

Creating Persistent Links to YouTube Music Videos

**NDIIPP Partners Meeting
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Linking YouTube Videos Social Networks

The screenshot shows a web browser window displaying a Facebook profile page for Alessandro Shimabukuro. The browser's address bar shows the URL <http://www.facebook.com/#/alexshima/posts/169239156436979>. The Facebook navigation bar includes the logo, a search box, and links for Home, Profile, and Account.

The profile header for Alessandro Shimabukuro includes a profile picture and a link to a YouTube video: <http://www.youtube.com/watch?v=WbrjRKB586s>. The video post is titled "When The Levee Breaks Led Zeppelin +Lyrics" and includes the lyrics: "When The Levee Breaks by Led Zeppelin whoo hool Lyrics: If it keeps on rainin, levees goin to break, If it keeps on rainin, levees goin to break, When the levee breaks ill have no place to stay. Mean old levee taught me to weep and moan, Lord, mean old levee taught me to weep and moan, Got". The post was made 12 hours ago and has received several interactions:

- Elena Kireeva and Manuel Salvador Rivera Espinoza like this.
- Manuel Salvador Rivera Espinoza commented: "thats great f*** song dude, good to know that somedy still recognizes good stuff" (12 hours ago - Like).
- Alessandro Shimabukuro commented: "Hell yeah, can't beat the classics :D" (11 hours ago - Like).
- Mateus Alves Iml commented: "5 hours ago - Like".

The right sidebar features several sections:

- Photo Memories:** Includes a photo from October 16, 2010, where Alessandro Shimabukuro is tagged, and a "Birthday party 24 yrs old now" photo from November 2009.
- Sponsored:** Contains an advertisement for "Maz Jobrani Live in DC" at Livenation.com, featuring a photo of Maz Jobrani and text about his performance at Warner Theatre in Washington DC on Saturday, 3/19/2011.
- Threadless Select:** An advertisement for Threadless.com introducing a new fall collection.
- Tether Android FREE:** An advertisement for Tether.com promoting internet access on Android devices.

The browser's status bar at the bottom shows "Done" and a chat notification for "Chat (14)".

Linking YouTube Videos Blogs



bedroom or college dorm room to have a Bob Marley and The Wailers poster (the image used on the LP "Legend"); you couldn't be alternative without it. So I'll consider the background on Marley as read since there's nothing I can add to it.

"Redemption Song" is the last song on 1980's "Uprising", the final studio LP from Bob Marley and The Wailers. With the possible exception of "No Woman No Cry", "Redemption Song" is probably my favorite BMATW song. The 7" version of "Redemption Song" had both the acoustic version (from "Uprising") as well as "band version" with The Wailers.

There are dozens of covers of "Redemption Song"; I won't even try to list them all. When Joe Strummer covered it on his 2003 LP "Streetcore", there was only one way to improve on it: a duet with Joe Strummer and Johnny Cash, from the 2003 posthumously released box set "Unearthed". Once again, you have to hand it to Rick Rubin for putting this together (see also: my review of "God's Gonna Cut You Down"). Honestly, does it get any better than Joe Strummer & Johnny Cash covering a Bob Marley song?

Bob Marley (acoustic solo): [YouTube](#). This is closest to the version you're used to.

Bob Marley and The Wailers: [YouTube](#).

Joe Strummer: [YouTube](#).

- ▶ 2011 (11)
- ▼ 2010 (31)
 - ▶ December (5)
 - ▶ November (3)
 - ▶ October (1)
 - ▶ September (1)
 - ▼ August (3)
 - Bob Marley and the Wailers - "Redemption Song" (th...
 - Joe Strummer & The Mescaleros - "Streetcore" (LP R...
 - The Cribs - "I'm A Realist" (LP Review)
 - ▶ July (4)
 - ▶ June (2)
 - ▶ May (2)
 - ▶ April (3)
 - ▶ March (3)
 - ▶ February (2)
 - ▶ January (2)
- ▶ 2009 (67)

SCORES FOR LP REVIEWS

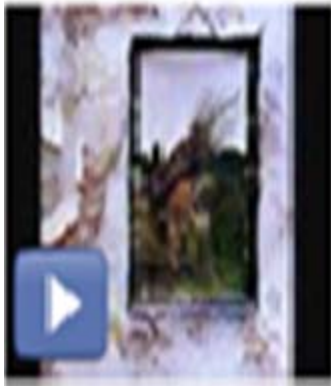
10: Genre defining. The world is a better place because this exists.

9: Excellent. Candidate for LP of the

The Problem

Alessandro Shimabukuro

<http://www.youtube.com/watch?v=WbrjRKB586s>



When The Levee Breaks Led Zeppelin +Lyrics

www.youtube.com

When The Levee Breaks by Led Zeppelin whoo hoo! Lyrics: If it keeps on rainin, levees goin to break, If it keeps on rainin, levees goin to break, When the levee breaks Ill have no place to stay. Mean old levee taught me to weep and moan, Lord, mean old levee taught me to weep and moan, Got

Pointing a link to a specific video copy has a risk of getting an error page instead of the desired content

Copyright Infringement

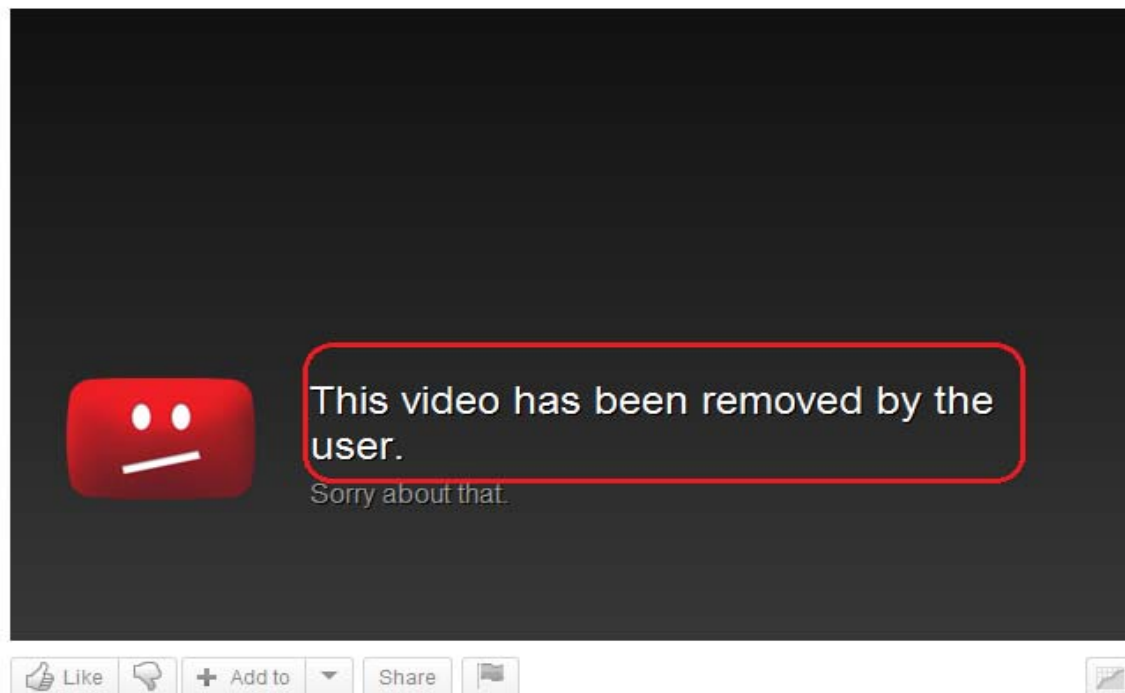
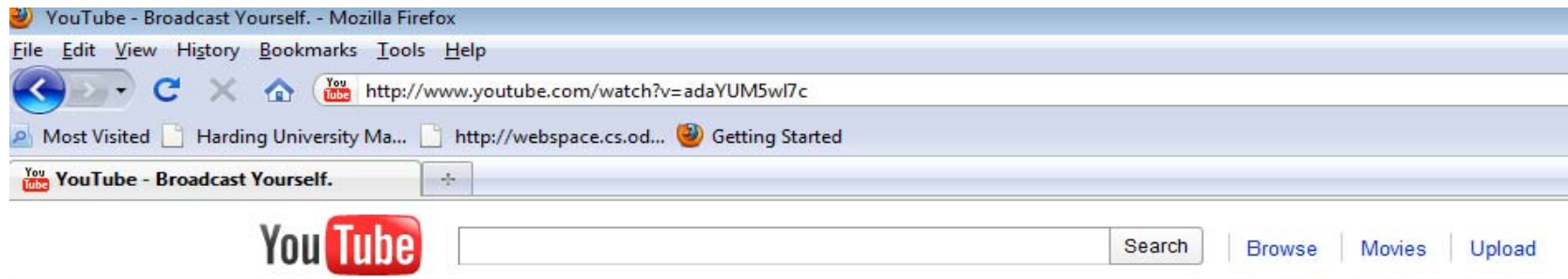
The image shows a screenshot of a Mozilla Firefox browser window. The address bar displays the URL <http://www.youtube.com/watch?v=214szPQBUYc>. The browser's tab bar shows two tabs: "YouTube - Broadcast Yourself." and "Vivens-Music". The YouTube interface includes the logo, a search bar, and navigation links for "Browse" and "Movies".

The video player area is mostly black, indicating a video that is no longer available. On the left side of the player is a red square icon with a white sad face. To the right of this icon, a red-bordered box contains the following text:

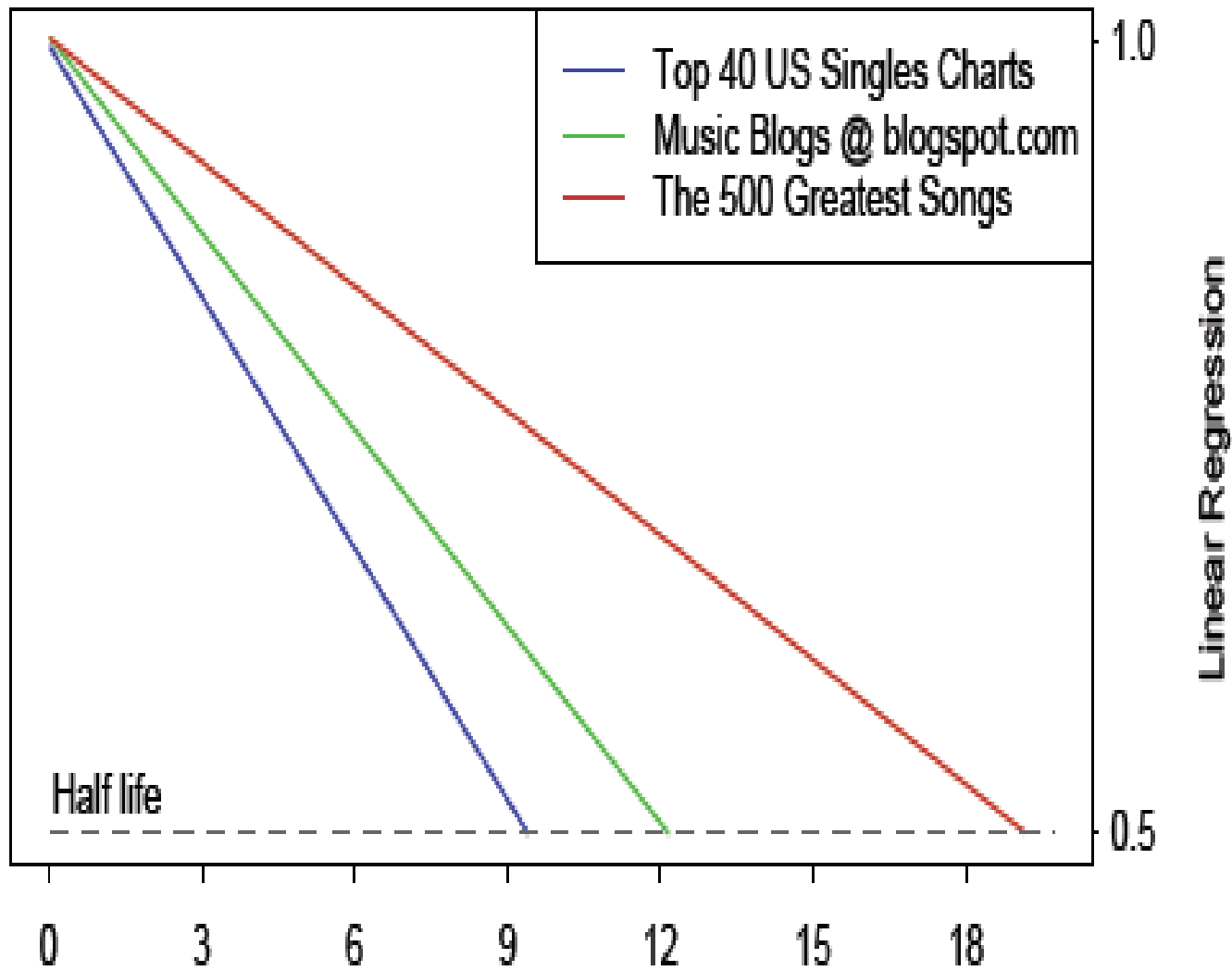
"The Rolling Ston..."
This video is no longer available due to a
copyright claim by ABKCO.
Sorry about that.

Below the video player, there are several interactive buttons: "Like", "Add to", "Share", and a flag icon for reporting.

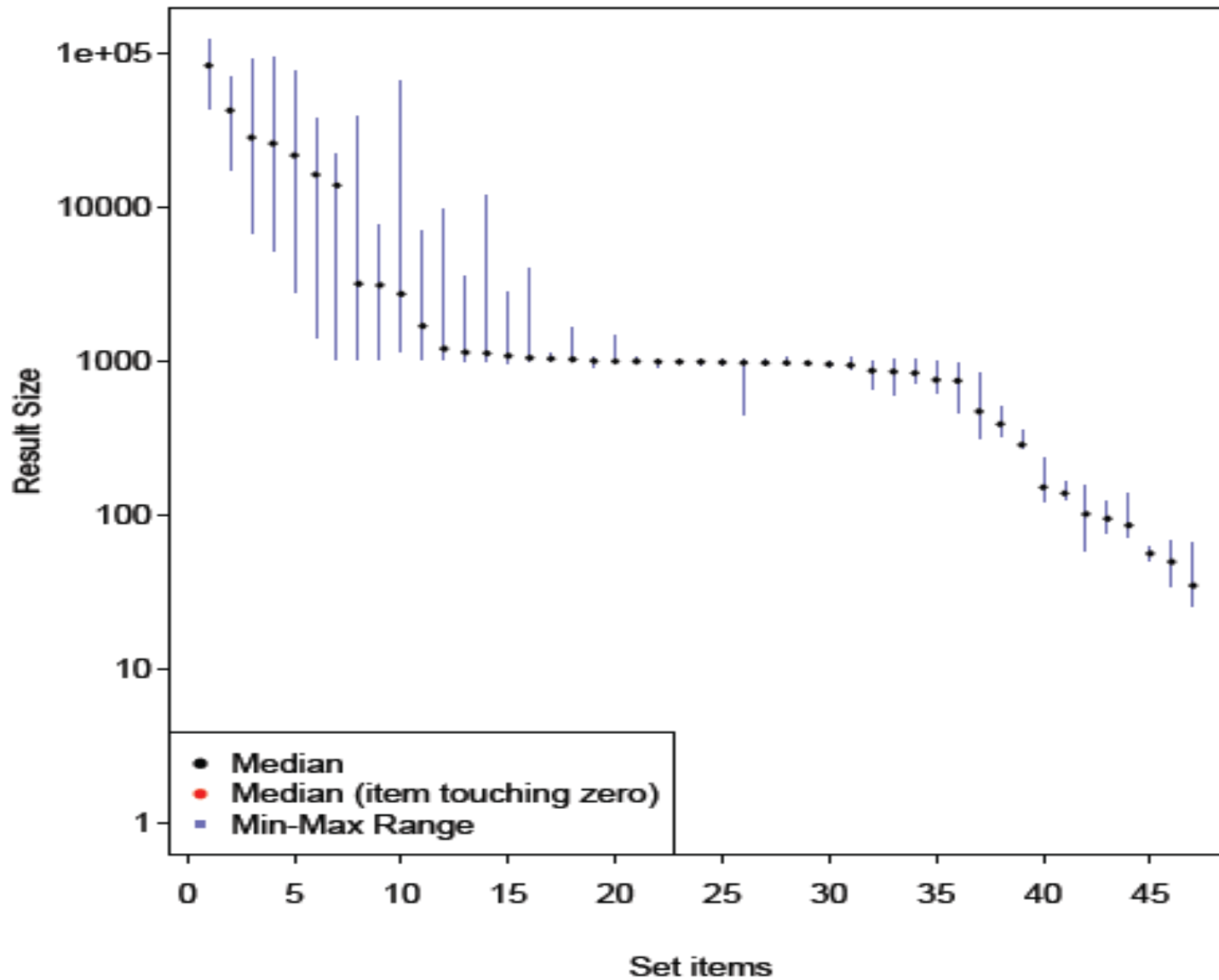
Removed by YouTube User



Half Life of YouTube Videos

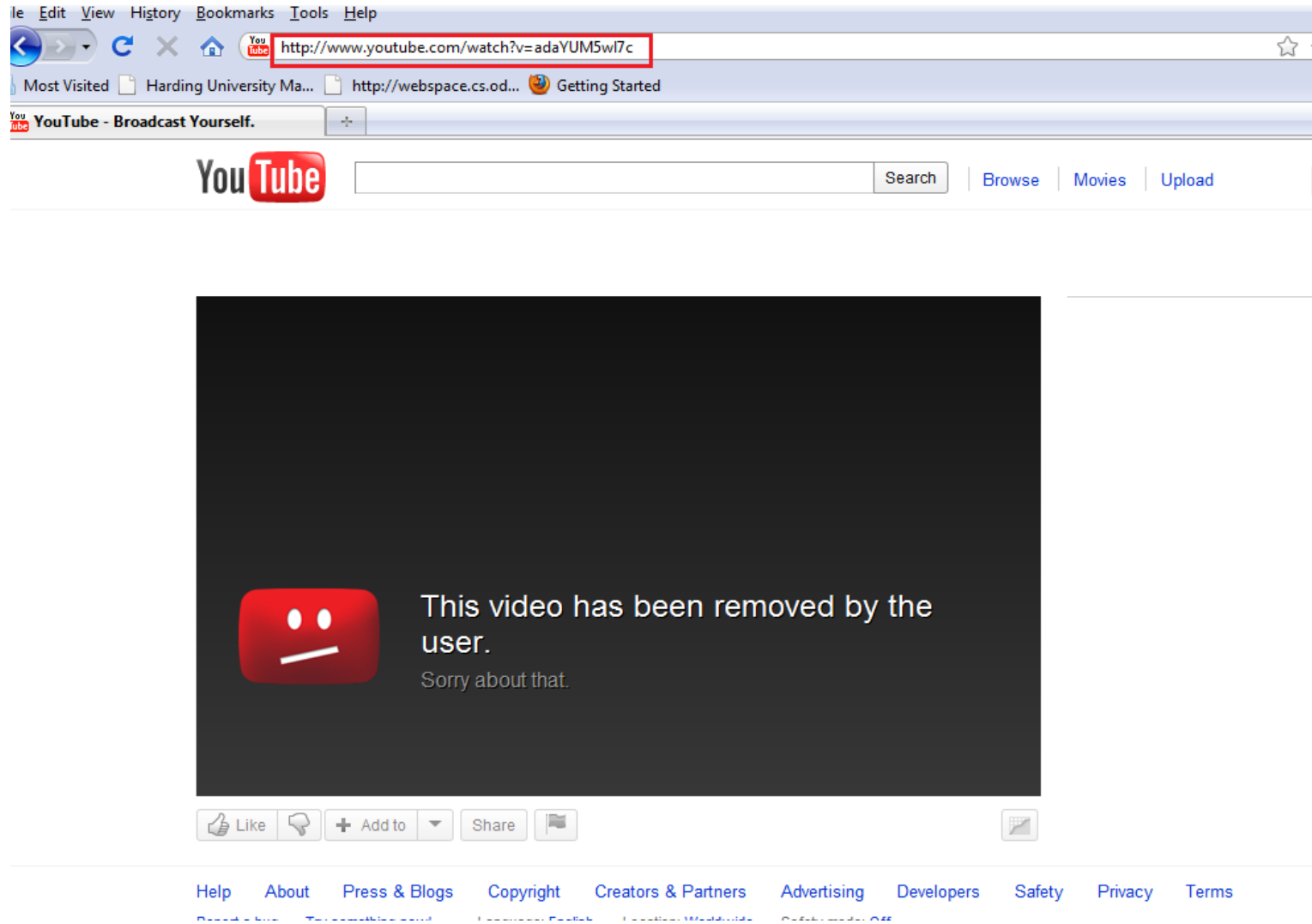


Hundreds of Copies Available at Any Time



Removed Video Copy

video title: Jessie's Girl
Artist's name: Rick Springfield



The screenshot shows a web browser window with the address bar containing the URL <http://www.youtube.com/watch?v=adaYUM5wI7c>. The browser's address bar and tabs are visible, including "Most Visited", "Harding University Ma...", and "http://webspace.cs.od...". The YouTube page header features the "YouTube - Broadcast Yourself." logo, a search bar, and navigation links for "Browse", "Movies", and "Upload".

The main content area displays a large black rectangle with a red YouTube play button icon containing a sad face. To the right of the icon, the text reads: "This video has been removed by the user. Sorry about that." Below this message, there are interactive buttons for "Like", "Add to", "Share", and a flag icon.

The footer of the page contains a row of links: "Help", "About", "Press & Blogs", "Copyright", "Creators & Partners", "Advertising", "Developers", "Safety", "Privacy", and "Terms".

Available Copy of the Same Video

Rick Springfield - Jessie's Girl - YouTube - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.youtube.com/watch?v=qYkbTyHXwbs

Most Visited | Harding University Ma... | http://webspace.cs.od... | Getting Started

http://webspac...HXwbs&debug=on | Rick Springfield - Jessie's Girl - Y... | +

You Tube Search Browse Movies Upload

Rick Springfield - Jessie's Girl

RickSpringfieldVEVO 14 videos Subscribe



EXCLUSIVE BEYONCÉ "BEST THING I NEVER HAD" WATCH NOW > VEVO

Like Add to Share

841,948

Uploaded by RickSpringfieldVEVO on Oct 25, 2010

Music video by Rick Springfield performing Jessie's Girl. (C) 1991 BMG Entertainment

3,335 likes, 31 dislikes

Artist: Rick Springfield

Buy "Jessie's Girl (Acoustic)"

Summer Breeze.

- 3:40
- 3:29
- 7:18
- 3:37

Play all 5 videos in this

Suggestions

- 3:42

2000+ Copies Available in YouTube

Edit View History Bookmarks Tools Help

http://www.youtube.com/results?search_query=Rick+springfield++jessie's+girl&aq=f

Most Visited | Harding University Ma... | http://webpace.cs.od... | Getting Started

Rick springfield - jessie's girl - YouTube

YouTube Rick springfield - jessie's girl Search Browse Movies Upload VivensNdatinya

Search results for Rick springfield - jessie's girl Sort by: Relevance

About 2,140 results

Filter

Rick Springfield - Jessie's Girl
Music video by Rick Springfield performing Jessie's Girl. (C) 1991 BMG Entertainment
by RickSpringfieldVEVO | 8 months ago | **841,900 views** | OFFICIAL

Rick Springfield - Jessie's Girl
Universal Amphitheater August 13, 1982
by shpxjvg | 4 years ago | **327,626 views**

Jessie's Girl Lyrics
No copyright intended!!! Thank you for the 300 000 + views that's sooo amazing :) Song: Jessie's Girl Artist: Rick Springfield Album: Working ...
by hullabee25 | 2 years ago | **1,352,479 views**

Jessie's Girl - Rick Springfield
Rick Springfield
by variousmusic55 | 1 year ago | **210,778 views**

Rick Springfield - "Jessie's Girl"
A 21st century take on an 80s classic.
by AnthonyBandera | 3 years ago | **373,651 views**

Featured Videos

Rick Springfield Sings Lullaby
Popular artist Rick Springfield sings his recently released lul...
by CBSNewsOnline | **2,708 views**

The Talk - Rick Springfield on
Music and TV sensation Rick Springfield talks about the bright ...
by CBS | **4,143 views**

Jessie's Girl - Rick Springfield Expert Full
Hmm so remember back when Activision offered five free dic songs for t...
by thenewnoelsoncruz | **17,397 views**

Rick Springfield - Jessie's Girl - Guitar
One of the best classic rock songs ever! C'mon...you know you like...
by sageguitar70 | **1,648 views**


"Jessie's Girl" (Rick Springfield) Bass Cover
Verv fun little tune from Mr

Metadata on Available YT URIs

YouTube Search | Browse | Movies | Upload

Rick Springfield - Jessie's Girl

RickSpringfieldVEVO 14 videos



VEVO

EXCLUSIVE
BEYONCÉ "BEST THING I NEVER HAD" [WATCH NOW](#)
VEVO

Like Share

838,327

3,316 likes, 32 dislikes

Uploaded by [RckSpringfieldVEVO](#) on Oct 25, 2010

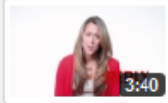
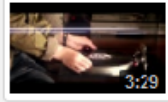
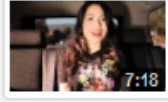
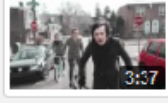
Music video by Rick Springfield performing Jessie's Girl. (C) 1991 BMG Entertainment

Artist: [Rick Springfield](#)

Buy "Jessie's Girl (Acoustic)" on: [AmazonMP3](#), [iTunes](#)


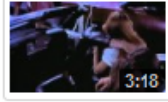

[Show more](#)

Summer Ereeze.

-  **Colbie Caecilia**
by ColbieCaecilia
33,275 views
3:40
-  **Greyson Chance**
You
by GreysonChance
2,058,843 views
3:29
-  **Miranda Lambert**
Codes (Acoustic)
by mirandalambert
2,125 views
7:18
-  **Parachute**
by Parachute
1,265,573 views
3:37

[Play all 5 videos in this list](#)

Suggestions

-  **Duran Duran**
Wolf
by emimus
2,250,531 views
3:42
-  **Rick Springfield**
Fool Around
by RickSpringfield
16,210 views
3:18
-  **Rick Springfield**
In Beirut

Incomplete Metadata



Search

Browse

Movies

Upload

Viv

Strawberry Hill - Red House Painters

BossGotheric

73 videos

Subscribe



Like Add to Share

29,716

Uploaded by BossGotheric on Jan 29, 2009

Strawberry Hill - Red House Painters. From album 'Rollercoaster', recorded Summer 92 to Spring 93. Vocalist Mark Kozelek. Label. 4AD. Chorus Show more

123 likes, 2 dislikes

Artist: Red House Painters

Suggestions

Red House Pai Mixed Up by RedHousePaint 177,967 views 4:43

YouTube Mix for Painters by YouTube PLAYLIST 62 videos

Red House Pai Moments by wrongstring 14,271 views 7:53

Red House Pai Out by MrJackwithone 2,017 views 4:49

red house paint colorful hill by pitigghiuzzu 14,645 views 10:52

Red House Pai Love Songs by doisedois 54,682 views 10:55

Missing Metadata

Massamba-Arihehe - YouTube - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.youtube.com/watch?v=KiEyUImxBs&feature=grec_index

Most Visited Harding University Ma... http://webpace.cs.od... Getting Started

Massamba-Arihehe - YouTube

You Tube Search Browse

Massamba-Arihehe

[Babyfacedblackjesus](#) 52 videos



213,706

Uploaded by [Babyfacedblackjesus](#) on May 15, 2008

Indirimbo z'iwacu Show more

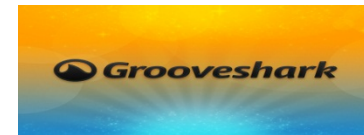
69 likes, 4 dislikes

Uploader Comments ([Babyfacedblackjesus](#))

Abatugejejeho ibyivugo byo muri iyi ndirimbo nziza turabashimiye murakabeho iteka.

Querying the WI for Structured Metadata

Music-related APIs



Retrieving and Publishing Metadata into Web Infrastructure

**Introducing a level of indirection by pointing the
original given URI to an outsourced service**

Resolver Service

\$URI = youtube.com/watch?v= videoid

\$newURI = \$serviceURI . \$URI

\$URI = \$newURI

```
if (($video == "200 OK")&&! Seen_already($video)){  
    Twitter($video)  
    Tumbler($video)  
    Blogger($video)  
    Delicious($video)  
  
    Redirect to YouTube to play the video  
}  
else if (($video == "200 OK")&& Seen_already($video)){  
    Redirect to YouTube to play the video  
}  
  
else if (($video == "404 Not Found ")&&Seen_already($video)){  
    Retrieve metadata and search for available alternative copies  
}  
  
else if (($video == "404 Not Found ")&& !Seen_already($video)){  
    Request the metadata for the desired video from the user  
}
```

Metadata Preservation

Example: Delicious

The screenshot shows a web browser window with the address bar at `http://www.delicious.com/youtube_Metadata/metadata`. The page title is "youtube_Metadata's metadata Book...". The main content area displays a list of bookmarks under the heading "youtube_metadata's metadata Bookmarks". Two bookmarks are visible, each with a red box highlighting its metadata fields.

Bookmark 1: G4TRD-Vc9vU (SAVE | SHARE)

- id: G4TRD-Vc9vU
- u: <http://www.youtube.com/watch?v=G4TRD-Vc9vU>
- ma: The Sheila Divine
- ms: Hum
- d: 163

Bookmark 2: qYkbTyHXwbs (SAVE | SHARE)

- id: qYkbTyHXwbs
- u: <http://www.youtube.com/watch?v=qYkbTyHXwbs>
- ma: Rick Springfield
- ms: Jessie's Girl
- d: 196

Metadata Preservation

Example: Twitter

Twitter / Home - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://twitter.com/

Most Visited | Harding University Ma... | http://webspace.cs.od... | Getting Started

Twitter / Home

twitter Search Home Profile Messages Who To Follow

What's happening?

Timeline @Mentions Retweets Searches Lists

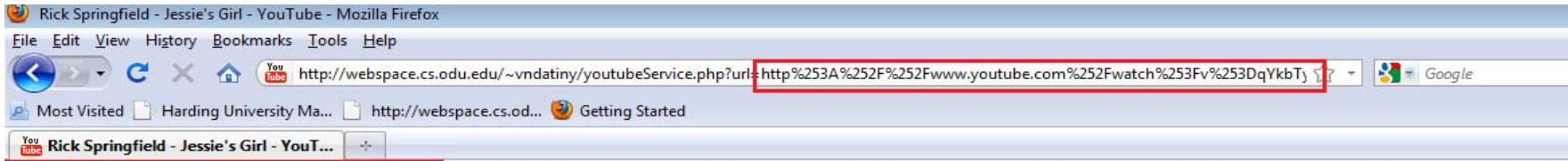
youtubeMetadata Vivens Ndatinya
adaYUM5wI7c{"u":"http://www.youtube.com/watch?v=adaYUM5wI7c", "ma:" "Rick Springfield", "ms:" "Jessie's Girl", "d:" "196"}
now

youtubeMetadata Vivens Ndatinya
214szPQBUYc{"u":"http://www.youtube.com/watch?v=214szPQBUYc", "ma:" "The Rolling Stones", "ms:" "Satisfaction"}
5 minutes ago

Get started on Twitter

1. Follow your first 10 accounts
 - Browse popular accounts by interest
 - Look for your friends
 - find users by name Search
2. Get Twitter on your phone
 - Set up mobile notifications
 - Download a Twitter application to your phone
3. Set up your profile
 - Upload a profile picture
 - Write a short bio
4. Write your first Tweet!
 - Tell the world what's happening in 140 characters

200 Response



The response for this video is 200.

The metadata found is:

upload_title: Rick Springfield - Jessie's Girl

duration: 196

videoid: qYkbTyHXwbs

artist: Rick Springfield

title: Jessie's Girl

Caught exception: Tumblr services are temporarily unavailable.

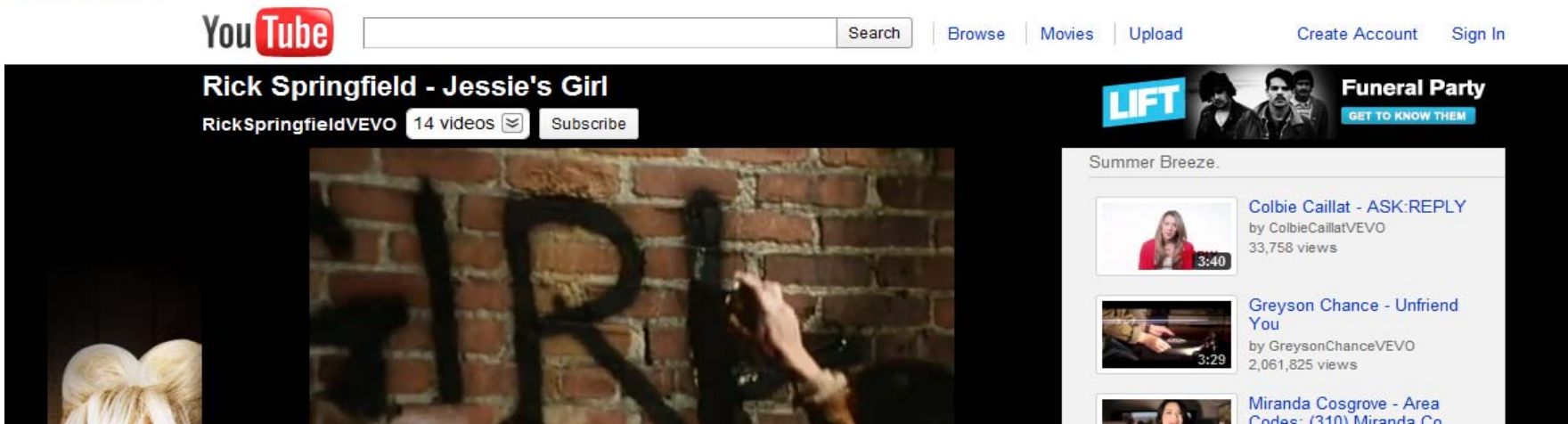
The metadata for this video is already preserved in the blogger

The metadata was already preserved in delicious

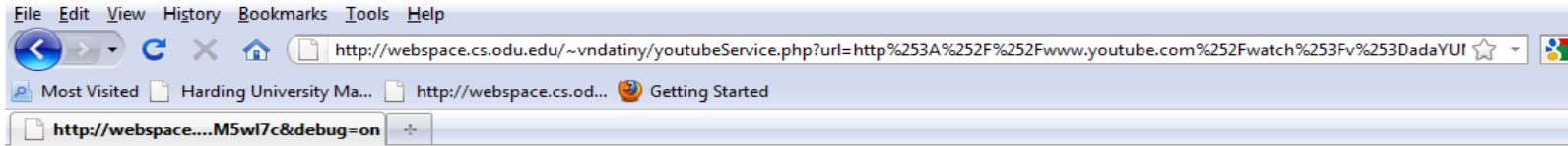
The metadata was sent to twitter

Remove the debugging information

Final Result:



404 Response



The response for this video is 404.

The preserved metadata:

id: adaYUM5wl7c

u: <http://www.youtube.com/watch?v=adaYUM5wl7c>

ma: Rick Springfield

ms: Jessie's Girl

d:196

Caught exception: Tumblr services are temporarily unavailable.

The metadata was retrieved from blogger.

[Remove the debugging information](#)

Final Result:

Web Images **Videos** Maps News Shopping Gmail more ▾

Google SafeSearch

About 2,530 results (0.22 seconds) Advanced search

Everything
Images
Videos
News
Shopping
More

Any duration
Short (0-4 min.)
Medium (4-20 min.)
Long (20+ min.)

Ads
Rick Springfield
www.ebay.com
Great deals
Bid or buy
See your ad

Rick Springfield - Jessie's Girl
youtube.com
3 min - Oct 25, 2010 - Uploaded by RickSpringfieldVEVO
Music video by Rick Springfield performing Jessie's Girl. (C) 1991
BMG Entertainment

Jessie's Girl - Rick Springfield
youtube.com
3 min - Nov 7, 2009 - Uploaded by variousmusic55
Rick Springfield

Rick Springfield - Jessie's Girl
dailymotion.com

Metadata Not Found

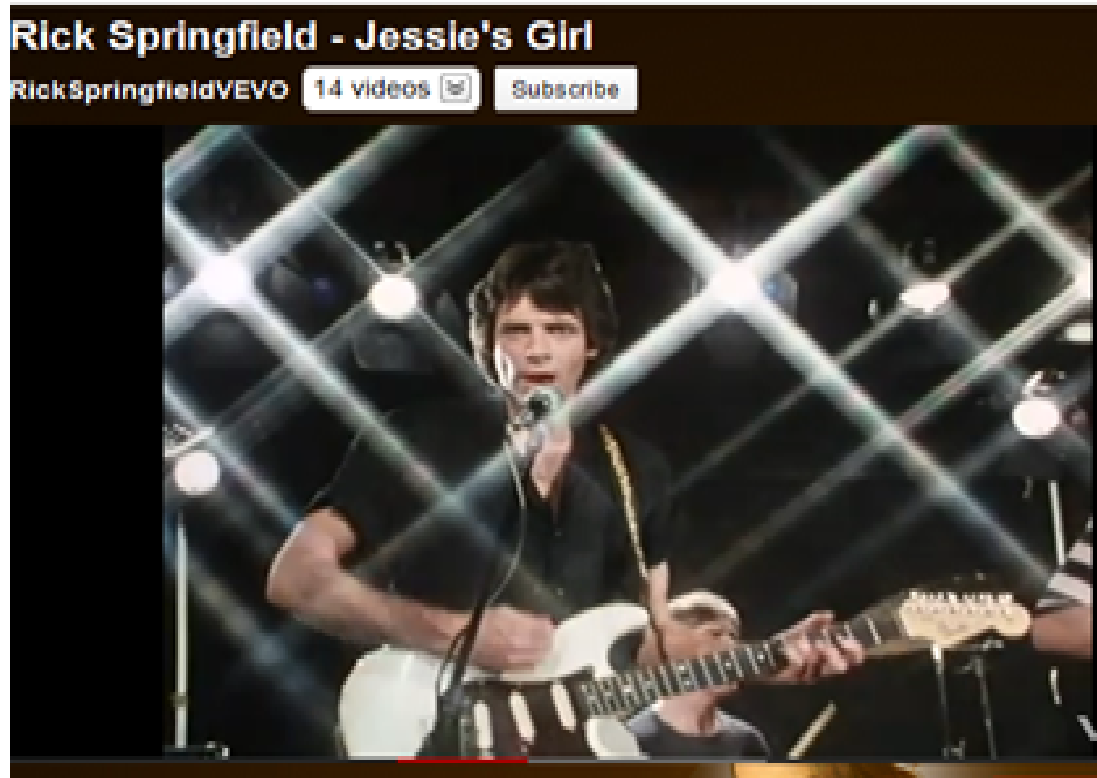
Provide information for the expected video

Video title:

Artist's name:

Send

Conclusion



- A 404 response does not mean that YouTube videos like **Jessie's Girl** went away.
- We are working on automating indirection to a service that finds YouTube songs at other URIs.