Fundamentals of HTML5

Second Edition
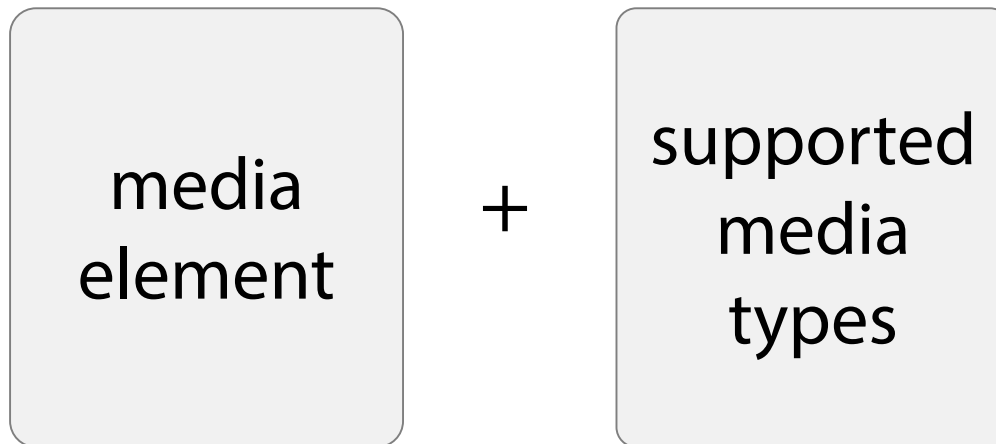
Media

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pluralsight
hardcore developer training

What is HTML5 Media?

media element $+$ supported media types

Native Video Formats

WebM (VP8 & 9)

H.264 (MP4)

Ogg Theora

Video courtesy of: http://www.bigbuckbunny.org/

Native Audio Formats

WebM

AAC

WAV

MP3

Ogg Vorbis

Ogg Opus

Native Media Support

⚠️ Volatile information….

Native Video Support

	IE	Chrome	Firefox	Safari	Opera
VP9 (WebM)	✖	29.0 (nightly)	✖	✖	✖
VP8 (WebM)	Manual Install	6.0 – 24.0	4.0	Depends	10.6
H.264 (MP4)	9.0	3.0	Depends	3.1	✖
Ogg Theora	Manual Install	3.0	3.5	✖	10.5

No Common Format

Encode in multiple formats

Server Content Types

video/ogg   .ogv
video/mp4   .mp4
video/webm   .webm

Native Audio Support

	IE	Chrome	Firefox	Safari	Opera
Ogg Opus	✕	25	15.0	✕	14.0
WebM	✕	Yes	4.0	✕	10.6
AAC	9.0	Yes	21.0 (Windows only)	3.1	14.0
WAV	✕	✕	3.5	3.1	11.0
MP3	9.0	6.0	21.0 (Windows only)	3.1	14.0
Ogg Vorbis	✕	9.0	3.5	Yes	10.5

Native Audio Support

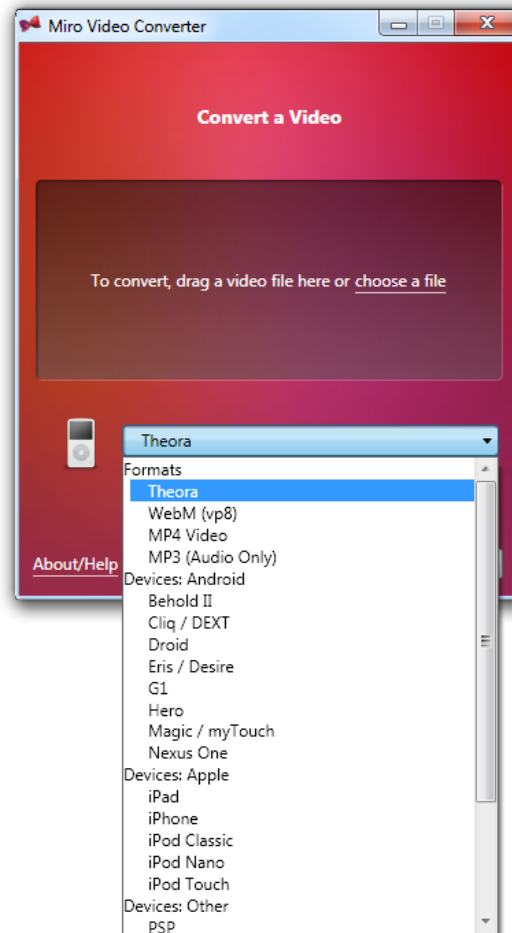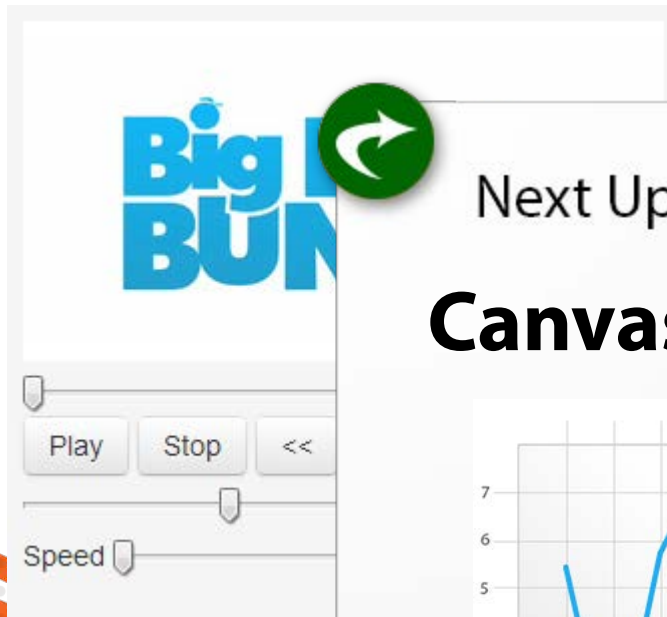|	IE	Chrome	Firefox	Safari	Opera
Ogg Opus	✕	25	15.0	✕	14.0
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MP3	9.0	6.0	21.0 (Windows only)	3.1	14.0
Ogg Vorbis	✕	9.0	3.5	Yes	10.5

Sources: http://bit.ly/12TvUjO

Encoding Media
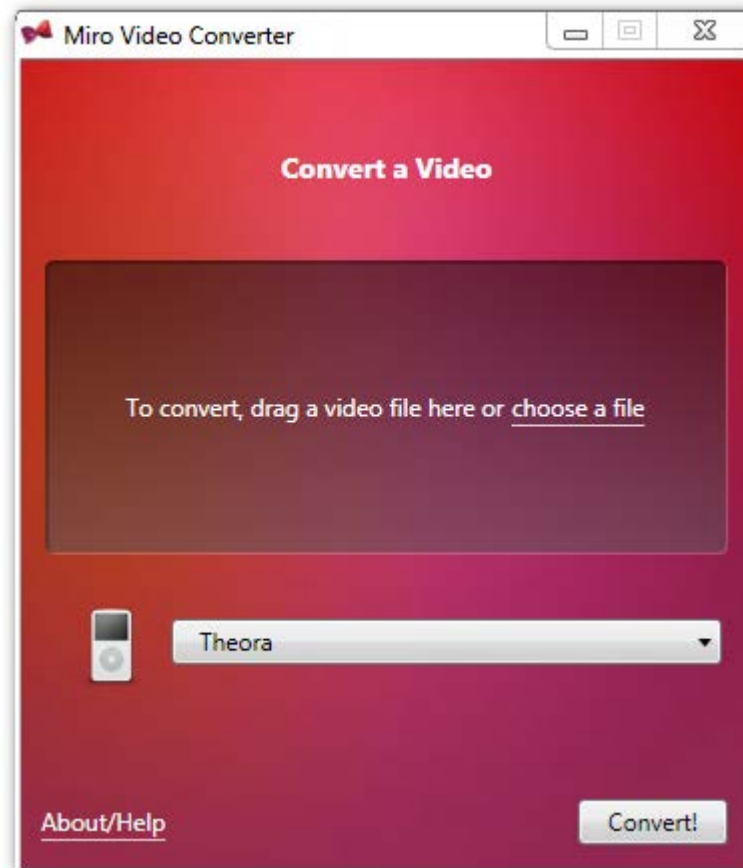
Encoding Media

Encoding Media

Summary

Next Up....

Canvas