

Converting Colors

YUV(31.0000, 0.0000, 0.0000)

Have a look what the booklet for
YUV(31.0000, 0.0000, 0.0000)
contains.

YUV(31.0000, 0.0000, 0.0000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	13
<i>Color Blindness Simulation</i>	17
<i>CSS Examples</i>	20

Color

**YUV(31.0000, 0.0000,
0.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	1F1F1F
RGB	31, 31, 31
RGB Percent	12%, 12%, 12%
CMY	0.8784, 0.8784, 0.8784
CMYK	0.00, 0.00, 0.00, 0.88
HSL	0°, 0%, 12%
HSV	0°, 0%, 12%
XYZ	1.3024, 1.3702, 1.4922

Conversions

Conversions Part 2

Format	Color
R_{YB}	31, 31, 31
Decimal	2039583
CIE _{Lab}	11.76, 0.00, -0.00
CIE _{LCh}	12, 0.003, 296.813
Yxy	1.3702, 0.3127, 0.3290
Android (android.graphics.Color)	4280229663 (0xFF1F1F1F)
YUV	31.0000, 0.0000, 0.0000

Details

The YUV color **31.0000, 0.0000, 0.0000** is a dark color, and the **websafe** version is hex **333333**. A complement of this color would be **31.0000, 0.0000, 0.0000**, and the grayscale version is **31.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.0000, 0.0000, 0.0000**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **28.8970, -0.4422, 1.8443**, and if you desaturate by 10%, it is **33.1030, 0.4422, -1.8443**.

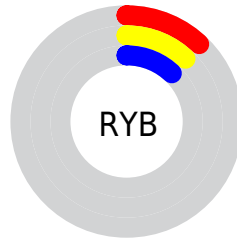
Distribution



Red (12%)

Green (12%)

Blue (12%)



Red (12%)

Yellow (12%)

Blue (12%)

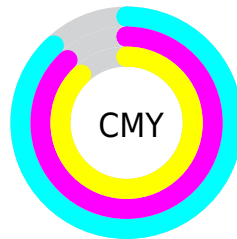


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (88%)



Cyan (88%)

Magenta (88%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YUV color 31.0000, 0.0000, 0.0000 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 31.0000, 0.0000, 0.0000 by changing the saturation by 10% instead.

■ 31.0000, 0.0000,
0.0000

■ 31.0000, 0.0000,
0.0000

■ 52.0000, 0.0000,
0.0000

■ 6.0000, 0.0000,
0.0000

■ 75.0000, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 98.0000, 0.0000,
0.0000

■ 123.0000, 0.0000,
0.0000

■ 149.0000, 0.0000,
0.0000

■ 176.0000, 0.0000,
0.0000

■ 203.0000, 0.0000,
0.0000

■ 231.0000, 0.0000,
0.0000

■ 255.0000, 0.0000,
0.0000

■ 31.0000, 0.0000,
0.0000

■ 28.8970, -0.4422,
1.8443

■ 26.7940, -0.8844,
3.6887

■ 24.6910, -1.3267,
5.5330

■ 22.5880, -1.7689,
7.3773

■ 20.4850, -2.2111,
9.2217

■ 17.6810, -2.8007,
11.6808

■ 15.5780, -3.2430,
13.5251

■ 13.4750, -3.6852,
15.3694

■ 11.3720, -4.1274,
17.2138

■ 31.0000, 0.0000,
0.0000

■ 33.1030, 0.4422,
-1.8443

■ 35.2060, 0.8844,
-3.6887

■ 37.3090, 1.3267,
-5.5330

■ 39.4120, 1.7689,
-7.3773

■ 42.2160, 2.3585,
-9.8364

■ 44.3190, 2.8007,
-11.6808

■ 46.4220, 3.2430,
-13.5251

■ 48.5250, 3.6852,
-15.3694

■ 50.6280, 4.1274,
-17.2138

Harmonies

Sweetspot

The sweet spot groups the original color and five complimentary colors.



31.0000, 0.0000, 0.0000



41.0000, 0.0000, 0.0000



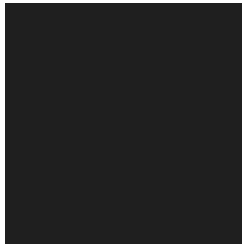
20.0000, 0.0000, 0.0000



148.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 31.0000, 0.0000, 0.0000 looks on a white background.

Color Contrast Check

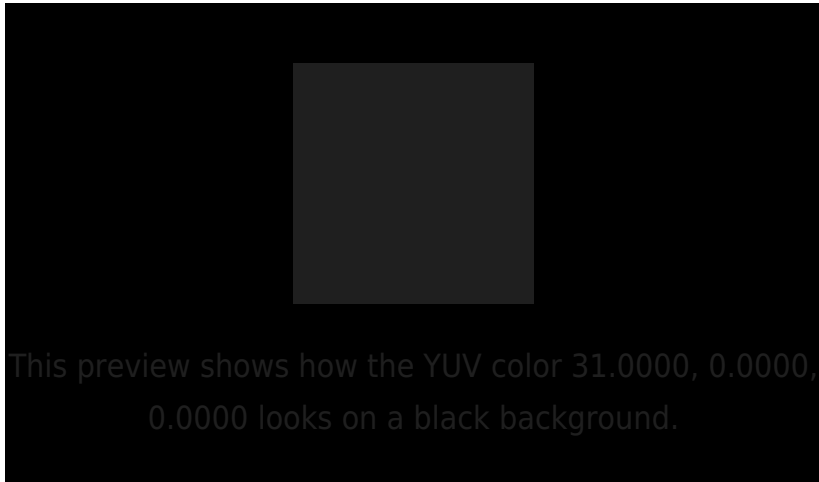
Large Text (above 18pt) WCAG AA ✓ Pass

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

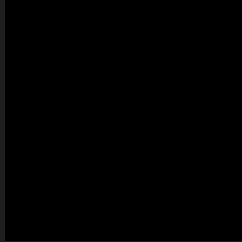
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 31.0000, 0.0000, 0.0000

Background



This preview shows how black text looks on a background with the YUV color 31.0000, 0.0000, 0.0000.



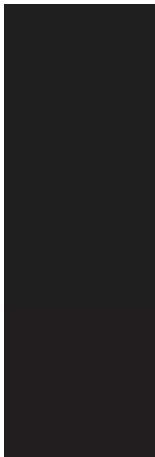
This preview shows how white text looks on a background with the YUV color 31.0000, 0.0000, 0.0000.

0.0000.

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

31.0000, 0.0000, 0.0000

Protanopia

31.2990, -0.1474, 0.6148

Deuteranopia

31.3100, -0.1528, 2.3591



Tritanopia

31.2280, 0.8736, -0.2000

Trichromacy



Original Color

31.0000, 0.0000, 0.0000

Protanomaly

31.2990, -0.1474, 0.6148

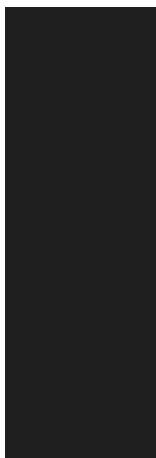
Deuteranomaly

31.0110, -0.0054, 1.7444

Tritanomaly

31.1140, 0.4368, -0.1000

Monochromacy



Original Color

31.0000, 0.0000, 0.0000

Achromatopsia

31.0000, 0.0000, 0.0000

Achromatomaly

31.0000, 0.0000, 0.0000

CSS Examples

Text

The CSS property to change the color of the text to YUV 31.0000, 0.0000, 0.0000 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(31, 31, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 31, 31)  
}
```

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(31, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 31, 31) }
```

Border

The CSS property to change the border of an element to YUV 31.0000, 0.0000, 0.0000 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(31, 31, 31) }
```

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

```
.border{ border-color:rgb(31, 31, 31) }
```

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

Here you see how a box with a 4 pixel rgb(31, 31, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 31, 31)  
}
```

Background

The CSS property to change the background color of an element to YUV 31.0000, 0.0000, 0.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 31, 31) }
```

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

```
.background{ background-color: rgb(31, 31,  
31) }
```

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? Have a look at my other booklet **HOWCOLORS.WORK – A CSS color notation guide.**



HOWCOLORS.WORK

A CSS color notation guide.

Are you new to web development and want to know the different ways to express colors in CSS? Then this booklet is for you!

HOWCOLORS.WORK will help you understand the syntax of the color notations in CSS.

You will learn all the current and new ways to express colors to prepare yourself for the future!

[Buy now, starting at \\$4.99!](#)

**Follow me
on Twitter!**

@ConvertingColor