

# Converting Colors

YUV(77.0820, -34.5504,  
21.8531)

Have a look what the booklet for  
YUV(77.0820, -34.5504, 21.8531)  
contains.

<b>YUV(77.0820, -34.5504, 21.8531)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(77.0820, -34.5504,  
21.8531)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	664E07
RGB	102, 78, 7
RGB Percent	40%, 31%, 3%
CMY	0.6000, 0.6941, 0.9725
CMYK	0.00, 0.24, 0.93, 0.60
HSL	45°, 87%, 21%
HSV	45°, 93%, 40%
XYZ	8.2422, 8.2889, 1.3665
YIQ	77.0820, 37.0950, -16.9930

# Conversions

## Conversions Part 2

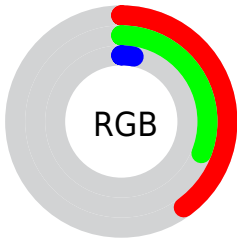
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 102, 7
Decimal	6704647
CIE Lab	34.58, 3.31, 40.72
CIE LCh	35, 40.858, 85.359
Yxy	8.2889, 0.4605, 0.4631
Android (android.graphics.Color)	4284894727 (0xFF664E07)
YUV	77.0820, -34.5504, 21.8531
Hunter-Lab	28.7904, 0.7183, 17.3392

# Details

The YUV color **77.0820, -34.5504, 21.8531** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **31.9180, 34.5504, -21.8531**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **127.8050, -34.4139, 24.7270**, and **35.2070, -17.3571, 13.8505** is the 20% darker color. If you saturate the color by 10%, you get **75.1100, -37.0292, 23.5825**, and if you desaturate by 10%, it is **79.9830, -31.0506, 19.3089**.

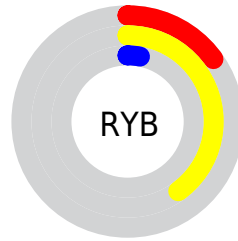
# Distribution



Red (40%)

Green (31%)

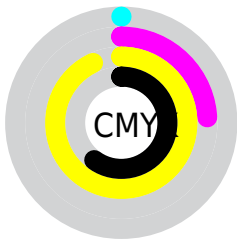
Blue (3%)



Red (15%)

Yellow (40%)

Blue (3%)

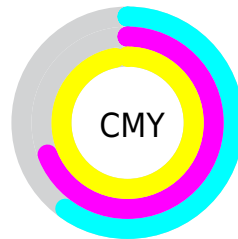


Cyan (0%)

Magenta (24%)

Yellow (93%)

Black (60%)



Cyan (60%)

Magenta (69%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 77.0820, -34.5504, 21.8531 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 77.0820, -34.5504, 21.8531 by changing the saturation by 10% instead.



77.0820, -34.5504,  
21.8531

77.0820, -34.5504,  
21.8531

253.8600, -4.3680,  
0.9998

55.0090, -27.1194,  
18.4091

127.8050,  
-34.4139, 24.7270

35.2070, -17.3571,  
13.8505

154.5880,  
-35.2929, 26.6713

15.4050, -7.5947,  
9.2918

181.0720,  
-36.0245, 28.0009

0.0000, 0.0000,  
0.0000

209.4420,  
-37.1929, 29.4304

232.5440,  
-35.2712, 19.6939

247.3620,

-29.2655, 6.6985

■ 250.5540,  
-17.0351, 3.8991

■ 77.0820, -34.5504,  
21.8531

■ 77.0820, -34.5504,  
21.8531

■ 75.1100, -37.0292,  
23.5825

■ 79.9830, -31.0506,  
19.3089

■ 82.2970, -27.2614,  
17.2795

■ 85.3120, -23.3248,  
14.6354

■ 87.6260, -19.5356,  
12.6060

■ 90.5270, -16.0358,  
10.0618

■ 92.8410, -12.2466,  
8.0324

■ 95.7420, -8.7468,  
5.4883

■ 98.7570, -4.8102,  
2.8441

■ 101.0710, -1.0210,  
0.8147

# Harmonies

## Analogous

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



78.9070, -25.5902, 41.3006



77.0820, -34.5504, 21.8531



74.5950, -29.3803, -3.1528

# Triad

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



77.0820, -34.5504, 21.8531



68.6640, 19.3926, -60.2183



83.4700, 17.5163, 28.5288

# Complementary

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



77.0820, -34.5504, 21.8531



31.9180, 34.5504, -21.8531

# 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.



81.5130, 28.8341, -8.3429



77.0820, -34.5504, 21.8531



70.4540, 31.3282, -61.7882

# Square

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



77.0820, -34.5504, 21.8531



64.9020, 4.9783, -56.9191



67.7130, 38.5955, -59.3843



80.3450, 3.7739, 49.6864



# Rectangle

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



77.0820, -34.5504, 21.8531



70.8080, -19.1323, -23.5106



67.7130, 38.5955, -59.3843



83.7290, 21.3326, 17.7777

# Sweetspot

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



77.0820, -34.5504, 21.8531



122.7980, -13.7044, 8.9472



38.2550, -3.0837, 55.9044



60.5570, -8.1626, 4.7735



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



77.0820, -34.5504, 21.8531



97.8800, -48.2548, 30.8002



84.5920, -38.2529, -4.0272



49.8430, -1.8946, 1.0147



84.8670, -41.8394, 26.4266



178.6050, -88.0523, 55.5974



# Inverse Universe

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



31.9180, 34.5504, -21.8531



34.5330, 48.5442, -30.2854



24.4080, 38.2529, 4.0272



47.1570, 1.8946, -1.0147



30.1330, 41.8394, -26.4266

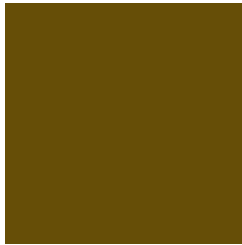


63.3950, 88.0523, -55.5974



# Previews

## White Background



This preview shows how the YUV color 77.0820, -34.5504, 21.8531 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



This preview shows how the YUV color 77.0820, -34.5504, 21.8531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

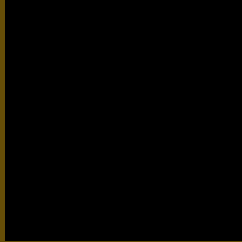
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 77.0820, -34.5504, 21.8531

## Background



This preview shows how black text looks on a background with the YUV color 77.0820, -34.5504, 21.8531.



This preview shows how white text looks on a background with the YUV color 77.0820, -34.5504,



# 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

77.0820, -34.5504, 21.8531

### Protanopia

76.6680, -33.3603, 13.4462

### Deuteranopia

76.9080, -33.9716, 22.8827



## Tritanopia

83.4370, -2.6804, 19.7878

# Trichromacy



## Original Color

77.0820, -34.5504, 21.8531

## Protanomaly

77.1630, -34.0974, 16.5200

## Deuteranomaly

76.9080, -33.9716, 22.8827

## Tritanomaly

81.3480, -14.4686, 20.7428

# Monochromacy



## Original Color

77.0820, -34.5504, 21.8531

## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

76.8410, -12.2466, 8.0324

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 77.0820, -34.5504, 21.8531 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(102, 78, 7)` looks like.

```
.text, #text, p{  
    color:rgb(102, 78, 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(102, 78, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 78, 7) }
```

## Border

The CSS property to change the border of an element to YUV 77.0820, -34.5504, 21.8531 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(102, 78, 7) }
```



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

```
.border{ border-color:rgb(102, 78, 7) }
```

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

Here you see how a box with a 4 pixel rgb(102, 78, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 78, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 78, 7);  
box-shadow:4px 4px 4px 4px rgb(102, 78, 7)  
}
```

# Background

The CSS property to change the background color of an element to YUV 77.0820, -34.5504, 21.8531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 78, 7) }
```

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

```
.background{ background-color: rgb(102, 78,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor