

# Converting Colors

YUV(77.2990, -33.6714,  
19.9088)

Have a look what the booklet for  
YUV(77.2990, -33.6714, 19.9088)  
contains.

<b>YUV(77.2990, -33.6714, 19.9088)</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(77.2990, -33.6714,  
19.9088)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	644F09
RGB	100, 79, 9
RGB Percent	39%, 31%, 4%
CMY	0.6078, 0.6902, 0.9647
CMYK	0.00, 0.21, 0.91, 0.61
HSL	46°, 83%, 21%
HSV	46°, 91%, 39%
XYZ	8.1008, 8.3210, 1.4376
YIQ	77.2990, 34.9860, -17.3180

# Conversions

## Conversions Part 2

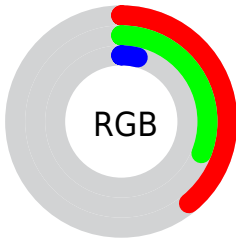
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 100, 9
Decimal	6573833
CIE Lab	34.64, 1.75, 40.04
CIE LCh	35, 40.083, 87.495
Yxy	8.3210, 0.4536, 0.4659
Android (android.graphics.Color)	4284763913 (0xFF644F09)
YUV	77.2990, -33.6714, 19.9088
Hunter-Lab	28.8462, -0.3529, 17.2375

# Details

The YUV color **77.2990, -33.6714, 19.9088** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **31.7010, 33.6714, -19.9088**, and the grayscale version is **78.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **128.0220, -33.5348, 22.7827**, and **35.1960, -17.3516, 12.1061** is the 20% darker color. If you saturate the color by 10%, you get **75.0990, -37.0238, 21.8382**, and if you desaturate by 10%, it is **79.6130, -29.8822, 17.8794**.

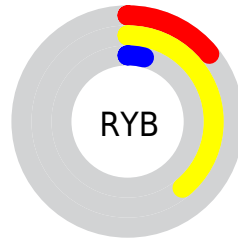
# Distribution



Red (39%)

Green (31%)

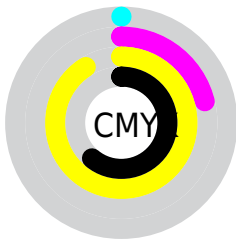
Blue (4%)



Red (14%)

Yellow (39%)

Blue (4%)

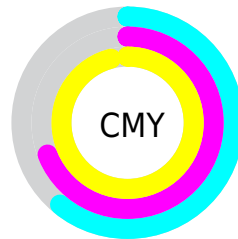


Cyan (0%)

Magenta (21%)

Yellow (91%)

Black (61%)



Cyan (61%)

Magenta (69%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 77.2990, -33.6714, 19.9088 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 77.2990, -33.6714, 19.9088 by changing the saturation by 10% instead.



■ 77.2990, -33.6714,  
19.9088

■ 77.2990, -33.6714,  
19.9088

■ 253.9740, -3.9312,  
0.8998

■ 55.2970, -27.2614,  
17.2795

■ 128.0220,  
-33.5348, 22.7827

■ 35.1960, -17.3516,  
12.1061

■ 154.3920,  
-34.7033, 24.2122

■ 15.3940, -7.5892,  
7.5475

■ 181.1750,  
-35.5823, 26.1565


■ 0.0000, 0.0000,  
0.0000


■ 209.2460,  
-36.6033, 26.9713


■ 233.2450,  
-35.1238, 19.0791


■ 247.5900,


-28.3919, 6.4986


 250.7820,  
-16.1615, 3.6992


 77.2990, -33.6714,  
19.9088


 77.2990, -33.6714,  
19.9088


 75.0990, -37.0238,  
21.8382

 79.6130, -29.8822,  
17.8794

 82.5140, -26.3824,  
15.3352

 84.8280, -22.5932,  
13.3058

 87.1420, -18.8040,  
11.2765

 90.0430, -15.3042,  
8.7323

■ 92.3570, -11.5150,  
6.7029

■ 94.6710, -7.7258,  
4.6735

■ 96.9850, -3.9366,  
2.6442

■ 99.8860, -0.4368,  
0.1000

# Harmonies

## Analogous

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



79.4830, -25.8741, 39.0414



77.2990, -33.6714, 19.9088



74.4530, -27.3383, -4.7823

# Triad

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



77.2990, -33.6714, 19.9088



68.8920, 20.2662, -60.4183



83.4270, 16.0585, 29.4435

# Complementary

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



77.2990, -33.6714, 19.9088



31.7010, 33.6714, -19.9088

# 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.



82.1930, 27.5129, -4.5543



77.2990, -33.6714, 19.9088



69.9810, 32.0544, -61.3733

# Square

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



77.2990, -33.6714, 19.9088



65.2440, 6.2887, -57.2190



67.0120, 38.4481, -58.7695



80.7040, 2.6109, 49.3716



# Rectangle

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



77.2990, -33.6714, 19.9088



70.6660, -17.0903, -25.1401



67.0120, 38.4481, -58.7695



84.3980, 20.0168, 19.8220

# Sweetspot

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



77.2990, -33.6714, 19.9088



121.3140, -12.9728, 7.6176



38.6030, -4.2413, 53.8452



60.6710, -7.7258, 4.6735



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.



77.2990, -33.6714, 19.9088



97.5700, -48.1020, 28.4411



82.4500, -36.2108, -5.6566



49.8430, -1.8946, 1.0147



86.0410, -42.4182, 25.3970



181.5400, -89.4992, 53.0234



# Inverse Universe

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



31.7010, 33.6714, -19.9088



32.4300, 48.1020, -28.4411



26.5500, 36.2109, 5.6567



47.1570, 1.8946, -1.0147



28.3720, 42.7076, -24.8822



60.4600, 89.4992, -53.0234



# Previews

## White Background



This preview shows how the YUV color 77.2990, -33.6714, 19.9088 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 77.2990, -33.6714, 19.9088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

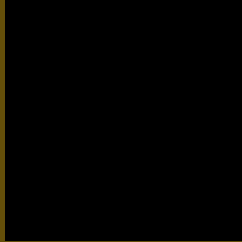
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 77.2990, -33.6714, 19.9088

## Background



This preview shows how black text looks on a background with the YUV color 77.2990, -33.6714, 19.9088.



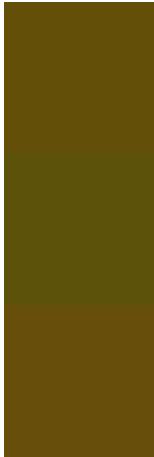
This preview shows how white text looks on a background with the YUV color 77.2990, -33.6714,



# 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

77.2990, -33.6714, 19.9088

### Protanopia

76.7820, -32.9235, 13.3462

### Deuteranopia

77.8370, -32.9506, 22.0680



## Tritanopia

82.9530, -1.9488, 18.4582

# Trichromacy



## Original Color

77.2990, -33.6714, 19.9088

## Protanomaly

77.0920, -33.0764, 15.7053

## Deuteranomaly

77.4240, -33.2400, 21.5532

## Tritanomaly

80.9780, -13.3002, 19.3133

# Monochromacy



## Original Color

77.2990, -33.6714, 19.9088

## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

77.1290, -12.3886, 6.9029

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 77.2990, -33.6714, 19.9088 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(100, 79, 9)` looks like.

```
.text, #text, p{  
    color:rgb(100, 79, 9)  
}
```

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(100, 79, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 79, 9) }
```

## Border

The CSS property to change the border of an element to YUV 77.2990, -33.6714, 19.9088 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(100, 79, 9) }
```



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

```
.border{ border-color:rgb(100, 79, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 79, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 79, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 79, 9);  
box-shadow:4px 4px 4px 4px rgb(100, 79, 9)  
}
```

# Background

The CSS property to change the background color of an element to YUV 77.2990, -33.6714, 19.9088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 79, 9) }
```

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

```
.background{ background-color: rgb(100, 79,  
9) }
```

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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