

# Converting Colors

YUV(31.9570, -1.4578, 0.9147)

Have a look what the booklet for  
YUV(31.9570, -1.4578, 0.9147)  
contains.

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# Color

**YUV(31.9570, -1.4578,  
0.9147)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	21201D
RGB	33, 32, 29
RGB Percent	13%, 13%, 11%
CMY	0.8706, 0.8745, 0.8863
CMYK	0.00, 0.03, 0.12, 0.87
HSL	45°, 6%, 12%
HSV	45°, 12%, 13%
XYZ	1.3655, 1.4451, 1.3694
YIQ	31.9570, 1.5590, -0.7210

# Conversions

## Conversions Part 2

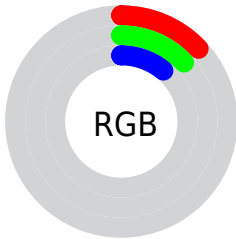
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 33, 29
Decimal	2170909
CIELab	12.25, -0.24, 2.20
CIELCh	12, 2.217, 96.141
Yxy	1.4451, 0.3267, 0.3457
Android (android.graphics.Color)	4280360989 (0xFF21201D)
YUV	31.9570, -1.4578, 0.9147
Hunter-Lab	12.0211, -0.7610, 1.6609

# Details

The YUV color **31.9570, -1.4578, 0.9147** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30.0430, 1.4578, -0.9147**, and the grayscale version is **32.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.8430, -1.8946, 1.0147**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **31.0280, -2.4788, 1.7294**, and if you desaturate by 10%, it is **32.8860, -0.4368, 0.1000**.

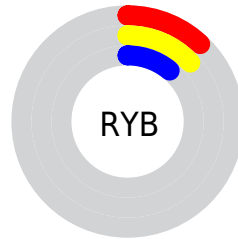
# Distribution



Red (13%)

Green (13%)

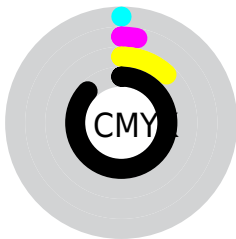
Blue (11%)



Red (12%)

Yellow (13%)

Blue (11%)

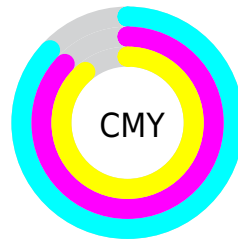


Cyan (0%)

Magenta (3%)

Yellow (12%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 31.9570, -1.4578, 0.9147 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 31.9570, -1.4578, 0.9147 by changing the saturation by 10% instead.



■ 31.9570, -1.4578,  
0.9147

■ 31.9570, -1.4578,  
0.9147

■ 255.0000, 0.0000,  
0.0000

■ 8.0280, -2.4788,  
1.7294

■ 75.8430, -1.8946,  
1.0147

■ 0.0000, 0.0000,  
0.0000

■ 99.8430, -1.8946,  
1.0147

■ 124.8430, -1.8946,  
1.0147

■ 150.2560, -1.6052,  
1.5295

■ 177.1420, -2.0420,  
1.6295

■ 204.7290, -2.3314,

1.1147

■ 232.8430, -1.8946,  
1.0147

■ 31.9570, -1.4578,  
0.9147

■ 31.9570, -1.4578,  
0.9147

■ 31.0280, -2.4788,  
1.7294

■ 32.8860, -0.4368,  
0.1000

■ 29.9850, -3.9366,  
2.6442

■ 33.9290, 1.0210,  
-0.8147

■ 29.6430, -5.2470,  
2.9441

■ 34.2710, 2.3314,  
-1.1147

■ 28.7140, -6.2680,  
3.7588

■ 35.2000, 3.3524,  
-1.9294

■ 27.6710, -7.7258,  
4.6735

■ 36.2430, 4.8102,  
-2.8441

■ 26.7420, -8.7468,  
5.4883

■ 37.1720, 5.8312,  
-3.6588

■ 25.8130, -9.7678,  
6.3030

■ 38.1010, 6.8522,  
-4.4736

■ 24.8840, -10.7888,  
7.1177

■ 39.0300, 7.8732,  
-5.2883

■ 24.5420, -12.0992,  
7.4177

■ 39.4860, 9.6204,  
-5.6882

# Harmonies

## Analogous

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



32.2560, -1.6052, 1.5295



31.9570, -1.4578, 0.9147



31.4730, -0.7262, -0.4148

# Triad

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



31.9570, -1.4578, 0.9147



31.6190, 1.1738, -3.1739



32.1250, 0.4314, 1.6444

# Complementary

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



31.9570, -1.4578, 0.9147



30.0430, 1.4578, -0.9147

# 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.



32.5270, 0.7262, 0.4148



31.9570, -1.4578, 0.9147



32.0320, 1.4632, -2.6591

# Square

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



31.9570, -1.4578, 0.9147



31.6900, 0.1528, -2.3591



32.0430, 1.4578, -0.9147



32.3100, -0.1528, 2.3591



# Rectangle

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



31.9570, -1.4578, 0.9147



31.7610, -0.8682, -1.5444



32.0430, 1.4578, -0.9147



32.2390, 0.8682, 1.5444

# Sweetspot

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



31.9570, -1.4578, 0.9147



42.8860, -0.4368, 0.1000



30.3100, -0.1528, 2.3591



22.8860, -0.4368, 0.1000



150.0000, 0.0000, 0.0000



23.0000, 0.0000, 0.0000



# Same Dimension

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



31.9570, -1.4578, 0.9147



41.7290, -2.3314, 1.1147



32.2450, -1.5998, -0.2149



14.8860, -0.4368, 0.1000



58.2540, -28.7192, 18.1942



152.8780, -75.3689, 47.4650



# Inverse Universe

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



30.0430, 1.4578, -0.9147



38.2710, 2.3314, -1.1147



29.7550, 1.5998, 0.2149



14.1140, 0.4368, -0.1000



20.7460, 28.7192, -18.1942

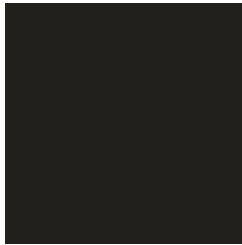


54.1220, 75.3689, -47.4650



# Previews

## White Background



This preview shows how the YUV color 31.9570, -1.4578, 0.9147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

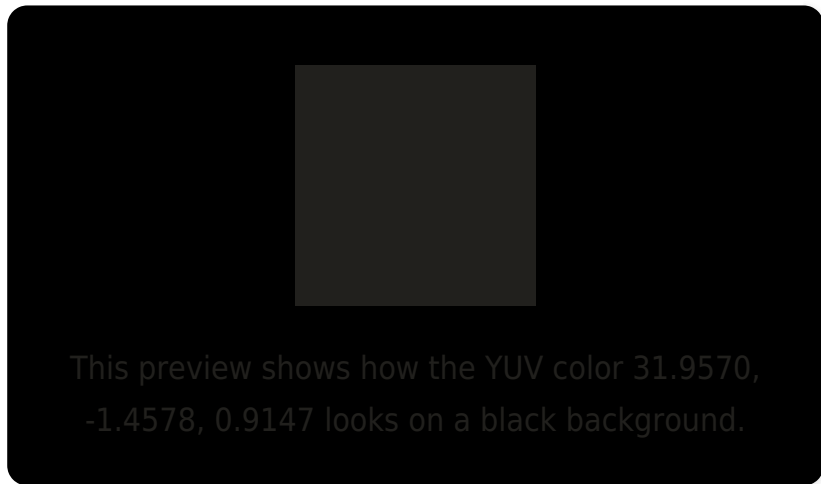
Any Text WCAG AA ✓ Pass

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

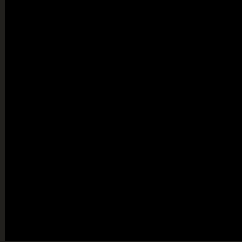
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 31.9570, -1.4578, 0.9147**

## **Background**



This preview shows how black text looks on a background with the YUV color 31.9570, -1.4578, 0.9147.



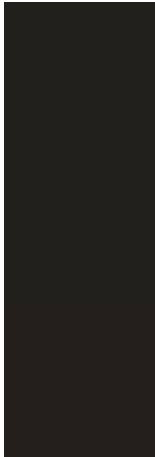
This preview shows how white text looks on a background with the YUV color 31.9570, -1.4578,

0.9147.

# 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

31.9570, -1.4578, 0.9147

### Protanopia

31.9570, -1.4578, 0.9147

### Deuteranopia

32.2670, -1.6106, 3.2738



**Tritanopia**

32.2390, 0.8682, 1.5444

# Trichromacy



## Original Color

31.9570, -1.4578, 0.9147

## Protanomaly

31.9570, -1.4578, 0.9147

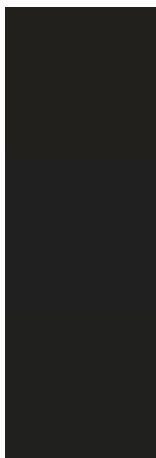
## Deuteranomaly

31.9680, -1.4632, 2.6591

## Tritanomaly

32.0110, -0.0054, 1.7444

# Monochromacy



## Original Color

31.9570, -1.4578, 0.9147

## Achromatopsia

32.0000, 0.0000, 0.0000

## Achromatomaly

31.8860, -0.4368, 0.1000

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 31.9570, -1.4578, 0.9147 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(33, 32, 29)` looks like.

```
.text, #text, p{  
    color:rgb(33, 32, 29)  
}
```

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(33, 32, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 32, 29) }
```

## Border

The CSS property to change the border of an element to YUV 31.9570, -1.4578, 0.9147 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(33, 32, 29) }
```



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

```
.border{ border-color:rgb(33, 32, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 32, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 32, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 32, 29);  
box-shadow:4px 4px 4px 4px rgb(33, 32, 29)  
}
```

# Background

The CSS property to change the background color of an element to YUV 31.9570, -1.4578, 0.9147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 32, 29) }
```

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

```
.background{ background-color: rgb(33, 32,  
29) }
```

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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