

# Converting Colors

YUV(31.1000, -11.3883,  
59.5483)

Have a look what the booklet for  
YUV(31.1000, -11.3883, 59.5483)  
contains.

<b>YUV(31.1000, -11.3883, 59.5483)</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(31.1000, -11.3883,  
59.5483)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	630108
RGB	99, 1, 8
RGB Percent	39%, 0%, 3%
CMY	0.6118, 0.9961, 0.9686
CMYK	0.00, 0.99, 0.92, 0.61
HSL	356°, 98%, 20%
HSV	356°, 99%, 39%
XYZ	5.2003, 2.6919, 0.4752
YIQ	31.1000, 56.1610, 22.9530

# Conversions

## Conversions Part 2

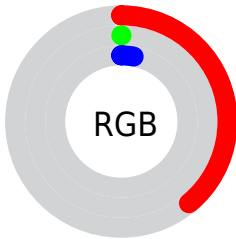
Format	Color
<a href="#">RYB</a>	<a href="#">99, 1, 8</a>
Decimal	<a href="#">6488328</a>
CIELab	<a href="#">18.77, 39.97, 25.56</a>
CIELCh	<a href="#">19, 47.439, 32.597</a>
Yxy	<a href="#">2.6919, 0.6215, 0.3217</a>
Android (android.graphics.Color)	<a href="#">4284678408</a> (0xFF630108)
YUV	<a href="#">31.1000, -11.3883, 59.5483</a>
Hunter-Lab	<a href="#">16.4070, 27.8643, 9.7675</a>

# Details

The YUV color **31.1000, -11.3883, 59.5483** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **68.9000, 11.3883, -59.5483**, and the grayscale version is **31.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.2050, -17.3561, 60.3332**, and **13.9820, -5.9071, 28.0798** is the 20% darker color. If you saturate the color by 10%, you get **30.3990, -11.5357, 60.1631**, and if you desaturate by 10%, it is **37.9960, -10.3510, 53.5005**.

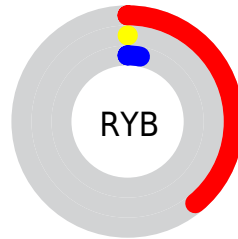
# Distribution



Red (39%)

Green (0%)

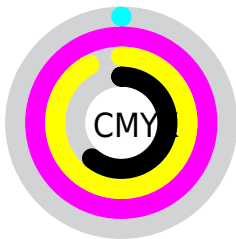
Blue (3%)



Red (39%)

Yellow (0%)

Blue (3%)

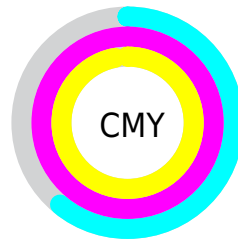


Cyan (0%)

Magenta (99%)

Yellow (92%)

Black (61%)



Cyan (61%)

Magenta (100%)


Yellow (97%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 31.1000, -11.3883, 59.5483 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 31.1000, -11.3883, 59.5483 by changing the saturation by 10% instead.





 31.1000, -11.3883,  
59.5483


 31.1000, -11.3883,  
59.5483

 249.4430, -8.5994,  
4.8735


 21.2290, -10.4659,  
43.6492


 87.2050, -17.3561,  
60.3332


 13.9820, -5.9071,  
28.0798

 114.0590,  
-19.2561, 63.0923

 0.0000, 0.0000,  
0.0000

 141.0270,  
-20.7193, 65.7513


 168.1090,  
-21.7457, 68.3104


 189.6130,  
-19.5292, 57.3444


 209.0130,


-16.2754, 40.3306


 229.2280,  
-12.4374, 22.6020


 31.1000, -11.3883,  
59.5483


 31.1000, -11.3883,  
59.5483


 30.3990, -11.5357,  
60.1631

 37.9960, -10.3510,  
53.5005

 44.8920, -9.3138,  
47.4527

 51.9020, -7.8397,  
41.3049

 58.7980, -6.8024,  
35.2572

 65.6940, -5.7651,  
29.2094

■ 72.0030, -4.4385,  
23.6764

■ 78.8990, -3.4012,  
17.6286

■ 85.9090, -1.9271,  
11.4808

■ 92.8050, -0.8899,  
5.4330

# Harmonies

## Analogous

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



35.8130, 4.0362, 58.9230



31.1000, -11.3883, 59.5483



41.8290, -20.6217, 34.3530

# Triad

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



31.1000, -11.3883, 59.5483



34.4850, -12.5641, -30.2433



42.5740, 36.1990, -37.3374

# Complementary

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



31.1000, -11.3883, 59.5483



68.9000, 11.3883, -59.5483

# 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.



45.6570, 30.2421, -40.0412



31.1000, -11.3883, 59.5483



40.1050, 3.8922, -35.1721

# Square

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



31.1000, -11.3883, 59.5483



37.0800, -18.2804, -16.7332



43.9810, 18.7434, -38.5713



44.7850, 29.6860, -1.5654



# Rectangle

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



31.1000, -11.3883, 59.5483



43.5020, -21.4465, 18.8537



43.9810, 18.7434, -38.5713



44.2210, 34.8940, -38.7818

# Sweetspot

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



31.1000, -11.3883, 59.5483



101.0030, -4.4385, 23.6764



39.0820, 29.5396, 45.5321



47.9910, -2.9536, 14.0399



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



31.1000, -11.3883, 59.5483



39.2980, -14.9369, 77.7917



54.3690, -26.3109, 39.1414



45.1960, -0.5896, 2.4591



34.4000, -13.0152, 68.0552



73.6980, -27.9521, 145.8469



# Inverse Universe

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



31.1000, -11.3883, 59.5483



39.2980, -14.9369, 77.7917



45.6310, 26.3109, -39.1414



45.1960, -0.5896, 2.4591



34.4000, -13.0152, 68.0552

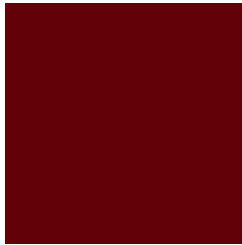


73.6980, -27.9521, 145.8469



# Previews

## White Background



This preview shows how the YUV color 31.1000, -11.3883, 59.5483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

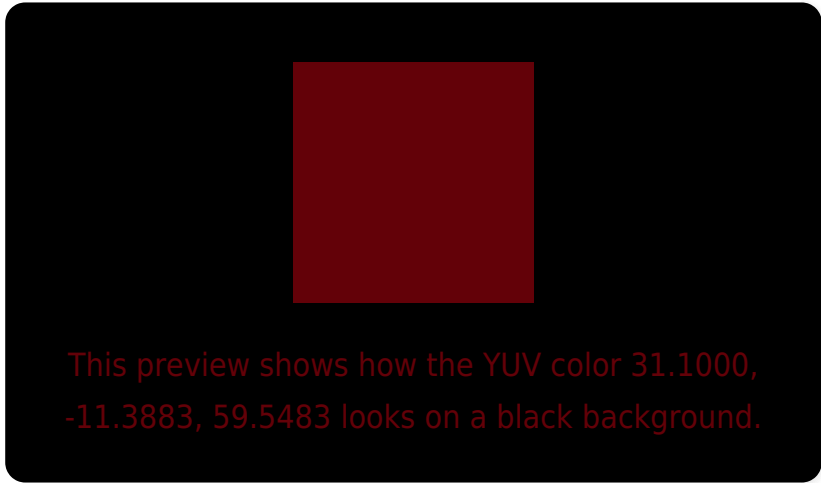
Any Text WCAG AA ✓ Pass

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

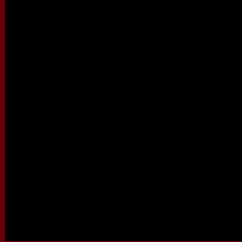
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 31.1000, -11.3883, 59.5483

## Background



This preview shows how black text looks on a background with the YUV color 31.1000, -11.3883, 59.5483.



This preview shows how white text looks on a background with the YUV color 31.1000, -11.3883,



# 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

31.1000, -11.3883, 59.5483

### Protanopia

48.0320, -15.2988, 6.9879

### Deuteranopia

46.4260, -22.8880, 14.5354



## Tritanopia

34.5850, -17.0504, 55.6150

# Trichromacy



## Original Color

31.1000, -11.3883, 59.5483

## Protanomaly

41.9080, -13.7586, 26.3907

## Deuteranomaly

40.6760, -18.5743, 30.9791

## Tritanomaly

33.1660, -14.8718, 56.8594

# Monochromacy



## Original Color

31.1000, -11.3883, 59.5483

## Achromatopsia

31.0000, 0.0000, 0.0000

## Achromatomaly

31.1060, -3.9963, 21.8320

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 31.1000, -11.3883, 59.5483 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(99, 1, 8)` looks like.

```
.text, #text, p{  
    color:rgb(99, 1, 8)  
}
```

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(99, 1, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 1, 8) }
```

## Border

The CSS property to change the border of an element to YUV 31.1000, -11.3883, 59.5483 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(99, 1, 8) }
```



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

```
.border{ border-color:rgb(99, 1, 8) }
```

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

Here you see how a box with a 4 pixel rgb(99, 1, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 1, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 1, 8); box-shadow:4px  
4px 4px 4px rgb(99, 1, 8) }
```

# Background

The CSS property to change the background color of an element to YUV 31.1000, -11.3883, 59.5483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 1, 8) }
```

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

```
.background{ background-color: rgb(99, 1,  
8) }
```

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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