

# Converting Colors

YUV(31.0590, 0.4639, -8.8217)

Have a look what the booklet for  
YUV(31.0590, 0.4639, -8.8217)  
contains.

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# Color

**YUV(31.0590, 0.4639,  
-8.8217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	152420
RGB	21, 36, 32
RGB Percent	8%, 14%, 13%
CMY	0.9176, 0.8588, 0.8745
CMYK	0.42, 0.00, 0.11, 0.86
HSL	164°, 26%, 11%
HSV	164°, 42%, 14%
XYZ	1.2008, 1.5255, 1.5977
YIQ	31.0590, -7.6560, -4.4240

# Conversions

## Conversions Part 2

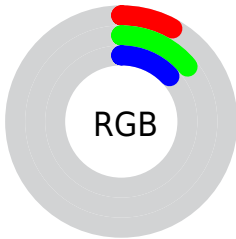
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 30, 36
Decimal	1385504
CIE Lab	12.77, -7.55, 0.64
CIE LCh	13, 7.578, 175.167
Yxy	1.5255, 0.2777, 0.3528
Android (android.graphics.Color)	4279575584 (0xFF152420)
YUV	31.0590, 0.4639, -8.8217
Hunter-Lab	12.3510, -4.2592, 0.9763

# Details

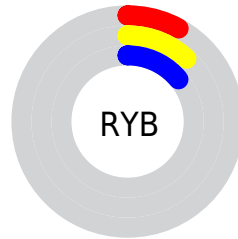
The YUV color **31.0590, 0.4639, -8.8217** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **25.9410, -0.4639, 8.8217**, and the grayscale version is **31.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.3470, 0.3219, -9.9513**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **29.7490, 0.6167, -11.1809**, and if you desaturate by 10%, it is **32.3690, 0.3111, -6.4626**.

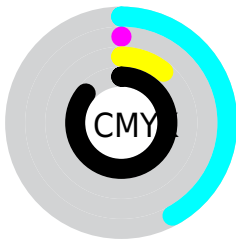
# Distribution



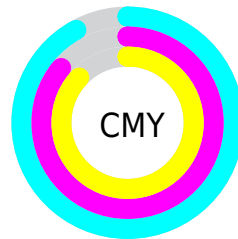
- Red (8%)
- Green (14%)
- Blue (13%)



- Red (8%)
- Yellow (12%)
- Blue (14%)



- Cyan (42%)
- Magenta (0%)
- Yellow (11%)
- Black (86%)



- Cyan (92%)
- Magenta (86%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 31.0590, 0.4639, -8.8217 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 31.0590, 0.4639, -8.8217 by changing the saturation by 10% instead.



■ 31.0590, 0.4639,  
-8.8217

■ 31.0590, 0.4639,  
-8.8217

■ 252.9070, 1.0318,  
-4.3034

■ 9.7170, -0.8465,  
-8.5218

■ 75.3470, 0.3219,  
-9.9513

■ 0.0000, 0.0000,  
0.0000

■ 99.3470, 0.3219,  
-9.9513

■ 124.0480, 0.4693,  
-10.5661

■ 149.9340, 0.0325,  
-10.4661

■ 176.6350, 0.1799,  
-11.0809

■ 203.7490, 0.6167,

-11.1809

■ 232.3360, 0.3274,  
-11.6957

■ 31.0590, 0.4639,  
-8.8217

■ 31.0590, 0.4639,  
-8.8217

■ 29.7490, 0.6167,  
-11.1809

■ 32.3690, 0.3111,  
-6.4626

■ 28.7380, 0.6222,  
-12.9252

■ 33.3800, 0.3057,  
-4.7183

■ 27.4280, 0.7750,  
-15.2844

■ 34.6900, 0.1528,  
-2.3591

■ 26.4170, 0.7804,  
-17.0287

■ 35.7010, 0.1474,  
-0.6148

■ 25.1070, 0.9332,  
-19.3878

■ 37.0110, -0.0054,  
1.7444

■ 24.0960, 0.9387,  
-21.1322

■ 38.3210, -0.1583,  
4.1035

■ 39.3320, -0.1637,  
5.8478

■ 40.6420, -0.3165,  
8.2070

■ 41.6530, -0.3219,  
9.9513

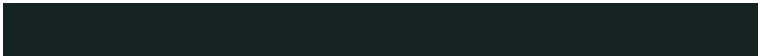
# Harmonies

## Analogous

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



31.3970, -2.1677, -4.7332



31.0590, 0.4639, -8.8217



30.7320, 3.0901, -11.1660

# Triad

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



31.0590, 0.4639, -8.8217



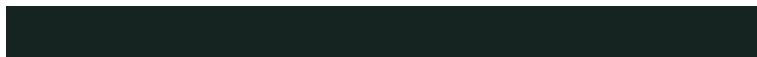
33.5530, 4.6574, -0.4850



33.6050, -4.2423, 7.3624

# Complementary

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



31.0590, 0.4639, -8.8217



25.9410, -0.4639, 8.8217

# 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.



34.0720, -2.5005, 8.7069



31.0590, 0.4639, -8.8217



33.7170, 2.6045, 4.6332

# Square

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



31.0590, 0.4639, -8.8217



32.6340, 5.1104, -5.8180



33.7560, 0.1203, 8.1070



32.7680, -4.8156, 4.5885



# Rectangle

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



31.0590, 0.4639, -8.8217



31.3730, 4.2531, -10.8511



33.7560, 0.1203, 8.1070



33.4310, -3.6635, 8.3920

# Sweetspot

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



31.0590, 0.4639, -8.8217



43.9780, 0.0108, -3.4887



31.0010, -4.9305, -5.2629



21.6900, 0.1528, -2.3591



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.



31.0590, 0.4639, -8.8217



38.4390, 0.7696, -13.5400



29.7540, 3.0793, -7.6773



17.2880, -0.1420, -1.1296



54.9740, 2.4778, -48.2122



140.1250, 6.3474, -122.8896



# Inverse Universe

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



25.9410, -0.4639, 8.8217



30.5610, -0.7696, 13.5400



27.8330, -3.3687, 7.1625



16.7120, 0.1420, 1.1296



27.0260, -2.4778, 48.2122

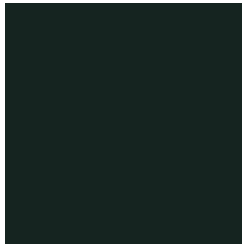


68.8750, -6.3474, 122.8896



# Previews

## White Background



This preview shows how the YUV color 31.0590, 0.4639, -8.8217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

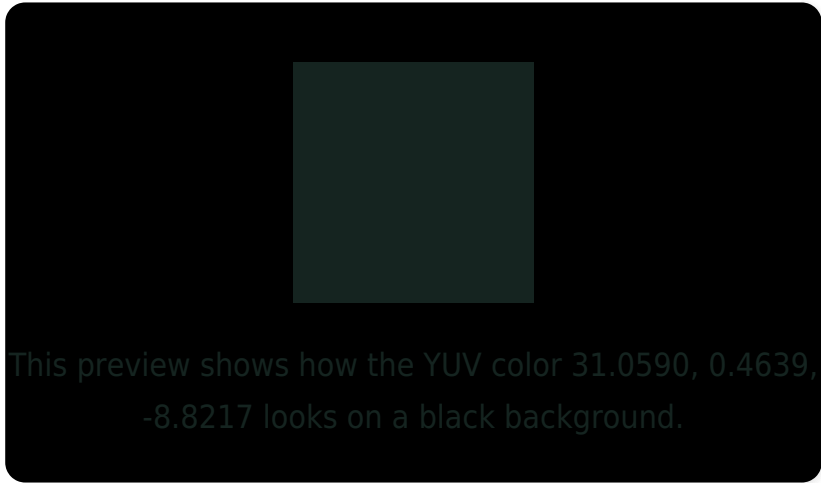
Any Text WCAG AA ✓ Pass

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

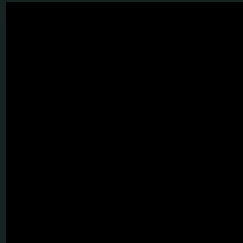
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 31.0590, 0.4639, -8.8217**

## **Background**



This preview shows how black text looks on a background with the YUV color 31.0590, 0.4639, -8.8217.



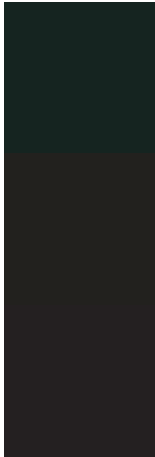
This preview shows how white text looks on a background with the YUV color 31.0590, 0.4639,

-8.8217.

# 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

31.0590, 0.4639, -8.8217

### Protanopia

32.9570, -1.4578, 0.9147

### Deuteranopia

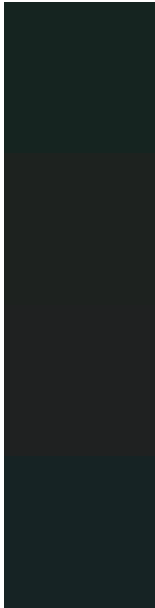
33.3100, -0.1528, 2.3591



**Tritanopia**

31.7540, 3.0793, -7.6773

# Trichromacy



## Original Color

31.0590, 0.4639, -8.8217

## Protanomaly

32.1630, -0.5734, -2.7740

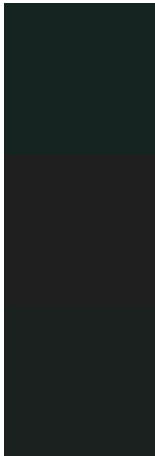
## Deuteranomaly

32.4020, 0.2948, -1.2296

## Tritanomaly

31.2270, 2.3531, -8.0921

# Monochromacy



## Original Color

31.0590, 0.4639, -8.8217

## Achromatopsia

31.0000, 0.0000, 0.0000

## Achromatomaly

30.9780, 0.0108, -3.4887

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 31.0590, 0.4639, -8.8217 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(21, 36, 32)` looks like.

```
.text, #text, p{  
    color:rgb(21, 36, 32)  
}
```

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(21, 36, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 36, 32) }
```

## Border

The CSS property to change the border of an element to YUV 31.0590, 0.4639, -8.8217 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(21, 36, 32) }
```



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

```
.border{ border-color:rgb(21, 36, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 36, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 36, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 36, 32);  
box-shadow:4px 4px 4px 4px rgb(21, 36, 32)  
}
```

# Background

The CSS property to change the background color of an element to YUV 31.0590, 0.4639, -8.8217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 36, 32) }
```

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

```
.background{ background-color: rgb(21, 36,  
32) }
```

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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