

# Converting Colors

YUV(127.3590, 38.7700,  
-68.7208)

Have a look what the booklet for  
YUV(127.3590, 38.7700, -68.7208)  
contains.

<b>YUV(127.3590, 38.7700, -68.7208)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(127.3590, 38.7700,  
-68.7208)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3198CE
RGB	49, 152, 206
RGB Percent	19%, 60%, 81%
CMY	0.8078, 0.4039, 0.1922
CMYK	0.76, 0.26, 0.00, 0.19
HSL	201°, 62%, 50%
HSV	201°, 76%, 81%
XYZ	23.6354, 27.5657, 62.4675
YIQ	127.3590, -78.7220, -5.0420

# Conversions

## Conversions Part 2

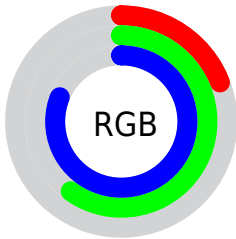
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 111, 206
Decimal	3250382
CIE <sub>Lab</sub>	59.49, -10.99, -36.02
CIE <sub>LCh</sub>	59, 37.661, 253.041
Yxy	27.5657, 0.2079, 0.2425
Android (android.graphics.Color)	4281440462 (0xFF3198CE)
YUV	127.3590, 38.7700, -68.7208
Hunter-Lab	52.5030, -11.5244, -33.7905

# Details

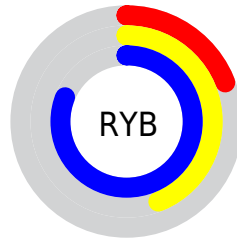
The YUV color **127.3590, 38.7700, -68.7208** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **127.6410, -38.7700, 68.7208**, and the grayscale version is **127.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **184.9750, 34.5223, -59.6141**, and **76.5010, 36.7280, -67.0914** is the 20% darker color. If you saturate the color by 10%, you get **116.9710, 43.8913, -78.0276**, and if you desaturate by 10%, it is **137.7470, 33.6487, -59.4141**.

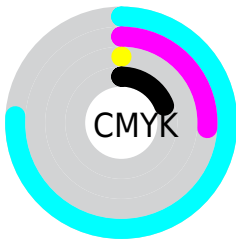
# Distribution



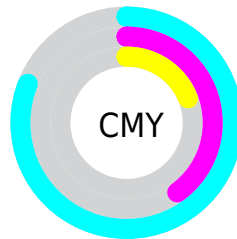
- Red (19%)
- Green (60%)
- Blue (81%)



- Red (19%)
- Yellow (44%)
- Blue (81%)



- Cyan (76%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (81%)
- Magenta (40%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 127.3590, 38.7700, -68.7208 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 127.3590, 38.7700, -68.7208 by changing the saturation by 10% instead.



■ 127.3590, 38.7700,  
-68.7208

■ 127.3590, 38.7700,  
-68.7208

■ 255.0000, 0.0000,  
0.0000

■ 94.2540, 41.2868,  
-82.6608

■ 184.9750, 34.5223,  
-59.6141

■ 76.5010, 36.7280,  
-67.0914

■ 210.6800, 21.8498,  
-54.9704

■ 59.4490, 32.3166,  
-52.1368

■ 231.9770, 11.3503,  
-47.3378

■ 43.6850, 27.7633,  
-38.3117

■ 240.9470, 6.9281,  
-28.8945

■ 28.6220, 23.3574,  
-25.1015

■ 249.9170, 2.5059,  
-10.4512

■ 8.9770, 21.7033,  
-7.8728

■ 4.7080, 12.9620,

-4.1289

■ 0.2280, 0.8736,  
-0.2000

■ 0.0000, 0.0000,  
0.0000

■ 127.3590, 38.7700,  
-68.7208

■ 127.3590, 38.7700,  
-68.7208

■ 116.9710, 43.8913,  
-78.0276

■ 137.7470, 33.6487,  
-59.4141

■ 106.8820, 48.8652,  
-86.7195

■ 147.8360, 28.6749,  
-50.7222

■ 102.7290, 50.9126,  
-90.0933

■ 158.2240, 23.5536,  
-41.4154

■ 168.3130, 18.5797,  
-32.7235

■ 178.7010, 13.4584,  
-23.4168

■ 189.6760, 8.0477,  
-14.6249

■ 199.7650, 3.0739,  
-5.9329

■ 210.1530, -2.0474,  
3.3738

■ 220.2420, -7.0213,  
12.0658

# Harmonies

## Analogous

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



114.0640, 35.9574, -100.0341



127.3590, 38.7700, -68.7208



142.0490, 32.5138, -21.9680

# Triad

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



127.3590, 38.7700, -68.7208



145.3920, -7.5883, 54.0302



134.9010, -20.1642, -19.2072

# Complementary

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



127.3590, 38.7700, -68.7208



127.6410, -38.7700, 68.7208

# 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.



139.3300, -30.7287, 9.3576



127.3590, 38.7700, -68.7208



143.7000, -21.5441, 50.2521

# Square

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



127.3590, 38.7700, -68.7208



146.7400, 8.0162, 42.3240



142.1850, -30.6572, 33.1638



127.6870, -2.3107, -52.3455



# Rectangle

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



127.3590, 38.7700, -68.7208



145.9060, 26.1753, 4.4674



142.1850, -30.6572, 33.1638



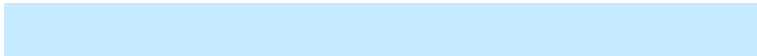
136.7020, -24.9961, -9.3857

# Sweetspot

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



127.3590, 38.7700, -68.7208



225.6190, 14.4848, -25.9759



147.0870, -22.7209, -86.0223



109.6050, 9.0687, -15.4396



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.



127.3590, 38.7700, -68.7208



138.6720, 57.3497, -101.4443



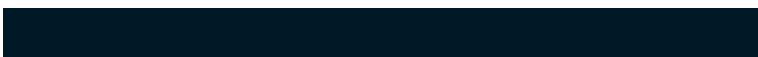
82.1600, 61.0531, -29.0813



96.6620, 2.6316, -4.0886



82.9070, 40.9648, -72.7094



19.0070, 9.3635, -16.6691



# Inverse Universe

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



107.6850, 21.8473, 86.2223



109.6960, 32.1949, 127.4316



172.8400, -61.0531, 29.0813



95.6740, 1.1467, 5.5479



62.0600, 23.1414, 91.1554



14.2120, 5.3185, 20.8621



# Previews

## White Background



This preview shows how the YUV color 127.3590, 38.7700, -68.7208 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 127.3590, 38.7700, -68.7208 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 127.3590, 38.7700, -68.7208 Background



This preview shows how black text looks on a background with the YUV color 127.3590, 38.7700, -68.7208.



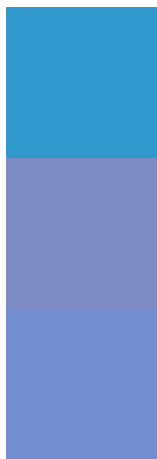
This preview shows how white text looks on a background with the YUV color 127.3590, 38.7700, -68.7208.



# 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

127.3590, 38.7700, -68.7208

### Protanopia

142.0130, 27.1086, -14.9204

### Deuteranopia

140.8640, 33.0980, -22.6827



## Tritanopia

112.2400, 28.9687, -98.4345

# Trichromacy



## Original Color

127.3590, 38.7700, -68.7208

## Protanomaly

136.3310, 31.3888, -34.4933

## Deuteranomaly

135.9220, 35.0415, -39.3966

## Tritanomaly

117.9300, 32.5725, -87.6386

# Monochromacy



## Original Color

127.3590, 38.7700, -68.7208

## Achromatopsia

127.0000, 0.0000, 0.0000

## Achromatomaly

127.2170, 14.1900, -24.7463

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 127.3590, 38.7700, -68.7208 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(49, 152, 206)` looks like.

```
.text, #text, p{  
    color:rgb(49, 152, 206)  
}
```

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(49, 152, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 152, 206) }
```

## Border

The CSS property to change the border of an element to YUV 127.3590, 38.7700, -68.7208 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(49, 152, 206) }
```



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

```
.border{ border-color:rgb(49, 152, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 152, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 152, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 152, 206);  
box-shadow:4px 4px 4px 4px rgb(49, 152,  
206) }
```

# Background

The CSS property to change the background color of an element to YUV 127.3590, 38.7700, -68.7208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 152, 206) }
```

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

```
.background{ background-color: rgb(49, 152,  
206) }
```

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? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor