

# Converting Colors

YUV(168.6670, 11.9962,  
25.7250)

Have a look what the booklet for  
YUV(168.6670, 11.9962, 25.7250)  
contains.

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# Color

**YUV(168.6670, 11.9962,  
25.7250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C695C1
RGB	198, 149, 193
RGB Percent	78%, 58%, 76%
CMY	0.2235, 0.4157, 0.2431
CMYK	0.00, 0.25, 0.03, 0.22
HSL	306°, 30%, 68%
HSV	306°, 25%, 78%
XYZ	43.6618, 37.3509, 55.3603
YIQ	168.6670, 15.0800, 24.0720

# Conversions

## Conversions Part 2

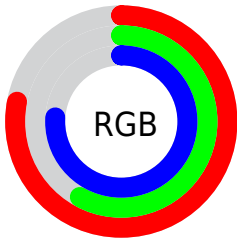
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 149, 193
Decimal	13014465
CIE Lab	67.54, 25.71, -15.59
CIE LCh	68, 30.072, 328.763
Yxy	37.3509, 0.3202, 0.2739
Android (android.graphics.Color)	4291204545 (0xFFC695C1)
YUV	168.6670, 11.9962, 25.7250
Hunter-Lab	61.1154, 20.5712, -10.9260

# Details

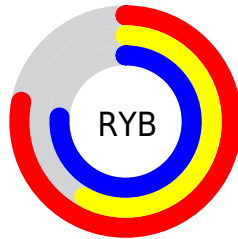
The YUV color **168.6670, 11.9962, 25.7250** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **178.3330, -11.9962, -25.7250**, and the grayscale version is **169.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **224.4930, 12.5750, 26.7546**, and **116.4280, 11.1280, 24.1806** is the 20% darker color. If you saturate the color by 10%, you get **156.6990, 16.9104, 36.2210**, and if you desaturate by 10%, it is **180.6350, 7.0819, 15.2291**.

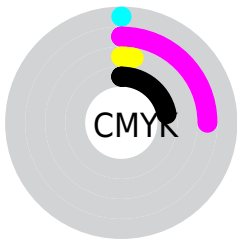
# Distribution



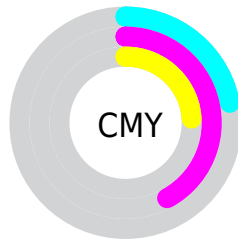
- Red (78%)
- Green (58%)
- Blue (76%)



- Red (78%)
- Yellow (58%)
- Blue (76%)



- Cyan (0%)
- Magenta (25%)
- Yellow (3%)
- Black (22%)




- Cyan (22%)
- Magenta (42%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 168.6670, 11.9962, 25.7250 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 168.6670, 11.9962, 25.7250 by changing the saturation by 10% instead.





 168.6670, 11.9962,  
25.7250


 168.6670, 11.9962,  
25.7250


255.0000, 0.0000,  
0.0000


 141.9550, 11.8542,  
24.5955


 224.4930, 12.5750,  
26.7546


 116.4280, 11.1280,  
24.1806

 241.4990, 6.6560,  
11.8404

 90.8300, 11.4228,  
22.9511

 67.0040, 10.8440,  
21.9215

 43.7050, 10.9914,  
21.3067

 21.4060, 11.1388,  
20.6919

 9.2000, 6.8034,

11.2256

■ 0.0000, 0.0000,  
0.0000

■ 168.6670, 11.9962,  
25.7250

■ 168.6670, 11.9962,  
25.7250

■ 156.6990, 16.9104,  
36.2210

■ 180.6350, 7.0819,  
15.2291

■ 144.7310, 21.8246,  
46.7169

■ 192.6030, 2.1677,  
4.7332

■ 133.3500, 26.4495,  
56.6981

■ 203.9840, -2.4571,  
-5.2480

■ 121.3820, 31.3637,  
67.1940

■ 215.9520, -7.3713,  
-15.7439

■ 109.4140, 36.2779,  
77.6899

■ 227.9200,  
-12.2856, -26.2398

■ 97.4460, 41.1921,  
88.1859

■ 232.2570,  
-13.4377, -30.0434

■ 85.4780, 46.1063,  
98.6818

■ 232.4850,  
-12.5641, -30.2433

■ 79.4940, 48.5635,  
103.9298

■ 232.7130,  
-11.6905, -30.4433

■ 232.9410,  
-10.8169, -30.6433

# Harmonies

## Analogous

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



166.8470, 22.2604, 0.1342



168.6670, 11.9962, 25.7250



168.1500, -0.5670, 41.9644

# Triad

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



168.6670, 11.9962, 25.7250



162.6500, -25.9564, 18.7240



149.4570, 19.9877, -64.4218

# Complementary

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



168.6670, 11.9962, 25.7250



178.3330, -11.9962, -25.7250

# 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.



151.6470, 5.1040, -50.5564



168.6670, 11.9962, 25.7250



160.2450, -21.8128, -3.7229

# Square

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



168.6670, 11.9962, 25.7250



164.9710, -22.6637, 35.9824



156.4790, -10.0961, -28.4841



153.5750, 27.8175, -55.7553



# Rectangle

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



168.6670, 11.9962, 25.7250



167.4680, -9.5977, 45.1936



156.4790, -10.0961, -28.4841



149.3280, 15.6143, -61.6777

# Sweetspot

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



168.6670, 11.9962, 25.7250



244.2060, 4.3354, 9.4663



156.0810, 20.6661, -1.8250



121.3150, 2.3097, 5.8627



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.



168.6670, 11.9962, 25.7250



209.4760, 18.4993, 39.9245



165.9310, 1.5130, 28.1245



93.6030, 2.1677, 4.7332



65.4950, 40.1820, 85.5119



14.4120, 8.6709, 18.9327



# Inverse Universe

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



168.6670, 11.9962, 25.7250



209.4760, 18.4993, 39.9245



181.0690, -1.5130, -28.1245



93.6030, 2.1677, 4.7332



65.4950, 40.1820, 85.5119

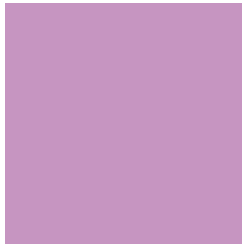


14.4120, 8.6709, 18.9327



# Previews

## White Background



This preview shows how the YUV color 168.6670, 11.9962, 25.7250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

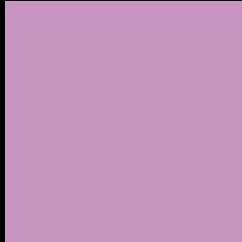
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 168.6670, 11.9962, 25.7250 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 168.6670, 11.9962, 25.7250

## Background



This preview shows how black text looks on a background with the YUV color 168.6670, 11.9962, 25.7250.



This preview shows how white text looks on a background with the YUV color 168.6670, 11.9962,

25.7250.

# 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

168.6670, 11.9962, 25.7250

### Protanopia

165.4670, 18.5038, -8.3026

### Deuteranopia

166.5130, 12.0721, 1.3041



## Tritanopia

167.3280, -0.6547, 23.3913

# Trichromacy



## Original Color

168.6670, 11.9962, 25.7250

## Protanomaly

166.5610, 15.9924, 3.8930

## Deuteranomaly

167.5680, 12.0450, 10.0259

## Tritanomaly

167.5930, 4.1447, 24.0359

# Monochromacy



## Original Color

168.6670, 11.9962, 25.7250

## Achromatopsia

169.0000, 0.0000, 0.0000

## Achromatomaly

169.2060, 4.3354, 9.4663

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 168.6670, 11.9962, 25.7250 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(198, 149, 193)` looks like.

```
.text, #text, p{  
    color:rgb(198, 149, 193)  
}
```

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(198, 149, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 149, 193) }
```

## Border

The CSS property to change the border of an element to YUV 168.6670, 11.9962, 25.7250 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(198, 149, 193) }
```



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

```
.border{ border-color:rgb(198, 149, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 149, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 149, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 149, 193);  
box-shadow:4px 4px 4px 4px rgb(198, 149,  
193) }
```

# Background

The CSS property to change the background color of an element to YUV 168.6670, 11.9962, 25.7250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 149, 193) }
```

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

```
.background{ background-color: rgb(198,  
149, 193) }
```

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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