

A high-contrast, black and white silhouette of a person operating a professional video camera. The person is shown from the side, leaning forward and looking through the viewfinder. The camera is a large, professional-grade model with a prominent lens and various attachments. The background is a solid, bright white, which makes the dark silhouette stand out. The overall composition is simple and focused on the subject's action.


Video Production

An Opportunity







A man with dark hair, wearing a black t-shirt, is looking through the eyepiece of a large, complex scientific instrument. The instrument has a large black lens or sensor at the front and various mechanical components. The background is a plain, light-colored wall. The text "VISION R-200" is visible on a white circular part of the instrument.

Side-by-Side: The Science, Art and Impact of Digital Cameras

Airing on PBS - Keanu Reeves



Canon EOS



HD Everywhere









DSLR
Advantages





Voice Recorder



Tripods

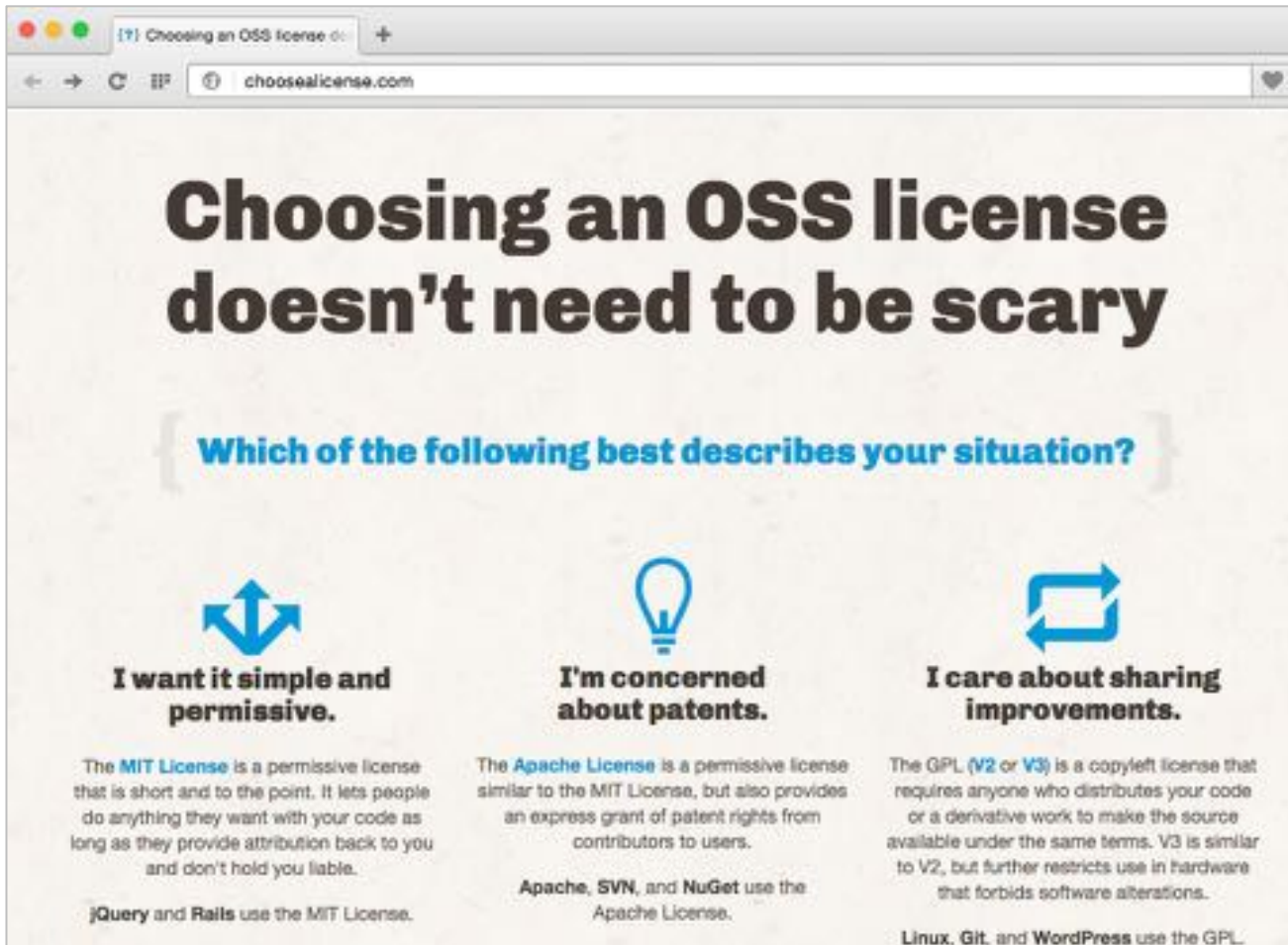


Lights

Flying Camera



A few words about licensing



The screenshot shows a web browser window with the address bar displaying "choosealicense.com". The main heading is "Choosing an OSS license doesn't need to be scary". Below this is a question: "Which of the following best describes your situation?". There are three options, each with an icon and a description:

- I want it simple and permissive.** (Icon: double-headed arrow) The **MIT License** is a permissive license that is short and to the point. It lets people do anything they want with your code as long as they provide attribution back to you and don't hold you liable. **jQuery** and **Rails** use the MIT License.
- I'm concerned about patents.** (Icon: lightbulb) The **Apache License** is a permissive license similar to the MIT License, but also provides an express grant of patent rights from contributors to users. **Apache**, **SVN**, and **NuGet** use the Apache License.
- I care about sharing improvements.** (Icon: circular arrows) The **GPL (v2 or v3)** is a copyleft license that requires anyone who distributes your code or a derivative work to make the source available under the same terms. V3 is similar to V2, but further restricts use in hardware that forbids software alterations. **Linux**, **Git**, and **WordPress** use the GPL.

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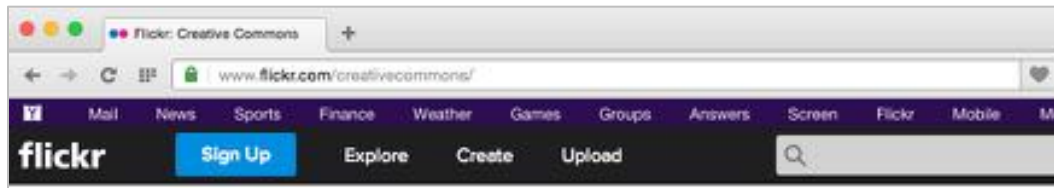
Armyvoo photographer

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Public Domain Search



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Here are some recently added bits and pieces:

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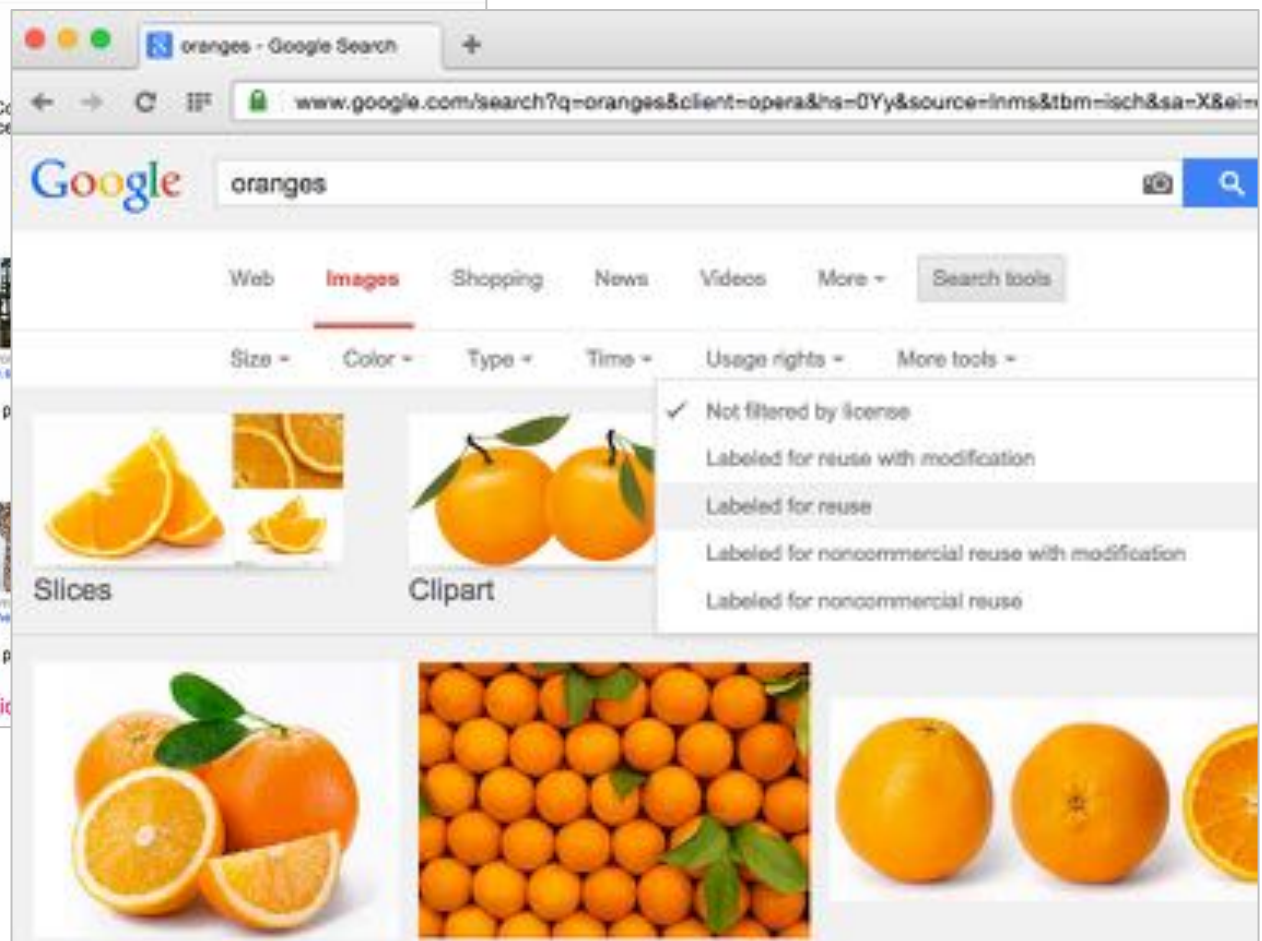
> 58,276,835 photos

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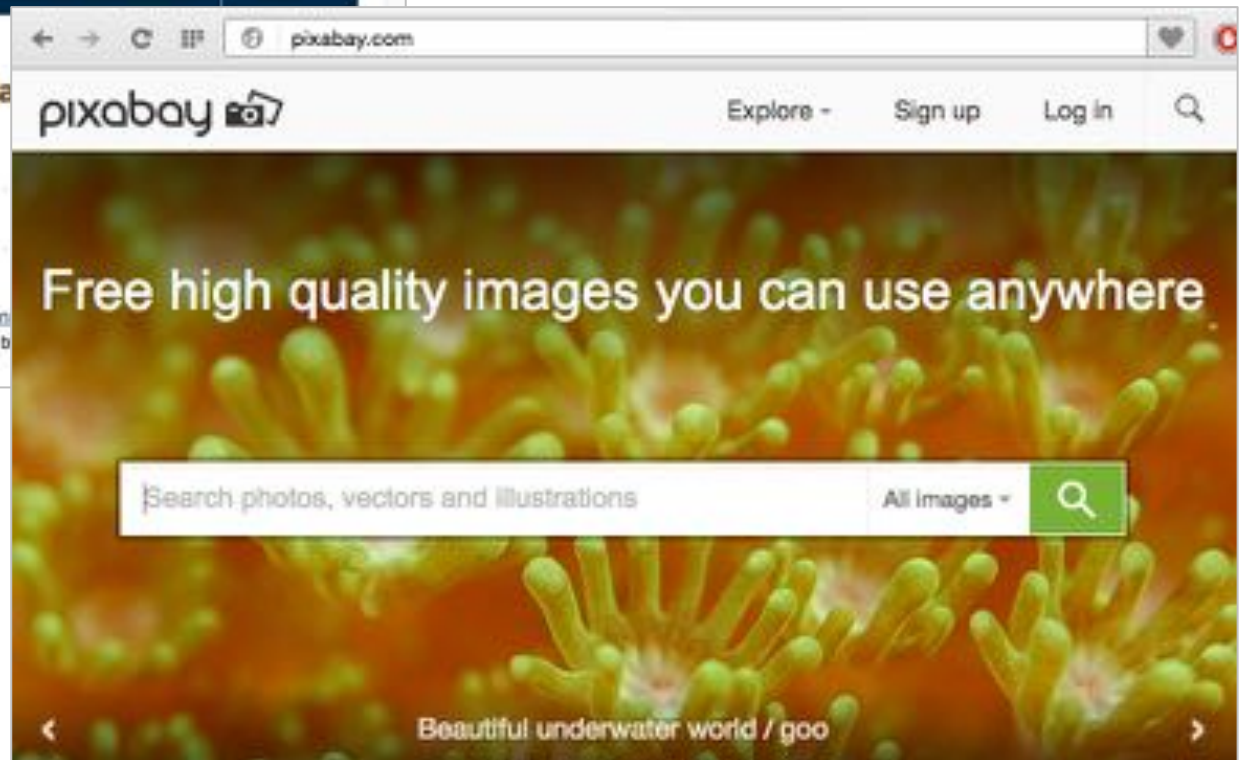
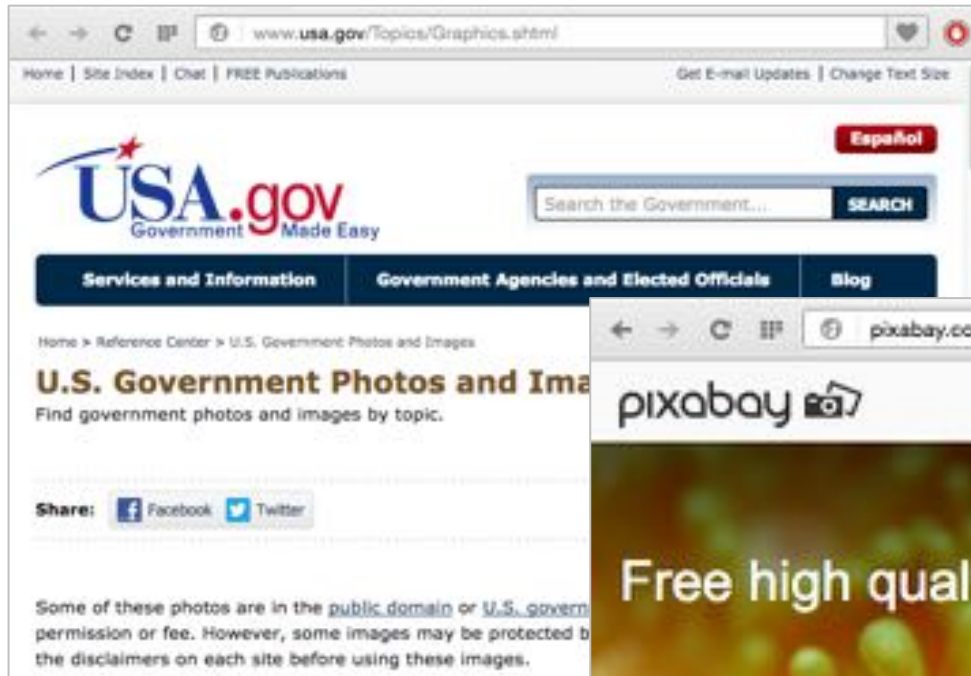


> 16,578,413 photos

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A Couple More



Public Domain Music



IMSLP

http://imslp.org/wiki/Main_Page

Samples

[http://imslp.org/wiki/Piano_Sonata_No.14,_Op.27_No.2_\(Beethoven,_Ludwig_van\)](http://imslp.org/wiki/Piano_Sonata_No.14,_Op.27_No.2_(Beethoven,_Ludwig_van))

[http://imslp.org/wiki/Children's_Corner_\(Debussy,_Claude\)](http://imslp.org/wiki/Children's_Corner_(Debussy,_Claude))

[http://imslp.org/wiki/The_Nutcracker_\(suite\),_Op.71a_\(Tchaikovsky,_Pyotr\)](http://imslp.org/wiki/The_Nutcracker_(suite),_Op.71a_(Tchaikovsky,_Pyotr))

The Free Music Archive

<http://freemusicarchive.org/>

The logo for the Free Music Archive (FMA) is displayed in large, white, bold, sans-serif capital letters against a solid orange background.

Samples

http://freemusicarchive.org/music/Evgeny_Grinko/Winter_Sunshine_EP/

<http://freemusicarchive.org/>

Sample use

<https://www.youtube.com/watch?v=KHl0mFnaPdQ&feature=youtu.be>

Public Domain Video



Vimeo & YouTube

<http://vimeo.com/creativecommons>

<https://www.youtube.com/creativecommons>

Additional Resources

- The Noun Project
 - over 500,000 artist-designed icons
 - <http://thenounproject.com/>
- Public domain images
 - <http://littlevisuals.co/>
- New Old Stock
 - <http://nos.twnsnd.co/>
- Free Pik
 - <http://www.freepik.com/>
- Google Creative Commons Search
 - http://www.google.com/advanced_image_search
- Vimeo Video School
 - <http://vimeo.com/videoschool>



Media Transfer

USB Stick



Amazon

<http://www.amazon.com/gp/product/B009D79VH4>



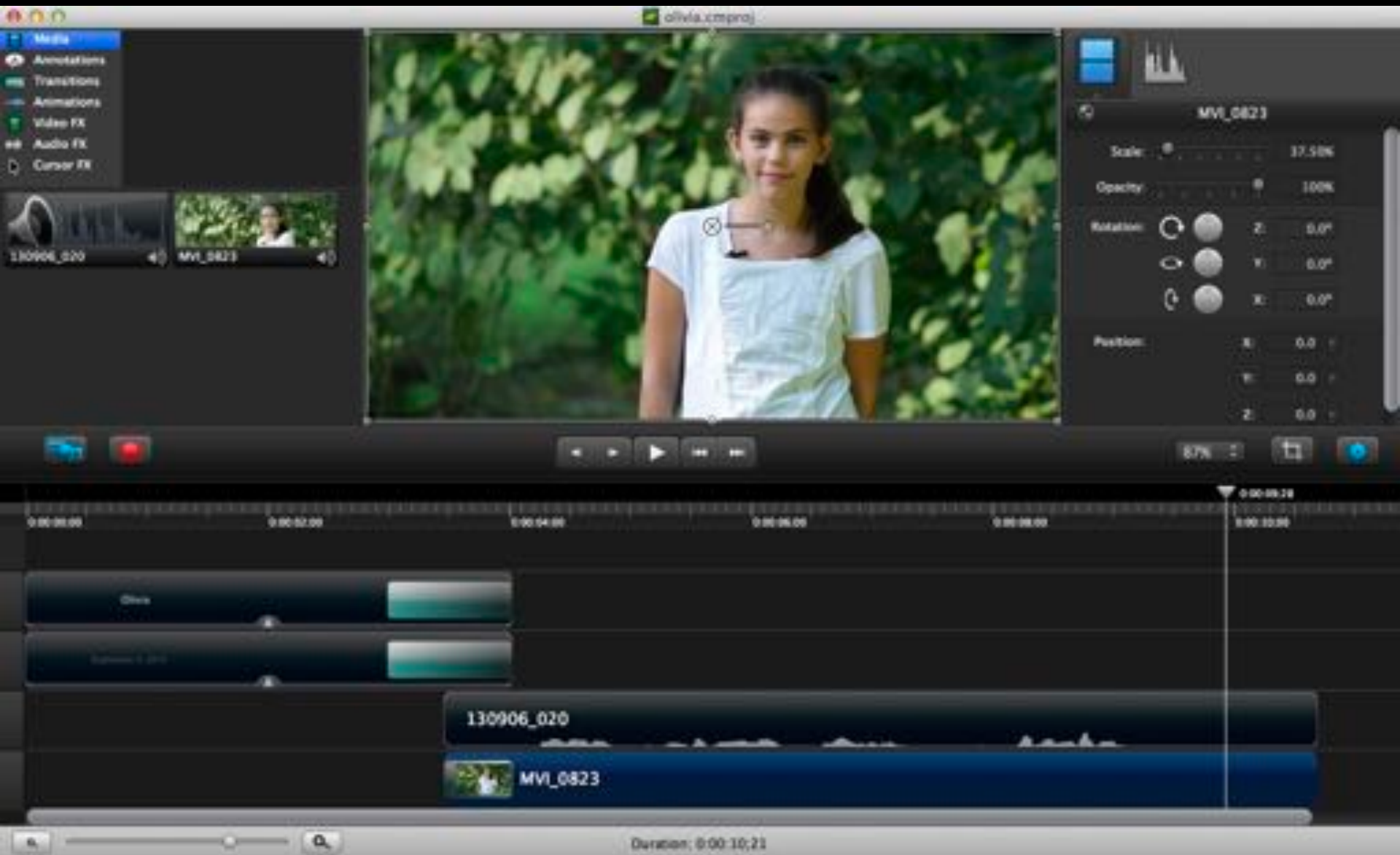
Video Editing

Image Editing

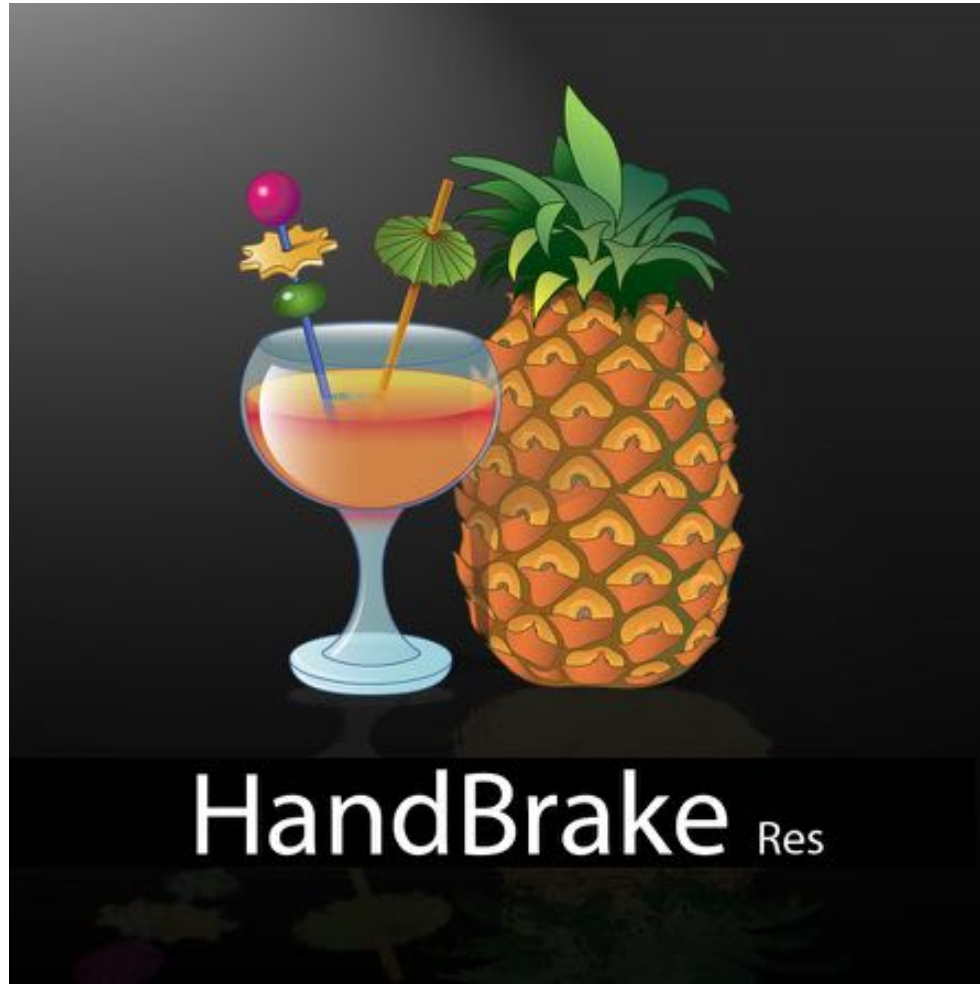
Adobe®
Photoshop®



Demo



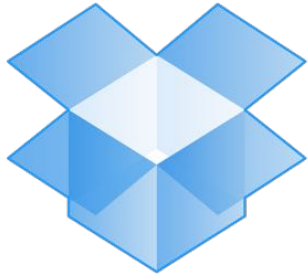




The open source video transcoder

<http://handbrake.fr/>

Video Distribution



Dropbox



Google Docs

flickr



blip.tv

Exercise

- Create a video
- Edit video with Camtasia
- Add music
- Share with the class

Vimeo Video School

- <http://vimeo.com/videoschool>

Video Training Tutorials

Learn about videography and motion graphics, including tutorials on storyboarding, color correction, lighting, and video editing in After Effects, Premiere Pro, iMovie, and Final Cut Pro.



Learn all about video, post-production, motion graphics, and visual effects

Master one of most valuable ways of communicating in the digital age: video. Check out our tutorials on a range of cameras and gear, then learn how to edit with applications like Final Cut, Premiere Pro, and finally, create stunning visual effects and motion graphics that keep your viewers engaged.



Try our Video tutorials — every online course includes free video tutorials. Become a member to keep learning, with unlimited access to every course in our library.

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THE BIG THREE

Camera



Tripod





Audio



CLOSING THOUGHTS



$$T = 2\pi\sqrt{\frac{L}{g}} \quad g = 9.80 \frac{m}{s^2} \quad L = 5.21$$

$$T_{measured} = 4.58 \pm 0.02 s$$

$$5^\circ \text{ IoT} = 45.2 \pm 0.2 \rightarrow T = 4.57 \pm 0.01 s$$

$$10^\circ \text{ IoT} = 45.8 \pm 0.2 \rightarrow T = 4.58 \pm 0.01 s$$

Passion



Share



Tell Stories





Seth Godin: The tribes we lead

http://www.ted.com/talks/seth_godin_on_the_tribes_we_lead

The background of the slide is a dark, low-key photograph of the Jefferson Memorial in Washington, D.C. The memorial's iconic white dome is visible in the upper center, and the classical columns of the portico are seen below it. The surrounding area is dark, with some trees and a path visible in the foreground and sides.

Kawasaki

10 slides

20 minutes

30 font

The background of the slide is a dark, monochromatic image of the MIT dome, which is a large, circular building with a prominent dome. The image is dimly lit, with the dome's structure and columns visible against a dark sky.

edX

6 minutes

Speak fast

No PowerPoint



Images have higher recall

Closing Thoughts

- Passion is contagious
- We are wired for stories
- Your brain's natural “save” button
- Pictures are superior.
- 10-20-30
- edX

New York Times bestselling author of *Making Toast*

Roger Rosenblatt



Unless It Moves the
Human Heart

The Craft and Art of Writing

