

# Converting Colors

YUV(34.5850, -13.5994,  
68.7700)

Have a look what the booklet for  
YUV(34.5850, -13.5994, 68.7700)  
contains.

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# Color

**YUV(34.5850, -13.5994,  
68.7700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	710007
RGB	113, 0, 7
RGB Percent	44%, 0%, 3%
CMY	0.5569, 1.0000, 0.9725
CMYK	0.00, 1.00, 0.94, 0.56
HSL	356°, 100%, 22%
HSV	356°, 100%, 44%
XYZ	6.8484, 3.5261, 0.5207
YIQ	34.5850, 65.1010, 26.1330

# Conversions

## Conversions Part 2

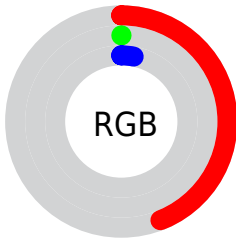
Format	Color
<a href="#">RYB</a>	<a href="#">113, 0, 7</a>
Decimal	<a href="#">7405575</a>
CIELab	<a href="#">22.04, 44.10, 30.55</a>
CIElCh	<a href="#">22, 53.649, 34.711</a>
Yxy	<a href="#">3.5261, 0.6286, 0.3236</a>
Android (android.graphics.Color)	<a href="#">4285595655 (0xFF710007)</a>
YUV	<a href="#">34.5850, -13.5994, 68.7700</a>
Hunter-Lab	<a href="#">18.7778, 32.2392, 11.5005</a>

# Details

The YUV color **34.5850, -13.5994, 68.7700** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **78.4150, 13.5994, -68.7700**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.2230, -21.3089, 68.2104**, and **17.1570, -7.9654, 34.9423** is the 20% darker color. If you saturate the color by 10%, you get **34.5850, -13.5994, 68.7700**, and if you desaturate by 10%, it is **42.2960, -11.9779, 62.0074**.

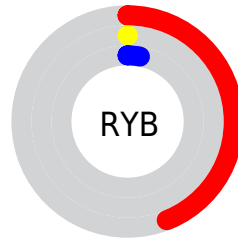
# Distribution



Red (44%)

Green (0%)

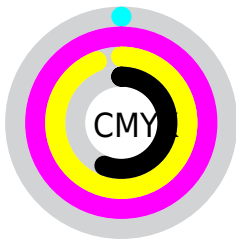
Blue (3%)



Red (44%)

Yellow (0%)

Blue (3%)

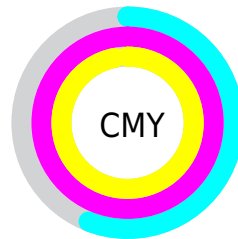


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (56%)



Cyan (56%)

Magenta (100%)


Yellow (97%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 34.5850, -13.5994, 68.7700 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 34.5850, -13.5994, 68.7700 by changing the saturation by 10% instead.





 34.5850, -13.5994,  
68.7700


 34.5850, -13.5994,  
68.7700


 252.3780,  
-10.0464, 2.2995

 25.1160, -12.3822,  
51.6413

 94.2230, -21.3089,  
68.2104


 17.1570, -7.9654,  
34.9423


 121.0770,  
-23.2090, 70.9695


 6.2790, -3.0955,  
12.9103

 148.3440,  
-24.8196, 74.2433


 0.0000, 0.0000,  
0.0000


 173.6210,  
-24.9562, 71.3694


 192.4340,  
-21.4130, 54.8704


 211.9480,


-17.7224, 37.7566


 232.1630,  
-13.8844, 20.0280


 34.5850, -13.5994,  
68.7700

 42.2960, -11.9779,  
62.0074

 50.4800, -11.0826,  
54.8300

 58.1910, -9.4612,  
48.0675

 65.7880, -8.2765,  
41.4049

 74.0860, -6.9444,  
34.1276

■ 81.7970, -5.3229,  
27.3650

■ 89.3940, -4.1382,  
20.7025

■ 97.1050, -2.5168,  
13.9399

■ 105.2890, -1.6215,  
6.7625

# Harmonies

## Analogous

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



41.0530, 3.4249, 68.3595



34.5850, -13.5994, 68.7700



48.6400, -23.9795, 38.0267

# Triad

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



34.5850, -13.5994, 68.7700



40.4520, -12.5478, -35.4764



48.7350, 42.0356, -42.7406

# Complementary

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



34.5850, -13.5994, 68.7700



78.4150, 13.5994, -68.7700

# 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.



53.1060, 35.9367, -46.5740



34.5850, -13.5994, 68.7700



46.5280, 5.6557, -40.8051

# Square

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



34.5850, -13.5994, 68.7700



40.5800, -20.0059, -23.3107



51.0880, 23.1276, -44.8042



52.3170, 32.8747, 2.3530



# Rectangle

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



34.5850, -13.5994, 68.7700



50.2910, -24.7935, 19.0388



51.0880, 23.1276, -44.8042



51.0830, 40.8781, -44.7998

# Sweetspot

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



34.5850, -13.5994, 68.7700



117.3840, -5.6123, 26.8502



44.2770, 33.8804, 53.2541



55.3010, -3.1064, 16.3990



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



34.5850, -13.5994, 68.7700



45.2780, -17.8851, 90.0872



62.5500, -30.8371, 44.2447



51.9080, -0.4476, 3.5887



36.6780, -14.6313, 73.0734



75.5630, -29.8576, 150.3502



# Inverse Universe

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



34.5850, -13.5994, 68.7700



45.2780, -17.8851, 90.0872



50.4500, 30.8372, -44.2446



51.9080, -0.4476, 3.5887



36.6780, -14.6313, 73.0734



75.5630, -29.8576, 150.3502



# Previews

## White Background



This preview shows how the YUV color 34.5850, -13.5994, 68.7700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

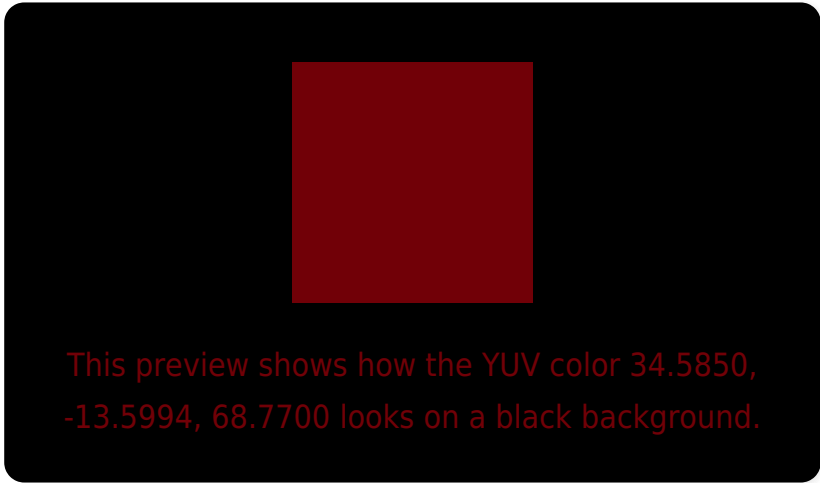
Any Text WCAG AA ✓ Pass

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

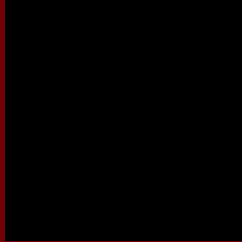
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 34.5850, -13.5994, 68.7700

## Background



This preview shows how black text looks on a background with the YUV color 34.5850, -13.5994, 68.7700.



This preview shows how white text looks on a background with the YUV color 34.5850, -13.5994,



# 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

34.5850, -13.5994, 68.7700

### Protanopia

54.5330, -18.5038, 8.3026

### Deuteranopia

53.2260, -26.2404, 16.4648



## Tritanopia

39.3580, -19.4035, 63.7070

# Trichromacy



## Original Color

34.5850, -13.5994, 68.7700

## Protanomaly

47.1320, -16.8271, 30.5792

## Deuteranomaly

46.3130, -21.3533, 35.6825

## Tritanomaly

37.3520, -16.9355, 65.4663

# Monochromacy



## Original Color

34.5850, -13.5994, 68.7700

## Achromatopsia

35.0000, 0.0000, 0.0000

## Achromatomaly

34.6010, -4.7333, 24.9059

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 34.5850, -13.5994, 68.7700 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(113, 0, 7)` looks like.

```
.text, #text, p{  
    color:rgb(113, 0, 7)  
}
```

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(113, 0, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 0, 7) }
```

## Border

The CSS property to change the border of an element to YUV 34.5850, -13.5994, 68.7700 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(113, 0, 7) }
```



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

```
.border{ border-color:rgb(113, 0, 7) }
```

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

Here you see how a box with a 4 pixel rgb(113, 0, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(113, 0, 7); box-shadow:4px  
4px 4px 4px rgb(113, 0, 7) }
```

# Background

The CSS property to change the background color of an element to YUV 34.5850, -13.5994, 68.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 0, 7) }
```

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

```
.background{ background-color: rgb(113, 0,  
7) }
```

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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