

# Converting Colors

YUV(168.5310, 31.2902,  
-49.5777)

Have a look what the booklet for  
YUV(168.5310, 31.2902, -49.5777)  
contains.

<b>YUV(168.5310, 31.2902, -49.5777)</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(168.5310, 31.2902,  
-49.5777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70B9E8
RGB	112, 185, 232
RGB Percent	44%, 73%, 91%
CMY	0.5608, 0.2745, 0.0902
CMYK	0.52, 0.20, 0.00, 0.09
HSL	204°, 72%, 67%
HSV	204°, 52%, 91%
XYZ	38.5965, 43.9689, 82.7965
YIQ	168.5310, -58.5950, -0.8590

# Conversions

## Conversions Part 2

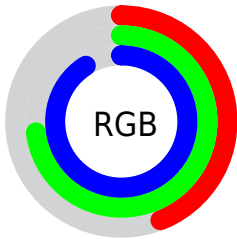
Format	Color
R <sub>Y</sub> B	112, 157, 232
Decimal	7387624
CIE Lab	72.21, -9.95, -30.47
CIE LCh	72, 32.050, 251.921
Yxy	43.9689, 0.2334, 0.2659
Android (android.graphics.Color)	4285577704 (0xFF70B9E8)
YUV	168.5310, 31.2902, -49.5777
Hunter-Lab	66.3090, -12.1412, -27.6159

# Details

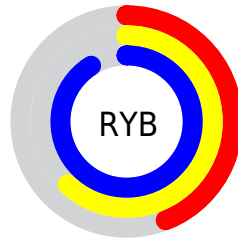
The YUV color **168.5310, 31.2902, -49.5777** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **175.4690, -31.2902, 49.5777**, and the grayscale version is **168.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **221.3670, 16.5811, -45.0489**, and **112.4980, 31.3065, -54.8107** is the 20% darker color. If you saturate the color by 10%, you get **156.3710, 37.2851, -59.0844**, and if you desaturate by 10%, it is **180.6910, 25.2953, -40.0710**.

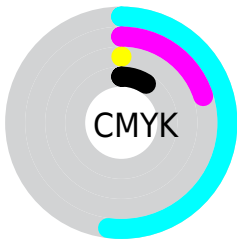
# Distribution



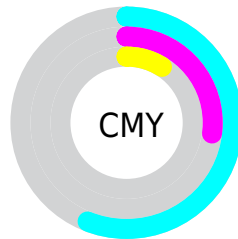
- Red (44%)
- Green (73%)
- Blue (91%)



- Red (44%)
- Yellow (62%)
- Blue (91%)



- Cyan (52%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (56%)
- Magenta (27%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 168.5310, 31.2902, -49.5777 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 168.5310, 31.2902, -49.5777 by changing the saturation by 10% instead.



■ 168.5310, 31.2902,  
-49.5777

■ 168.5310, 31.2902,  
-49.5777

255.0000, 0.0000,  
0.0000

■ 140.5200, 31.2956,  
-51.3220

■ 221.3670, 16.5811,  
-45.0489

■ 112.4980, 31.3065,  
-54.8107

■ 238.2560, 8.2548,  
-34.4275

■ 79.7950, 34.1181,  
-69.9802

■ 247.2260, 3.8326,  
-15.9842

■ 62.7430, 29.7067,  
-55.0256

■ 46.3920, 25.4427,  
-40.6858

■ 30.7420, 21.3262,  
-26.9607

■ 16.3800, 17.0677,

-14.3653

■ 4.5940, 12.5252,  
-4.0289

■ 0.0000, 0.0000,  
0.0000

■ 168.5310, 31.2902,  
-49.5777

■ 168.5310, 31.2902,  
-49.5777

■ 156.3710, 37.2851,  
-59.0844

■ 180.6910, 25.2953,  
-40.0710

■ 144.2110, 43.2800,  
-68.5910

■ 192.8510, 19.3005,  
-30.5643

■ 131.7520, 49.4223,  
-78.7125

■ 205.3100, 13.1582,  
-20.4429

■ 119.5920, 55.4171,  
-88.2192

■ 217.4700, 7.1633,  
-10.9362

■ 109.2150, 60.5330,  
-95.7816

■ 229.6300, 1.1684,  
-1.4295

■ 242.3770, -5.1159,  
7.5624

■ 248.8560, -8.3100,  
5.3883

■ 252.3780,  
-10.0464, 2.2995

# Harmonies

## Analogous

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



161.1450, 26.5505, -69.4102



168.5310, 31.2902, -49.5777



176.6320, 28.2824, -18.0943

# Triad

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



168.5310, 31.2902, -49.5777



180.1740, -6.9878, 48.0824



170.6780, -18.5753, -15.5036

# Complementary

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



168.5310, 31.2902, -49.5777



175.4690, -31.2902, 49.5777

# 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.



174.2530, -27.2397, 10.3021



168.5310, 31.2902, -49.5777



178.8350, -19.6387, 45.7487

# Square

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



168.5310, 31.2902, -49.5777



181.4790, 7.1589, 37.2909



176.7980, -27.0154, 31.7492



166.2970, -4.0904, -41.4795



# Rectangle

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



168.5310, 31.2902, -49.5777



180.0970, 23.1232, 3.4229



176.7980, -27.0154, 31.7492



172.1090, -22.2387, -7.1116

# Sweetspot

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



168.5310, 31.2902, -49.5777



233.3490, 10.6739, -16.9691



187.6840, -14.6342, -66.3749



114.6550, 6.5791, -10.2214



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.



168.5310, 31.2902, -49.5777



171.3640, 41.2325, -65.2172



133.8980, 48.3643, -19.2045



108.4770, 3.2158, -4.8033



84.3890, 46.6432, -74.0092



24.0110, 13.3056, -21.0576



# Inverse Universe

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



156.2020, 14.1974, 66.4748



155.1860, 18.6423, 87.5369



210.1020, -48.3643, 19.2045



107.3860, 1.2887, 6.6775



65.9470, 21.2251, 99.1475



18.7830, 6.0230, 28.2543



# Previews

## White Background



This preview shows how the YUV color 168.5310, 31.2902, -49.5777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

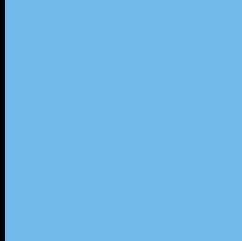
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 168.5310, 31.2902, -49.5777 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 ✓ Pass

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

# YUV 168.5310, 31.2902, -49.5777

## Background



This preview shows how black text looks on a background with the YUV color 168.5310, 31.2902, -49.5777.



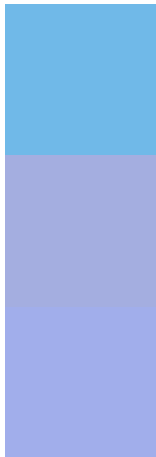
This preview shows how white text looks on a background with the YUV color 168.5310, 31.2902, -49.5777.



# 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

168.5310, 31.2902, -49.5777

### Protanopia

176.7100, 23.3140, -11.1467

### Deuteranopia

177.0670, 28.5610, -14.0908



## Tritanopia

165.6970, 19.3764, -54.9853

# Trichromacy



## Original Color

168.5310, 31.2902, -49.5777

## Protanomaly

173.7190, 26.2675, -25.1866

## Deuteranomaly

173.9190, 29.6199, -27.1160

## Tritanomaly

166.5600, 23.8809, -53.1111

# Monochromacy



## Original Color

168.5310, 31.2902, -49.5777

## Achromatopsia

169.0000, 0.0000, 0.0000

## Achromatomaly

168.8650, 11.4056, -18.2986

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 168.5310, 31.2902, -49.5777 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(112, 185, 232)` looks like.

```
.text, #text, p{  
    color:rgb(112, 185, 232)  
}
```

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(112, 185, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 185, 232) }
```

## Border

The CSS property to change the border of an element to YUV 168.5310, 31.2902, -49.5777 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(112, 185, 232) }
```



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

```
.border{ border-color:rgb(112, 185, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 185, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 185, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 185, 232);  
box-shadow:4px 4px 4px 4px rgb(112, 185,  
232) }
```

# Background

The CSS property to change the background color of an element to YUV 168.5310, 31.2902, -49.5777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 185, 232) }
```

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

```
.background{ background-color: rgb(112,  
185, 232) }
```

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