

# Converting Colors

YUV(67.8780, 38.5141,  
-33.2190)

Have a look what the booklet for  
YUV(67.8780, 38.5141, -33.2190)  
contains.

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# Color

**YUV(67.8780, 38.5141,  
-33.2190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1E4892
RGB	30, 72, 146
RGB Percent	12%, 28%, 57%
CMY	0.8824, 0.7176, 0.4275
CMYK	0.79, 0.51, 0.00, 0.43
HSL	218°, 66%, 35%
HSV	218°, 79%, 57%
XYZ	8.0411, 6.9861, 28.1188
YIQ	67.8780, -48.7860, 14.1100

# Conversions

## Conversions Part 2

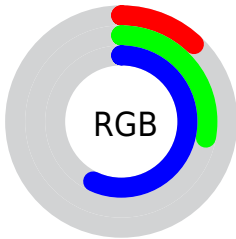
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 61, 146
Decimal	1984658
CIE <sub>Lab</sub>	31.78, 13.57, -44.99
CIE <sub>LCh</sub>	32, 46.993, 286.784
Yxy	6.9861, 0.1864, 0.1619
Android (android.graphics.Color)	4280174738 (0xFF1E4892)
YUV	67.8780, 38.5141, -33.2190
Hunter-Lab	26.4312, 8.0501, -44.5737

# Details

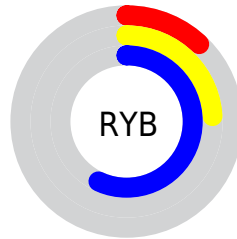
The YUV color **67.8780, 38.5141, -33.2190** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **108.1220, -38.5141, 33.2190**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.1610, 39.3606, -24.6972**, and **28.4400, 32.8141, -24.9419** is the 20% darker color. If you saturate the color by 10%, you get **58.1100, 43.3298, -37.8075**, and if you desaturate by 10%, it is **77.6460, 33.6985, -28.6305**.

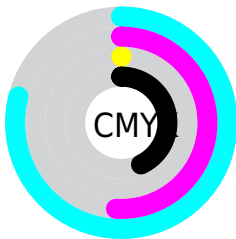
# Distribution



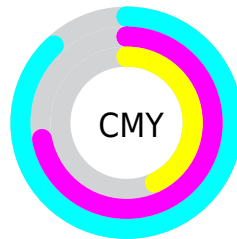
- Red (12%)
- Green (28%)
- Blue (57%)



- Red (12%)
- Yellow (24%)
- Blue (57%)



- Cyan (79%)
- Magenta (51%)
- Yellow (0%)
- Black (43%)



- Cyan (88%)
- Magenta (72%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 67.8780, 38.5141, -33.2190 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 67.8780, 38.5141, -33.2190 by changing the saturation by 10% instead.



■ 67.8780, 38.5141,  
-33.2190

■ 67.8780, 38.5141,  
-33.2190

■ 255.0000, 0.0000,  
0.0000

■ 43.0300, 37.9462,  
-37.7373

■ 121.1610, 39.3606,  
-24.6972

■ 28.4400, 32.8141,  
-24.9419

■ 147.4000, 40.2288,  
-23.1528

■ 10.4420, 29.8551,  
-9.1576

■ 174.8840, 39.4972,  
-21.8233

■ 7.7060, 19.3719,  
-6.7582

■ 199.1050, 27.5562,  
-18.5091

■ 3.5510, 11.0674,  
-3.1142

■ 224.2120, 15.1785,  
-15.0949

■ 0.0000, 0.0000,  
0.0000

■ 249.6180, 2.6533,

-11.0660

■ 67.8780, 38.5141,  
-33.2190

■ 67.8780, 38.5141,  
-33.2190

■ 58.1100, 43.3298,  
-37.8075

■ 77.6460, 33.6985,  
-28.6305

■ 48.0540, 48.2874,  
-41.2664

■ 87.7020, 28.7409,  
-25.1717

■ 47.7550, 48.4348,  
-41.8811

■ 97.4700, 23.9253,  
-20.5832

■ 106.9390, 19.2571,  
-16.6095

■ 117.2940, 14.1521,  
-12.5358

■ 127.0620, 9.3364,  
-7.9474

■ 136.5310, 4.6682,  
-3.9737

■ 146.8860, -0.4368,  
0.1000

■ 156.3550, -5.1050,  
4.0737

# Harmonies

## Analogous

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



66.0660, 39.9005, -57.9399



67.8780, 38.5141, -33.2190



76.5600, 24.3739, 22.3109

# Triad

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



67.8780, 38.5141, -33.2190



70.0160, -24.1649, 50.8520



59.3280, -1.1477, -52.0307

# Complementary

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



67.8780, 38.5141, -33.2190



108.1220, -38.5141, 33.2190

# 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.



59.9980, -20.7050, -32.4472



67.8780, 38.5141, -33.2190



70.7240, -34.8669, 30.0601

# Square

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



67.8780, 38.5141, -33.2190



68.4900, -6.1576, 61.8373



67.9010, -33.4752, 3.5948



64.2470, 15.1612, -56.3446



# Rectangle

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



67.8780, 38.5141, -33.2190



73.9990, 15.2835, 44.7279



67.9010, -33.4752, 3.5948



57.2590, -6.5367, -50.2161

# Sweetspot

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



67.8780, 38.5141, -33.2190



158.2230, 15.1731, -13.3506



106.4140, -1.6831, -67.0151



75.9480, 8.8996, -7.8474



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



67.8780, 38.5141, -33.2190



67.6750, 59.8132, -51.4580



47.7090, 48.4575, -2.3758



68.9720, 2.4788, -1.7294



45.0820, 45.8086, -39.5369



3.4880, 3.2104, -3.0590



# Inverse Universe

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



69.4720, 1.2463, 67.1151



70.2300, 1.8586, 104.1613



128.2910, -48.4575, 2.3758



69.3210, -0.1583, 4.1035



46.9620, 1.4977, 79.8403



3.4460, 0.2731, 5.7479



# Previews

## White Background



This preview shows how the YUV color 67.8780, 38.5141, -33.2190 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 67.8780, 38.5141, -33.2190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

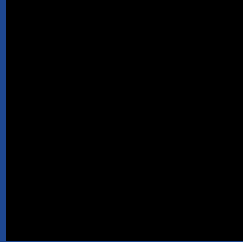
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 67.8780, 38.5141, -33.2190

## Background



This preview shows how black text looks on a background with the YUV color 67.8780, 38.5141, -33.2190.



This preview shows how white text looks on a background with the YUV color 67.8780, 38.5141,



# 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

67.8780, 38.5141, -33.2190

### Protanopia

67.5790, 38.6616, -33.8338

### Deuteranopia

59.7740, 36.1004, -52.4218



## Tritanopia

58.8670, 14.8556, -51.6264

# Trichromacy



## Original Color

67.8780, 38.5141, -33.2190

## Protanomaly

67.5790, 38.6616, -33.8338

## Deuteranomaly

63.0460, 36.9523, -45.6443

## Tritanomaly

62.2020, 23.5644, -44.9042

# Monochromacy



## Original Color

67.8780, 38.5141, -33.2190

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

67.5930, 14.0047, -11.9211

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.8780, 38.5141, -33.2190 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(30, 72, 146)` looks like.

```
.text, #text, p{  
    color:rgb(30, 72, 146)  
}
```

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(30, 72, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 72, 146) }
```

## Border

The CSS property to change the border of an element to YUV 67.8780, 38.5141, -33.2190 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(30, 72, 146) }
```



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

```
.border{ border-color:rgb(30, 72, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 72, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 72, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 72, 146);  
box-shadow:4px 4px 4px 4px rgb(30, 72,  
146) }
```

# Background

The CSS property to change the background color of an element to YUV 67.8780, 38.5141, -33.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 72, 146) }
```

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

```
.background{ background-color: rgb(30, 72,  
146) }
```

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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