

# Manipulating the frame object

A frame = a matrix of pixels components

Pixel components = red green blue alpha

```
Red    = frame [(row * 4 * width) + (column * 4)];  
Green  = frame [(row * 4 * width) + (column * 4) + 1];  
Blue   = frame [(row * 4 * width) + (column * 4) + 2];  
Alpha  = frame [(row * 4 * width) + (column * 4) + 3];
```

# Example - The Green Screen Effect

How to you change the background of a video dynamically?  
like in <https://dl.dropboxusercontent.com/u/26942820/CDN/CKVideo/index.html>

see <http://tech.pro/tutorial/1281/chroma-key-video-effects-using-javascript-and-the-html5-canvas-element>