

# Converting Colors

YUV(123.4070, 36.7743,  
58.4021)

Have a look what the booklet for  
YUV(123.4070, 36.7743, 58.4021)  
contains.

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# Color

**YUV(123.4070, 36.7743,  
58.4021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BE4BC6
RGB	190, 75, 198
RGB Percent	75%, 29%, 78%
CMY	0.2549, 0.7059, 0.2235
CMYK	0.04, 0.62, 0.00, 0.22
HSL	296°, 52%, 54%
HSV	296°, 62%, 78%
XYZ	33.9443, 20.0565, 55.5083
YIQ	123.4070, 29.0570, 62.6330

# Conversions

## Conversions Part 2

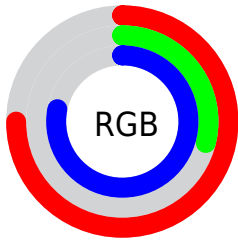
Format	Color
R <sub>YB</sub>	190, 75, 198
Decimal	12471238
CIE <sub>Lab</sub>	51.90, 62.07, -42.70
CIE <sub>LCh</sub>	52, 75.335, 325.473
Yxy	20.0565, 0.3100, 0.1831
Android (android.graphics.Color)	4290661318 (0xFFBE4BC6)
YUV	123.4070, 36.7743, 58.4021
Hunter-Lab	44.7845, 56.9208, -42.1380

# Details

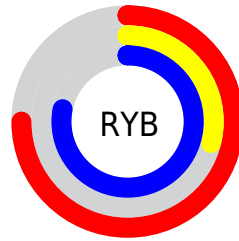
The YUV color **123.4070, 36.7743, 58.4021** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **149.5930, -36.7743, -58.4021**, and the grayscale version is **123.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **180.4180, 36.7689, 60.1464**, and **57.2430, 42.2782, 66.4389** is the 20% darker color. If you saturate the color by 10%, you get **111.3680, 42.7096, 68.0833**, and if you desaturate by 10%, it is **135.4460, 30.8391, 48.7209**.

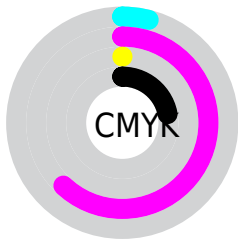
# Distribution



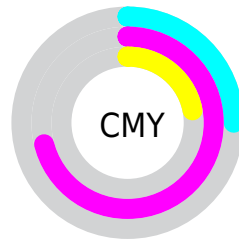
- Red (75%)
- Green (29%)
- Blue (78%)



- Red (75%)
- Yellow (29%)
- Blue (78%)



- Cyan (4%)
- Magenta (62%)
- Yellow (0%)
- Black (22%)



- Cyan (25%)
- Magenta (71%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 123.4070, 36.7743, 58.4021 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 123.4070, 36.7743, 58.4021 by changing the saturation by 10% instead.



123.4070, 36.7743,  
58.4021

123.4070, 36.7743,  
58.4021

255.0000, 0.0000,  
0.0000

93.9340, 37.5005,  
58.8169

180.4180, 36.7689,  
60.1464

57.2430, 42.2782,  
66.4389

198.6480, 27.7815,  
49.4207

45.0320, 35.4802,  
53.4689

215.0840, 19.6786,  
35.0063

33.8100, 28.6877,  
38.7546

232.1070, 11.2862,  
20.0772

23.8980, 21.7423,  
26.3995

249.7170, 2.6045,  
4.6332

12.3060, 16.1181,  
10.2556

3.2090, 9.7570,

-2.8143

■ 0.0000, 0.0000,  
0.0000

■ 123.4070, 36.7743,  
58.4021

■ 123.4070, 36.7743,  
58.4021

■ 111.3680, 42.7096,  
68.0833

■ 135.4460, 30.8391,  
48.7209

■ 99.0300, 48.7922,  
77.1497

■ 147.7840, 24.7565,  
39.6544

■ 87.5780, 54.4380,  
86.3161

■ 159.2360, 19.1107,  
30.4880

■ 77.8870, 59.2157,  
93.9381

■ 171.2750, 13.1754,  
20.8068

■ 183.3140, 7.2402,  
11.1256

■ 195.6520, 1.1576,  
2.0592

■ 207.6910, -4.7777,  
-7.6220

■ 219.1430,  
-10.4235, -16.7884

■ 231.4810,  
-16.5061, -25.8548

# Harmonies

## Analogous

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



120.2530, 60.0213, -24.7779



123.4070, 36.7743, 58.4021



107.1670, 14.2147, 107.7245

# Triad

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



123.4070, 36.7743, 58.4021



116.5080, -57.4384, 36.3885



108.9290, 34.0520, -95.5307

# Complementary

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



123.4070, 36.7743, 58.4021



149.5930, -36.7743, -58.4021

# 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.



101.4050, 5.2233, -88.9322



123.4070, 36.7743, 58.4021



108.5360, -53.5082, -10.9941

# Square

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



123.4070, 36.7743, 58.4021



113.5380, -55.9742, 80.2122



90.4900, -23.9056, -79.3597



112.5090, 57.9231, -98.6704



# Rectangle

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



123.4070, 36.7743, 58.4021



105.0480, -5.4467, 113.9679



90.4900, -23.9056, -79.3597



107.1220, 24.5899, -93.9460

# Sweetspot

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



123.4070, 36.7743, 58.4021



225.9270, 14.3330, 22.8660



93.7180, 51.4110, -16.4157



109.7920, 8.9765, 14.2144



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.



123.4070, 36.7743, 58.4021



139.2950, 57.0426, 90.9493



119.7570, 12.4448, 68.6191



93.7170, 2.6045, 4.6332



64.3290, 48.6448, 77.7645



13.9710, 10.8603, 16.6884



# Inverse Universe

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



112.6890, -14.6367, 74.8177



122.4770, -22.9132, 116.2227



153.2430, -12.4448, -68.6191



92.6910, -1.3267, 5.5330



49.9910, -19.2226, 99.1089



10.9920, -4.4331, 21.9320



# Previews

## White Background



This preview shows how the YUV color 123.4070, 36.7743, 58.4021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

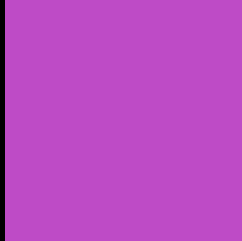
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 123.4070, 36.7743, 58.4021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

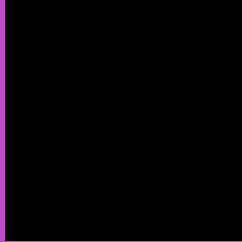
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 123.4070, 36.7743, 58.4021

## Background



This preview shows how black text looks on a background with the YUV color 123.4070, 36.7743, 58.4021.



This preview shows how white text looks on a background with the YUV color 123.4070, 36.7743, 58.4021.



# 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

123.4070, 36.7743, 58.4021

### Protanopia

113.7610, 62.7288, -53.2874

### Deuteranopia

121.9560, 33.5457, -26.2714



## Tritanopia

125.1200, -8.4402, 47.2528

# Trichromacy



## Original Color

123.4070, 36.7743, 58.4021



## Protanomaly

117.4950, 53.0000, -12.7121



## Deuteranomaly

122.4960, 34.7585, 4.8270



## Tritanomaly

124.7950, 7.9891, 51.0458

# Monochromacy



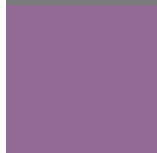
## Original Color

123.4070, 36.7743, 58.4021



## Achromatopsia

123.0000, 0.0000, 0.0000



## Achromatomaly

123.2750, 13.1754, 20.8068

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 123.4070, 36.7743, 58.4021 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(190, 75, 198)` looks like.

```
.text, #text, p{  
    color:rgb(190, 75, 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(190, 75, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 75, 198) }
```

## Border

The CSS property to change the border of an element to YUV 123.4070, 36.7743, 58.4021 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(190, 75, 198) }
```



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

```
.border{ border-color:rgb(190, 75, 198) }
```

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

Here you see how a box with a 4 pixel rgb(190, 75, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 75, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 75, 198);  
box-shadow:4px 4px 4px 4px rgb(190, 75,  
198) }
```

# Background

The CSS property to change the background color of an element to YUV 123.4070, 36.7743, 58.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 75, 198) }
```

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

```
.background{ background-color: rgb(190, 75,  
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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