

# Converting Colors

YUV(109.2350, 43.7611,  
-36.1631)

Have a look what the booklet for  
YUV(109.2350, 43.7611, -36.1631)  
contains.

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# Color

**YUV(109.2350, 43.7611,  
-36.1631)**

# Conversions

Conversions Part 1	
Format	Color
Hex	4471C6
RGB	68, 113, 198
RGB Percent	27%, 44%, 78%
CMY	0.7333, 0.5569, 0.2235
CMYK	0.66, 0.43, 0.00, 0.22
HSL	219°, 53%, 52%
HSV	219°, 66%, 78%
XYZ	18.4821, 17.1164, 55.7558
YIQ	109.2350, -54.1050, 16.8950

# Conversions

## Conversions Part 2

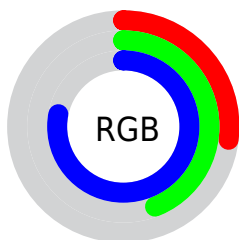
Format	Color
<a href="#">RYB</a>	<a href="#">68, 101, 198</a>
Decimal	<a href="#">4485574</a>
CIELab	<a href="#">48.41, 12.06, -48.96</a>
CIELCh	<a href="#">48, 50.425, 283.836</a>
Yxy	<a href="#">17.1164, 0.2023, 0.1874</a>
Android (android.graphics.Color)	<a href="#">4282675654</a> (0xFF4471C6)
YUV	<a href="#">109.2350, 43.7611, -36.1631</a>
Hunter-Lab	<a href="#">41.3720, 7.3401, -50.9429</a>

# Details

The YUV color **109.2350, 43.7611, -36.1631** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **156.7650, -43.7611, 36.1631**, and the grayscale version is **109.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.6100, 45.0553, -31.2300**, and **55.0440, 43.3623, -48.2736** is the 20% darker color. If you saturate the color by 10%, you get **95.6240, 50.4714, -41.7662**, and if you desaturate by 10%, it is **122.8460, 37.0509, -30.5599**.

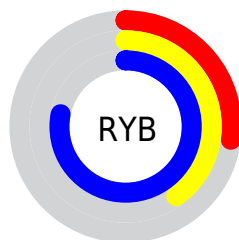
# Distribution



Red (27%)

Green (44%)

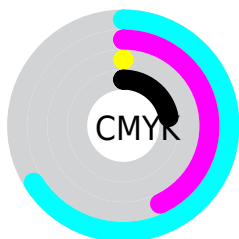
Blue (78%)



Red (27%)

Yellow (40%)

Blue (78%)

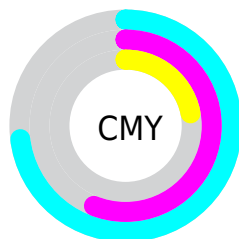


Cyan (66%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (73%)

Magenta (56%)

Yellow (22%)


# Brightness & Saturation


## Gradients

These gradients show how the YUV color 109.2350, 43.7611, -36.1631 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 109.2350, 43.7611, -36.1631 by changing the saturation by 10% instead.





 109.2350, 43.7611,  
-36.1631


 109.2350, 43.7611,  
-36.1631


255.0000, 0.0000,  
0.0000


 80.5930, 44.0777,  
-44.3701


 163.6100, 45.0553,  
-31.2300

 55.0440, 43.3623,  
-48.2736


 188.4290, 32.8195,  
-26.6862


 39.7530, 38.0828,  
-34.8634


 213.5360, 20.4418,  
-23.2721

 25.1630, 32.9506,  
-22.0680

 238.6430, 8.0640,  
-19.8579

 9.5130, 28.8341,  
-8.3429

 252.3090, 1.3267,  
-5.5330

 6.8910, 18.7877,  
-6.0434

 3.2090, 9.7570,

-2.8143

0.0000, 0.0000,  
0.0000

109.2350, 43.7611,  
-36.1631

109.2350, 43.7611,  
-36.1631

95.6240, 50.4714,  
-41.7662

122.8460, 37.0509,  
-30.5599

82.0130, 57.1816,  
-47.3694

136.4570, 30.3407,  
-24.9568


68.7010, 63.7444,  
-52.3578


149.7690, 23.7779,  
-19.9684


63.0750, 66.5180,  
-55.3168


163.3800, 17.0677,  
-14.3653

176.9910, 10.3574,  
-8.7621

 190.6020, 3.6472,  
-3.1590

 204.2130, -3.0630,  
2.4442

 217.5250, -9.6258,  
7.4326

 231.1360,  
-16.3360, 13.0357

# Harmonies

## Analogous

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



96.4200, 49.5859, -84.5603



109.2350, 43.7611, -36.1631



118.4010, 28.8893, 20.6963

# Triad

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



109.2350, 43.7611, -36.1631



112.0990, -26.6708, 61.3032



88.9180, 0.5334, -77.9811

# Complementary

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



109.2350, 43.7611, -36.1631



156.7650, -43.7611, 36.1631

# 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.



102.2390, -26.2468, -28.2736



109.2350, 43.7611, -36.1631



110.7700, -41.2986, 39.6667

# Square

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



109.2350, 43.7611, -36.1631



112.4910, -7.6371, 69.7294



107.5290, -42.6588, 9.1831



94.5210, 19.4631, -82.8949



# Rectangle

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



109.2350, 43.7611, -36.1631



117.2920, 17.6040, 47.1019



107.5290, -42.6588, 9.1831



86.0340, -5.4398, -75.4518

# Sweetspot

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



109.2350, 43.7611, -36.1631



220.3800, 17.0677, -14.3653



154.0000, -0.4930, -75.4220



106.4040, 10.6468, -8.2473



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.



109.2350, 43.7611, -36.1631



117.4170, 67.8284, -55.6167



88.8000, 53.8356, -0.7016



92.7870, 3.0630, -2.4442



51.4540, 54.9922, -45.1252



11.1480, 12.2520, -9.7768



# Inverse Universe

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



112.0000, 0.4930, 75.4220



121.9650, 0.5103, 116.6717



177.4990, -53.9830, 1.3164



93.0330, -0.0163, 5.2331



55.1210, 0.4333, 94.6099



12.1320, -0.0651, 20.9322



# Previews

## White Background



This preview shows how the YUV color 109.2350, 43.7611, -36.1631 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 × Fail



# Black Background



This preview shows how the YUV color 109.2350, 43.7611, -36.1631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

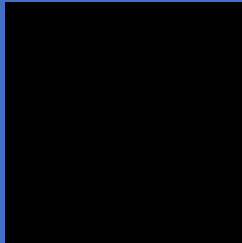
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 109.2350, 43.7611, -36.1631

## Background



This preview shows how black text looks on a background with the YUV color 109.2350, 43.7611, -36.1631.



This preview shows how white text looks on a background with the YUV color 109.2350, 43.7611, -36.1631.



# 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

109.2350, 43.7611, -36.1631

### Protanopia

111.2250, 42.2871, -30.0153

### Deuteranopia

105.5000, 45.1095, -48.6735



## Tritanopia

97.9520, 19.2507, -61.3479

# Trichromacy



**Original Color**  
109.2350, 43.7611, -36.1631

**Protanomaly**  
110.3280, 42.7293, -31.8597

**Deuteranomaly**  
107.0060, 44.3670, -43.8553

**Tritanomaly**  
102.0100, 28.0961, -51.7518

# Monochromacy



**Original Color**  
109.2350, 43.7611, -36.1631

**Achromatopsia**  
109.0000, 0.0000, 0.0000

**Achromatomaly**  
108.7500, 15.8993, -12.9357

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 109.2350, 43.7611, -36.1631 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(68, 113, 198)` looks like.

```
.text, #text, p{  
    color:rgb(68, 113, 198)  
}
```

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(68, 113, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 113, 198) }
```

## Border

The CSS property to change the border of an element to YUV 109.2350, 43.7611, -36.1631 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(68, 113, 198) }
```



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

```
.border{ border-color:rgb(68, 113, 198) }
```

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

Here you see how a box with a 4 pixel rgb(68, 113, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 113, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 113, 198);  
box-shadow:4px 4px 4px 4px rgb(68, 113,  
198) }
```

# Background

The CSS property to change the background color of an element to YUV 109.2350, 43.7611, -36.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 113, 198) }
```

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

```
.background{ background-color: rgb(68, 113,  
198) }
```

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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