

```
<html> <iframe src="https://player.vimeo.com/video/361501208" width="640" height="360" frameborder="0" allow="autoplay; fullscreen" allowfullscreen></iframe> <p><a href="https://vimeo.com/361501208">YUV decomposition to detect color cards.</a> from <a href="https://vimeo.com/user103118593">Anthony Cate</a> on <a href="https://vimeo.com">Vimeo</a>.</p> </html>
```

Illustration of YUV decomposition of footage of class voting about motion they perceive in a spaghetti western video.

The original footage of the class holding up their cards has been blurred to obscure students' identities. Only the luminance (black-white) channel has been blurred, which leaves the colors from the cards with a sharp-edged appearance. The three panels at the right show the three YUV channels into which the footage can be split for further analysis.

On top of Ennio Morricone's soundtrack, you can hear me encouraging the students to vote with their cards by urging, "No wrong answers!"

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