

# Converting Colors

YUV(128.3160, 37.3122,  
-67.8061)

Have a look what the booklet for  
YUV(128.3160, 37.3122, -67.8061)  
contains.

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# Color

**YUV(128.3160, 37.3122,  
-67.8061)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3399CC
RGB	51, 153, 204
RGB Percent	20%, 60%, 80%
CMY	0.8000, 0.4000, 0.2000
CMYK	0.75, 0.25, 0.00, 0.20
HSL	200°, 60%, 50%
HSV	200°, 75%, 80%
XYZ	23.6556, 27.8459, 61.2548
YIQ	128.3160, -77.1630, -5.7630

# Conversions

## Conversions Part 2

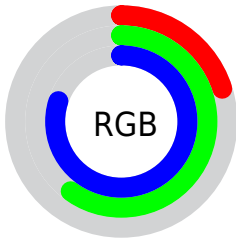
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 112, 204
Decimal	3381708
CIE <sub>Lab</sub>	59.75, -12.00, -34.50
CIE <sub>LCh</sub>	60, 36.527, 250.829
Yxy	27.8459, 0.2098, 0.2470
Android (android.graphics.Color)	4281571788 (0xFF3399CC)
YUV	128.3160, 37.3122, -67.8061
Hunter-Lab	52.7692, -12.3276, -31.8857

# Details

The YUV color **128.3160, 37.3122, -67.8061** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **126.6840, -37.3122, 67.8061**, and the grayscale version is **128.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **185.8610, 34.0855, -59.5141**, and **76.9740, 36.0018, -67.5062** is the 20% darker color. If you saturate the color by 10%, you get **118.2270, 42.2861, -76.4981**, and if you desaturate by 10%, it is **138.4050, 32.3383, -59.1142**.

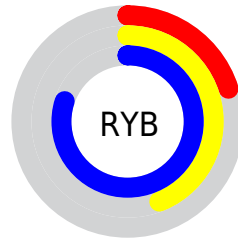
# Distribution



Red (20%)

Green (60%)

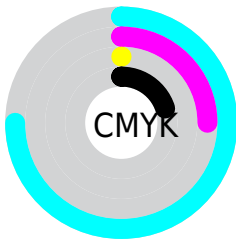
Blue (80%)



Red (20%)

Yellow (44%)

Blue (80%)

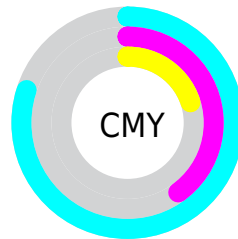


Cyan (75%)

Magenta (25%)

Yellow (0%)

Black (20%)



Cyan (80%)

Magenta (40%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 128.3160, 37.3122, -67.8061 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 128.3160, 37.3122, -67.8061 by changing the saturation by 10% instead.



■ 128.3160, 37.3122,  
-67.8061

■ 128.3160, 37.3122,  
-67.8061

■ 255.0000, 0.0000,  
0.0000

■ 94.6130, 40.1238,  
-82.9756

■ 185.8610, 34.0855,  
-59.5141

■ 76.9740, 36.0018,  
-67.5062

■ 211.2670, 21.5604,  
-55.4852

■ 59.9220, 31.5905,  
-52.5516

■ 231.9770, 11.3503,  
-47.3378

■ 43.4570, 26.8897,  
-38.1118

■ 240.9470, 6.9281,  
-28.8945

■ 28.3940, 22.4838,  
-24.9015

■ 250.2160, 2.3585,  
-9.8364

■ 8.1620, 21.1191,  
-7.1581

■ 4.4800, 12.0884,

-3.9290

■ 0.0000, 0.0000,  
0.0000

■ 128.3160, 37.3122,  
-67.8061

■ 128.3160, 37.3122,  
-67.8061

■ 118.2270, 42.2861,  
-76.4981

■ 138.4050, 32.3383,  
-59.1142

■ 107.8390, 47.4074,  
-85.8048

■ 148.7930, 27.2171,  
-49.8075

■ 103.0880, 49.7496,  
-90.4082

■ 158.2950, 22.5326,  
-40.6007

■ 168.6830, 17.4113,  
-31.2940

■ 178.7720, 12.4374,  
-22.6020

■ 188.8610, 7.4635,  
-13.9101

■ 199.2490, 2.3422,  
-4.6034

■ 208.7510, -2.3422,  
4.6034

■ 219.1390, -7.4635,  
13.9101

# Harmonies

## Analogous

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



114.4230, 34.7945, -100.3490



128.3160, 37.3122, -67.8061



141.9240, 32.0825, -23.6123

# Triad

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



128.3160, 37.3122, -67.8061



146.0220, -6.4198, 52.6007



136.3960, -20.9012, -16.1333

# Complementary

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



128.3160, 37.3122, -67.8061



126.6840, -37.3122, 67.8061

# 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.



140.5690, -29.8605, 10.9020



128.3160, 37.3122, -67.8061



144.6290, -20.5231, 49.4374

# Square

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



128.3160, 37.3122, -67.8061



147.6580, 9.0426, 39.7649



143.1250, -29.6416, 34.0934



129.9650, -3.9267, -47.3273



# Rectangle

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



128.3160, 37.3122, -67.8061



146.1830, 26.0388, 1.5935



143.1250, -29.6416, 34.0934



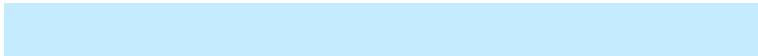
138.0120, -25.1489, -7.0265

# Sweetspot

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



128.3160, 37.3122, -67.8061



225.6190, 14.4848, -25.9759



146.6250, -22.0001, -83.8631



110.1920, 8.7793, -15.9544



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



128.3160, 37.3122, -67.8061



141.0310, 56.1867, -101.7592



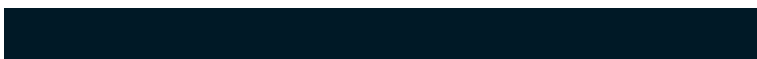
83.7040, 59.3059, -28.6814



97.2490, 2.3422, -4.6034



83.4940, 40.6755, -73.2242



19.0070, 9.3635, -16.6691



# Inverse Universe

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



108.3750, 22.0001, 83.8631



111.2120, 32.9265, 126.1021



171.8830, -59.5953, 28.1666



95.7880, 1.5835, 5.4479



62.1740, 23.5782, 91.0554



14.2120, 5.3185, 20.8621



# Previews

## White Background



This preview shows how the YUV color 128.3160, 37.3122, -67.8061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 128.3160, 37.3122, -67.8061 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

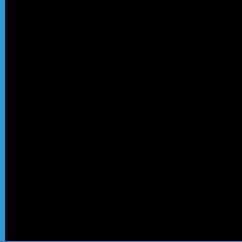
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 128.3160, 37.3122, -67.8061 Background



This preview shows how black text looks on a background with the YUV color 128.3160, 37.3122, -67.8061.



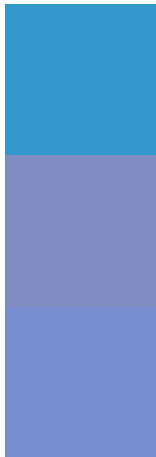
This preview shows how white text looks on a background with the YUV color 128.3160, 37.3122, -67.8061.



# 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

128.3160, 37.3122, -67.8061

### Protanopia

142.9700, 25.6508, -14.0057

### Deuteranopia

142.2340, 31.9296, -21.2532



## Tritanopia

116.2300, 27.4946, -92.2867

# Trichromacy



**Original Color**

128.3160, 37.3122, -67.8061

**Protanomaly**

137.2880, 29.9310, -33.5786

**Deuteranomaly**

137.2920, 33.8730, -37.9671

**Tritanomaly**

120.9090, 31.1039, -83.2352

# Monochromacy



**Original Color**

128.3160, 37.3122, -67.8061

**Achromatopsia**

128.0000, 0.0000, 0.0000

**Achromatomaly**

128.1030, 13.7532, -24.6463

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 128.3160, 37.3122, -67.8061 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(51, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 204)  
}
```

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(51, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 204) }
```

## Border

The CSS property to change the border of an element to YUV 128.3160, 37.3122, -67.8061 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(51, 153, 204) }
```



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

```
.border{ border-color:rgb(51, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 153,  
204) }
```

# Background

The CSS property to change the background color of an element to YUV 128.3160, 37.3122, -67.8061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 153, 204) }
```

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

```
.background{ background-color: rgb(51, 153,  
204) }
```

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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