Barack Obama San Francisco Chronicle Democrats more vocal about Hillary, Obama sharing Obama back to winning in Wyoming Jamaica Glean International Herald Tribune - Telegraph.co.uk all 2,884 news articles »

Clinton attacks on **Obama** may boost McCa



Sioux City Journal

Obama aide's monster jibe a political clange

Sydney Morning Herald, Australia - 7 hours ago
Photo: AP BARACK OBAMA struggled to recover fro
adviser called Hillary Clinton "a monster" and said Mr
Obama halts Clinton's winning run The Press Assoc
Obama Campaign Lambasted for Playing the "Mons'
Ridiculopathy Daily (satire)

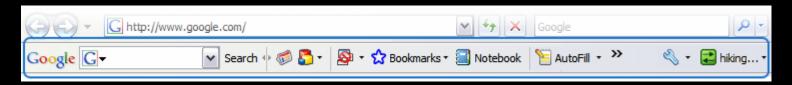
Obama camp now gets careful Indian Express
China Post - AFP
all 1.018 news articles »



Obama Leads in Mississippi, Clinton in Pe

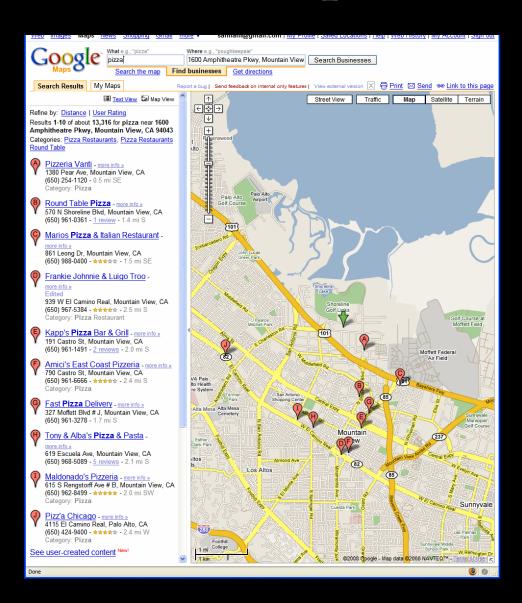
Bloomberg - 8 hours ago By Nadine Elsibai March 9 (Bloomberg) -- Democra

Google Toolbar 5 Beta for IE



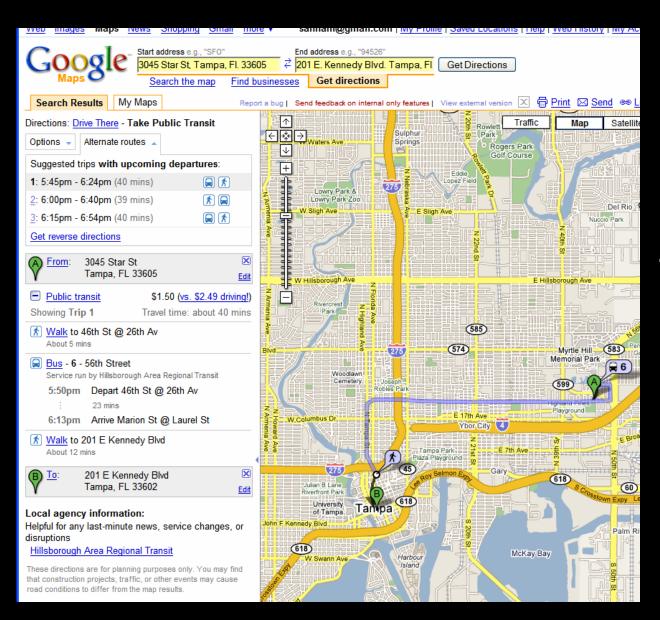
- Recent accessibility changes
 - ALT+G shortcut
 - Keyboard navigation, MSAA Support
 - Access for options dialog, reorder buttons
- How to turn-on/off auto-fill?
 - Adjust Toolbar Options → Options → AutoFill
- Documentation in Help Center
 - Includes sections on accessibility

Maps & Directions



- Driving Directions
- Find Businesses

Google Transit



"Using my screenreading application,
this site is
completely
accessible for people
with visual loss. It
can be a terrific
commuting and trip
planning tool"

- Rob Sleath

Google Books

- Book content
- Finding accessible books
- Accessing books



Copyright Status

- In US, books published before 1923 assumed out of copyright
- In other countries, based on local laws
- Conservative in:
 - Reading of copyright law
 - Known facts for a particular book

Books in Public Domain

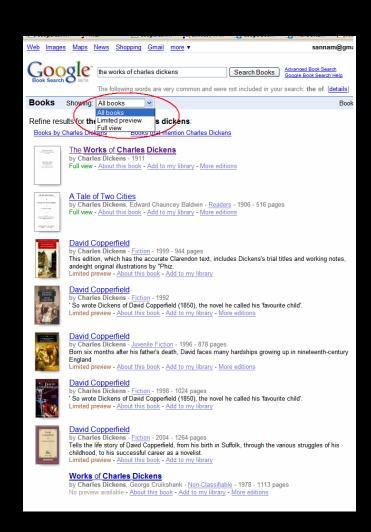
- Download feature:
 - Available in text as well as page images
 - Full pages available
 - All pages available
 - Problems or errors?
 - Go to "About this book" page
 - "Provide feedback" link
- Not all public domain books have download feature
 - Adding support as quickly as possible

Books Under Copyright

- Author or Publisher in Partner Program
 - Provide permission to display limited preview
 - Generally 20% (can be more with permission)
 - No text view
- Otherwise
 - At most, snippets available
 - No text view

Finding Books

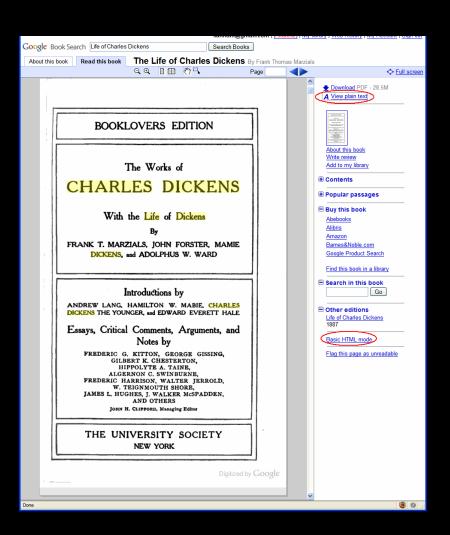
- Book Views
 - Full View
 - Limited View
 - No Preview
- Filter for "Full View"
 - Advanced Search
 - Search Results page
- Check for "View plain text" link



Viewing Books

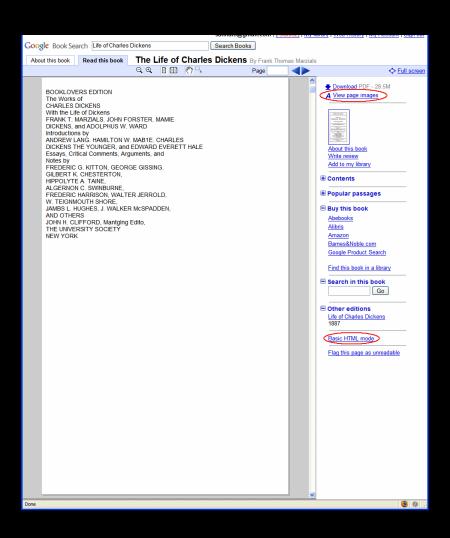
- "View page image" vs "View page text"
- Page Text View exposes text to screen readers
- Search term highlighting only in Page Image View

Default view



- View page image
- Standard mode

Switch to text view

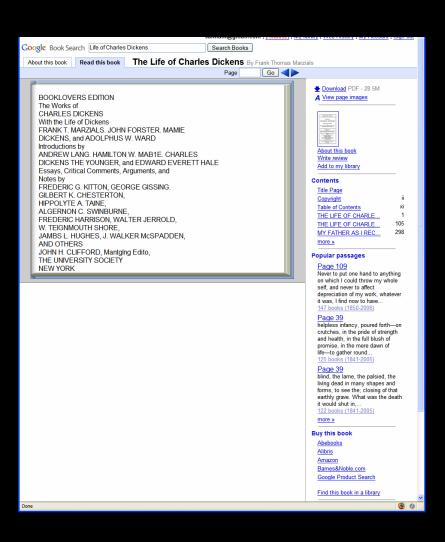


- View page text
- Standard mode

Standard vs HTML Mode

- Applies to the "chrome", not the book
- HTML Mode recommended
 - "Basic HTML Mode" link
 - Becomes default mode for session
- Zoom tools only in Standard Mode
 - Limited magnification

HTML mode and text view



- View page text
- Basic HTML mode

Page Navigation

- Keyboard shortcuts (only in HTML mode)
 - Next or Previous Page (when focused on document)
 - Space, Arrow keys
 - Page Up, Page Down
 - Access Keys: "P", "N"
 - Access Key "S" for search box
- Headings
 - Book title H2
 - Navigation areas H3

Video & Captions

- Captions and search
 - CC icon on search results
 - "Start playing at search term"
 - Captioned videos on video.google.com only
- Captions on by default
- Select caption language

George saved his brother's life that day

Search

Advanced Video Search Preferences

Search: O all videos O videos hosted by Google

Moderate SafeSearch is on

Most blogged | Most shared | Most viewed | Movers & Shakers

Upload video

Results for George saved his brother's life that day

All durations

Sort by relevance 1 - 10 of about 19 (0.022 s) - RSS



It's A Wonderful Life (1946) - Feature Film

C 2 hr 10 min - Oct 4, 2006 - ★★★★★ (1182 ratings)

Gang! George saved his brother's life that day. But it caught him that cold which infected his left ear. Cost him his hearing in that ear.

http://video.google.com/videoplay?docid= 4867975537967299162

Watch video here - Related videos - Start playing at search term (4:57)



Breathe (Zach V Pink Floyd cover)

2 min - Jan 3, 2008 - ★★★☆☆ (2 ratings)

. To this day, audiophiles use The Dark Side of the Moon as a reference standard to test the fidelity of audio equipment despite the fact that it was

http://video.google.com/videoplay?docid=-2202720131186183579

■ Watch video here - Related videos



Loft & Beisser

CC 1 hr 19 min - May 25, 2005 - ★★☆☆☆ (4 ratings)

and his identical twin brother, Mr. Black. 00:10:19:20 Last was kidnapped by strangers, I can only suppose that his brother

http://video.google.com/videoplay?docid=-3539825329735968779

■ Watch video here - Related videos - Start playing at search term (10:05)



WKJO: Who Killed John O'Neill?

1 hr 40 min - Aug 5, 2006 - ★★★★★ (228 ratings)

at the expense of his sanity and even his life. Grappling with multiple realities - and multiple personalities - he must retreat into his mind in pursuit of http://video.google.com/videoplay?docid=-3857917663523144457

₩atch_video here - Related videos



Charlie Rose - Fouad Ajami / Dov Charney

CC 57 min - Jul 14, 2006 - ★★★★☆ (21 ratings)

MORE EVOLVED POLITICAL LIFE THAN THE LIFE OF SYRIA. MUCH MORE EVOLVED POLITICAL LIFE THAN THE LIFE OF EGYPT. MUCH MORE INVOLVE THAN THE LIFE OF A DYNASTY

http://video.google.com/videoplay?docid=-8906053411802681740

Watch video here - Related videos - Start playing at search term (27:00)



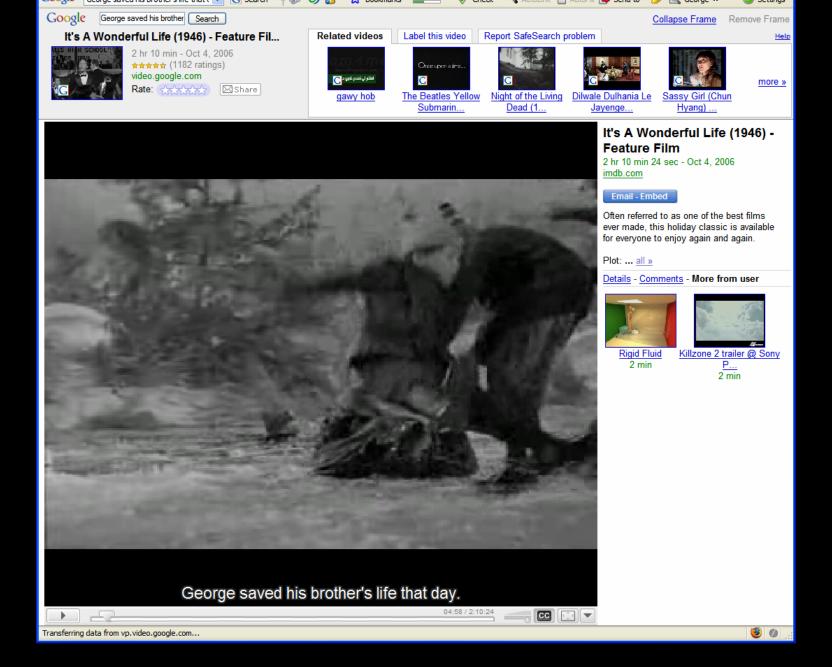
Lage Raho Munna Bhai [hindi film]

CC 2 hr 24 min - May 6, 2007 - ★★★★★ (451 ratings)

Courage to say what? That. What? Just that. Just what? Just that That I like you. http://video.google.com/videoplay?docid=1567617579612544098

■ Watch video here - Related videos - Start playing at search term (59:42).

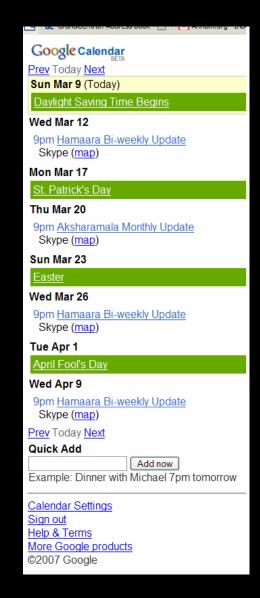






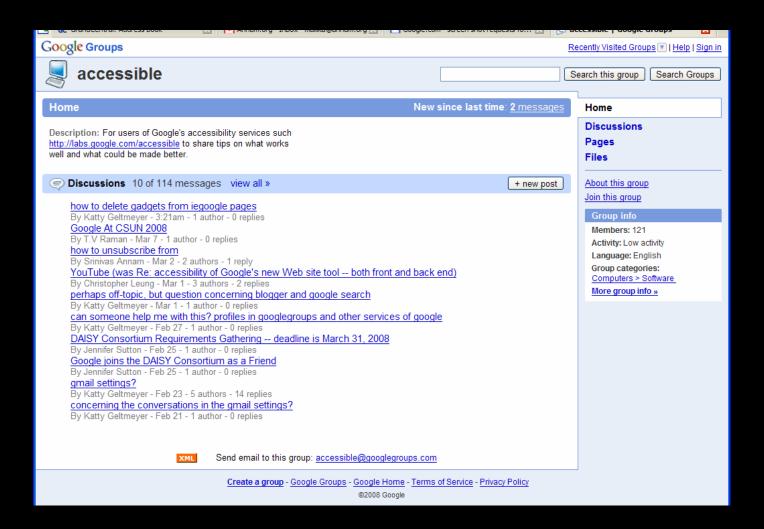
Mobile Calendar

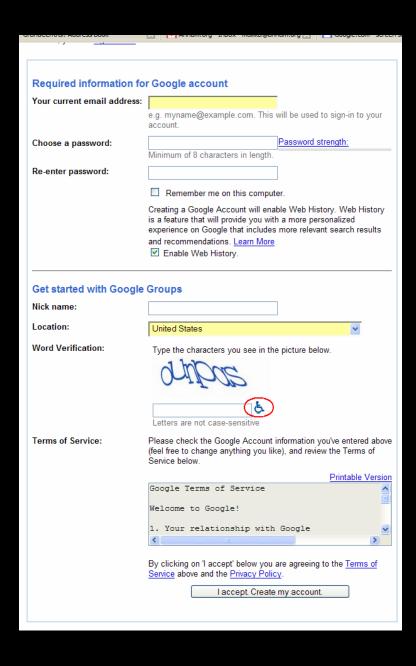
- Light-weight XHTML interface
- Quick access, minimal UI
- User functionality
 - View Events
 - Quick Add Events
 - Modify/Update Settings
 - Enable/disable different calendars



http://www.google.com/calendar/m?output=xhtml

Google Groups





Audio captcha for

- Joining a group
- Creating a group

Documentation

- Improvements to Help Center, API documentation
 - Alt-text for images
 - Summary attribute for data tables
 - Scope attribute for table headings
 - Acronyms and abbreviations

Contact

Email: accessible@googlegroups.com*

http://groups.google.com/group/accessible

^{*} Requires group membership