

# Converting Colors

YUV(67.6560, -4.7604, 33.6277)

Have a look what the booklet for  
YUV(67.6560, -4.7604, 33.6277)  
contains.

|  |    |
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# Color

**YUV(67.6560, -4.7604,  
33.6277)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 6A323A                    |
| RGB         | 106, 50, 58               |
| RGB Percent | 42%, 20%, 23%             |
| CMY         | 0.5843, 0.8039, 0.7725    |
| CMYK        | 0.00, 0.53, 0.45, 0.58    |
| HSL         | 351°, 36%, 31%            |
| HSV         | 351°, 53%, 42%            |
| XYZ         | 7.8482, 5.6509, 4.6801    |
| YIQ         | 67.6560, 30.8080, 14.3600 |

# Conversions

## Conversions Part 2

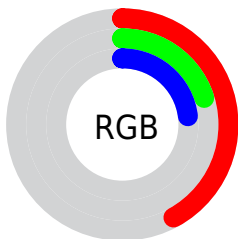
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 106, 50, 58                  |
| Decimal                             | 6959674                      |
| CIE <sub>Lab</sub>                  | 28.51, 25.86, 6.69           |
| CIE <sub>LCh</sub>                  | 29, 26.708, 14.505           |
| Yxy                                 | 5.6509, 0.4317,<br>0.3108    |
| Android<br>(android.graphics.Color) | 4285149754<br>(0xFF6A323A)   |
| YUV                                 | 67.6560, -4.7604,<br>33.6277 |
| Hunter-Lab                          | 23.7715, 17.3316,<br>4.9673  |

# Details

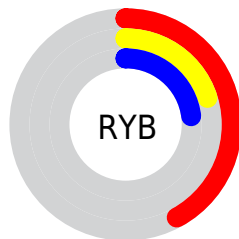
The YUV color **67.6560, -4.7604, 33.6277** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **88.3440, 4.7604, -33.6277**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.3360, -6.0816, 37.4163**, and **20.5030, -2.7130, 30.2539** is the 20% darker color. If you saturate the color by 10%, you get **60.1730, -5.5083, 40.1903**, and if you desaturate by 10%, it is **75.1390, -4.0125, 27.0651**.

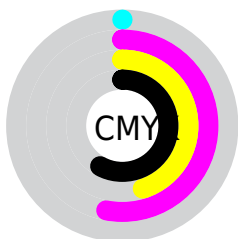
# Distribution



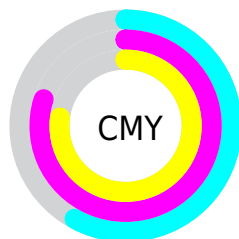
- Red (42%)
- Green (20%)
- Blue (23%)



- Red (42%)
- Yellow (20%)
- Blue (23%)



- Cyan (0%)
- Magenta (53%)
- Yellow (45%)
- Black (58%)



- Cyan (58%)
- Magenta (80%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 67.6560, -4.7604, 33.6277 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 67.6560, -4.7604, 33.6277 by changing the saturation by 10% instead.



67.6560, -4.7604,  
33.6277

67.6560, -4.7604,  
33.6277

255.0000, 0.0000,  
0.0000

43.9870, -3.4446,  
31.5834

117.3360, -6.0816,  
37.4163

20.5030, -2.7130,  
30.2539

142.9340, -6.3765,  
38.6459

9.9810, -4.4276,  
20.1877

170.4180, -7.1081,  
39.9754

0.0000, 0.0000,  
0.0000

198.0160, -7.4029,  
41.2050

220.0470, -4.4602,  
30.6538

240.2620, -0.6222,

12.9252

■ 67.6560, -4.7604,  
33.6277

■ 67.6560, -4.7604,  
33.6277

■ 60.1730, -5.5083,  
40.1903

■ 75.1390, -4.0125,  
27.0651

■ 53.2770, -6.5456,  
46.2381

■ 82.0350, -2.9753,  
21.0173

■ 45.7940, -7.2934,  
52.8007

■ 89.5180, -2.2274,  
14.4547

■ 38.8980, -8.3307,  
58.8485

■ 96.4140, -1.1901,  
8.4069

■ 33.4040, -9.0732,  
63.6667

■ 103.8970, -0.4422,  
1.8443

■ 111.4940, 0.7425,  
-4.8182

■ 118.3900, 1.7797,  
-10.8660

■ 125.8730, 2.5276,  
-17.4286

■ 132.7690, 3.5649,  
-23.4764

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8430, 5.0074, 27.3247



67.6560, -4.7604, 33.6277



66.9300, -13.7695, 29.8794

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6560, -4.7604, 33.6277



61.7090, -12.1815, -12.8998



54.4620, 25.9012, -47.7632

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.6560, -4.7604, 33.6277



88.3440, 4.7604, -33.6277

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.5560, 19.9389, -48.7226



67.6560, -4.7604, 33.6277



54.8720, 0.5561, -38.4757

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6560, -4.7604, 33.6277



64.3970, -18.9297, 4.9138



54.5640, 11.0609, -47.8526



66.1890, 20.1198, -13.3208



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6560, -4.7604, 33.6277



66.4470, -17.9684, 23.2870



54.5640, 11.0609, -47.8526



55.2940, 24.0121, -48.4928

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.6560, -4.7604, 33.6277



122.9200, -1.9326, 13.2252



70.7360, 17.3852, 23.9105



60.1150, -1.0427, 7.7921



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6560, -4.7604, 33.6277



78.3810, -7.5828, 52.2859



78.4840, -14.0426, 24.1315



49.9080, -0.4476, 3.5887



36.9210, -9.8211, 70.2293



77.2450, -20.8268, 147.1211



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67.6560, -4.7604, 33.6277



78.3810, -7.5828, 52.2859



77.5160, 14.0426, -24.1315



49.9080, -0.4476, 3.5887



36.9210, -9.8211, 70.2293

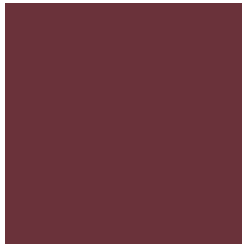


77.2450, -20.8268, 147.1211



# Previews

## White Background



This preview shows how the YUV color 67.6560, -4.7604, 33.6277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

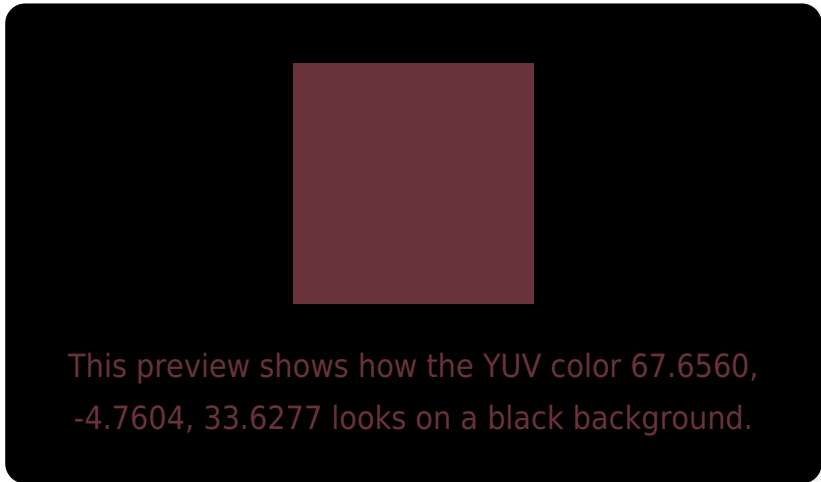
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YUV 67.6560, -4.7604, 33.6277**

## **Background**



This preview shows how black text looks on a background with the YUV color 67.6560, -4.7604, 33.6277.



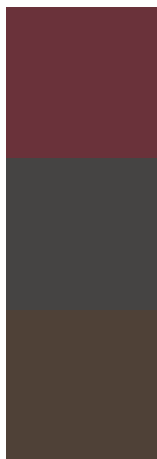
This preview shows how white text looks on a background with the YUV color 67.6560, -4.7604,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

67.6560, -4.7604, 33.6277

### Protanopia

68.1850, -0.5842, 0.7148

### Deuteranopia

68.0460, -6.4317, 9.6067



## Tritanopia

67.7870, -6.7970, 33.5128

# Trichromacy



## Original Color

67.6560, -4.7604, 33.6277

## Protanomaly

67.6210, -1.7852, 12.6104

## Deuteranomaly

68.2150, -6.0220, 18.2284

## Tritanomaly

67.9010, -6.3602, 33.4128

# Monochromacy



## Original Color

67.6560, -4.7604, 33.6277

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

67.6210, -1.7852, 12.6104

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.6560, -4.7604, 33.6277 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 50, 58)` looks like.

```
.text, #text, p{  
    color:rgb(106, 50, 58)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 50, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 50, 58) }
```

## Border

The CSS property to change the border of an element to YUV 67.6560, -4.7604, 33.6277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 50, 58) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(106, 50, 58) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(106, 50, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 50, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 50, 58);  
box-shadow:4px 4px 4px 4px rgb(106, 50,  
58) }
```

# Background

The CSS property to change the background color of an element to YUV 67.6560, -4.7604, 33.6277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 50, 58) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106, 50,  
58) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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