

# Converting Colors

YUV(108.5050, 34.2610,  
-22.3679)

Have a look what the booklet for  
YUV(108.5050, 34.2610, -22.3679)  
contains.

<b>YUV(108.5050, 34.2610, -22.3679)</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(108.5050, 34.2610,  
-22.3679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	536CB2
RGB	83, 108, 178
RGB Percent	33%, 42%, 70%
CMY	0.6745, 0.5765, 0.3020
CMYK	0.53, 0.39, 0.00, 0.30
HSL	224°, 38%, 51%
HSV	224°, 53%, 70%
XYZ	16.9657, 15.7785, 44.2708
YIQ	108.5050, -37.3700, 16.4700

# Conversions

## Conversions Part 2

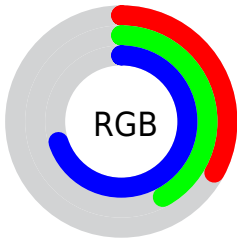
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 103, 178
Decimal	5467314
CIE Lab	46.68, 11.34, -40.09
CIE LCh	47, 41.666, 285.794
Yxy	15.7785, 0.2203, 0.2049
Android (android.graphics.Color)	4283657394 (0xFF536CB2)
YUV	108.5050, 34.2610, -22.3679
Hunter-Lab	39.7221, 6.7254, -38.2740

# Details

The YUV color **108.5050, 34.2610, -22.3679** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **152.4950, -34.2610, 22.3679**, and the grayscale version is **108.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **161.2710, 35.8554, -20.4087**, and **56.3360, 33.8514, -30.9897** is the 20% darker color. If you saturate the color by 10%, you get **95.4920, 40.6764, -26.7415**, and if you desaturate by 10%, it is **121.5180, 27.8456, -17.9943**.

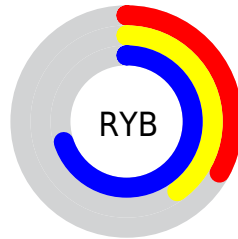
# Distribution



Red (33%)

Green (42%)

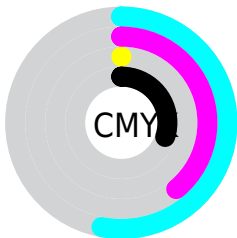
Blue (70%)



Red (33%)

Yellow (40%)

Blue (70%)

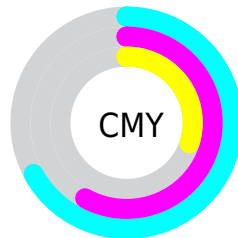


Cyan (53%)

Magenta (39%)

Yellow (0%)

Black (30%)



Cyan (67%)

Magenta (58%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 108.5050, 34.2610, -22.3679 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 108.5050, 34.2610, -22.3679 by changing the saturation by 10% instead.



■ 108.5050, 34.2610,  
-22.3679

■ 108.5050, 34.2610,  
-22.3679

■ 255.0000, 0.0000,  
0.0000

■ 82.9670, 33.5403,  
-24.5271

■ 161.2710, 35.8554,  
-20.4087

■ 56.3360, 33.8514,  
-30.9897

■ 187.8860, 33.0872,  
-19.1940

■ 34.7660, 31.6674,  
-30.4898

■ 212.9930, 20.7095,  
-15.7799

■ 20.2900, 26.9720,  
-17.7943

■ 238.1000, 8.3317,  
-12.3657

■ 8.2760, 21.5559,  
-7.2581

■ 254.4020, 0.2948,  
-1.2296

■ 4.5940, 12.5252,  
-4.0289

■ 0.0000, 0.0000,

0.0000

■ 108.5050, 34.2610,  
-22.3679

■ 108.5050, 34.2610,  
-22.3679

■ 95.4920, 40.6764,  
-26.7415

■ 121.5180, 27.8456,  
-17.9943

■ 82.4790, 47.0919,  
-31.1151

■ 134.5310, 21.4302,  
-13.6207

■ 69.7650, 53.3599,  
-34.8739

■ 147.2450, 15.1622,  
-9.8619

■ 56.7520, 59.7753,  
-39.2475

■ 160.2580, 8.7468,  
-5.4883

■ 47.8810, 64.1487,  
-41.9916

■ 173.8580, 2.0420,  
-1.6295

■ 186.8710, -4.3734,  
2.7441

■ 199.8840,  
-10.7888, 7.1177

■ 212.5980,  
-17.0568, 10.8766

■ 225.6110,  
-23.4722, 15.2502

# Harmonies

## Analogous

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



90.1450, 43.3125, -79.0572



108.5050, 34.2610, -22.3679



114.0820, 22.6376, 19.2221

# Triad

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



108.5050, 34.2610, -22.3679



109.8310, -23.5807, 50.1372



85.0370, 3.4328, -74.5774

# Complementary

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



108.5050, 34.2610, -22.3679



152.4950, -34.2610, 22.3679

# 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.



100.8680, -20.1479, -24.4402



108.5050, 34.2610, -22.3679



108.1910, -33.1252, 31.4045

# Square

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



108.5050, 34.2610, -22.3679



110.1860, -8.4727, 57.7189



105.4390, -32.7544, 5.7540



89.8420, 19.3049, -78.7914



# Rectangle

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



108.5050, 34.2610, -22.3679



113.3960, 13.1158, 39.9947



105.4390, -32.7544, 5.7540



92.7640, -5.7997, -53.2900

# Sweetspot

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



108.5050, 34.2610, -22.3679



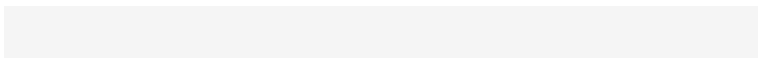
205.0880, 13.2676, -8.8472



146.7450, 3.0837, -55.9044



101.0300, 7.8732, -5.2883



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



108.5050, 34.2610, -22.3679



123.7650, 53.3599, -34.8739



100.4080, 38.2529, 4.0272



82.7870, 3.0630, -2.4442



40.9220, 55.2545, -35.8886



7.0730, 9.3310, -6.2030



# Inverse Universe

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



114.2550, -3.0837, 55.9044



132.6980, -4.7811, 87.0879



160.5920, -38.2529, -4.0272



83.0330, -0.0163, 5.2331



50.3070, -5.0814, 90.0618

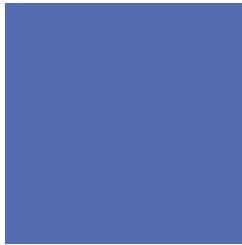


8.5720, -0.7750, 15.2844



# Previews

## White Background



This preview shows how the YUV color 108.5050, 34.2610, -22.3679 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 108.5050, 34.2610, -22.3679 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

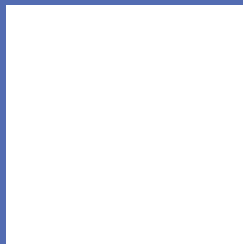
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 108.5050, 34.2610, -22.3679

## Background



This preview shows how black text looks on a background with the YUV color 108.5050, 34.2610, -22.3679.



This preview shows how white text looks on a background with the YUV color 108.5050, 34.2610, -22.3679.



# 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

108.5050, 34.2610, -22.3679

### Protanopia

108.5050, 34.2610, -22.3679

### Deuteranopia

106.5640, 34.7249, -31.1896



## Tritanopia

104.1790, 11.7438, -33.4830

# Trichromacy



## Original Color

108.5050, 34.2610, -22.3679

## Protanomaly

108.5050, 34.2610, -22.3679

## Deuteranomaly

107.1730, 34.4247, -28.2157

## Tritanomaly

105.6770, 19.8792, -29.5347

# Monochromacy



## Original Color

108.5050, 34.2610, -22.3679

## Achromatopsia

109.0000, 0.0000, 0.0000

## Achromatomaly

109.1590, 12.2466, -8.0324

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 108.5050, 34.2610, -22.3679 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(83, 108, 178)` looks like.

```
.text, #text, p{  
    color:rgb(83, 108, 178)  
}
```

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(83, 108, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 108, 178) }
```

## Border

The CSS property to change the border of an element to YUV 108.5050, 34.2610, -22.3679 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(83, 108, 178) }
```



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

```
.border{ border-color:rgb(83, 108, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 108, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 108, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 108, 178);  
box-shadow:4px 4px 4px 4px rgb(83, 108,  
178) }
```

# Background

The CSS property to change the background color of an element to YUV 108.5050, 34.2610, -22.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 108, 178) }
```

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

```
.background{ background-color: rgb(83, 108,  
178) }
```

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