

# Converting Colors

YUV(84.5070, 42.1480,  
108.3034)

Have a look what the booklet for  
YUV(84.5070, 42.1480, 108.3034)  
contains.

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# Color

**YUV(84.5070, 42.1480,  
108.3034)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D005AA
RGB	208, 5, 170
RGB Percent	82%, 2%, 67%
CMY	0.1843, 0.9804, 0.3333
CMYK	0.00, 0.98, 0.18, 0.18
HSL	311°, 95%, 42%
HSV	311°, 98%, 82%
XYZ	33.3224, 16.4207, 39.4434
YIQ	84.5070, 68.0230, 94.3510

# Conversions

## Conversions Part 2

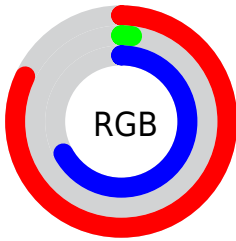
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 5, 170
Decimal	13632938
CIE <sub>Lab</sub>	47.52, 78.76, -33.05
CIE <sub>LCh</sub>	48, 85.416, 337.235
Yxy	16.4207, 0.3736, 0.1841
Android (android.graphics.Color)	4291823018 (0xFFD005AA)
YUV	84.5070, 42.1480, 108.3034
Hunter-Lab	40.5225, 75.8695, -29.3455

# Details

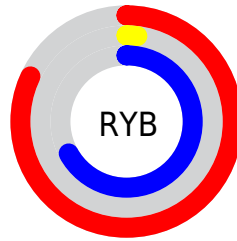
The YUV color **84.5070, 42.1480, 108.3034** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **128.4930, -42.1480, -108.3034**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.6000, 34.2142, 86.2968**, and **57.8890, 29.1417, 79.9043** is the 20% darker color. If you saturate the color by 10%, you get **81.4580, 43.1582, 110.9773**, and if you desaturate by 10%, it is **97.2900, 37.8180, 97.0927**.

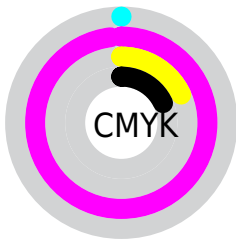
# Distribution



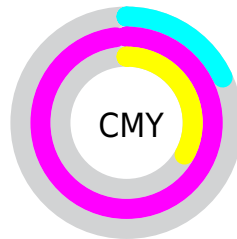
- Red (82%)
- Green (2%)
- Blue (67%)



- Red (82%)
- Yellow (2%)
- Blue (67%)



- Cyan (0%)
- Magenta (98%)
- Yellow (18%)
- Black (18%)



- Cyan (18%)
- Magenta (98%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 84.5070, 42.1480, 108.3034 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 84.5070, 42.1480, 108.3034 by changing the saturation by 10% instead.





 84.5070, 42.1480,  
108.3034


 84.5070, 42.1480,  
108.3034


255.0000, 0.0000,  
0.0000


 69.5240, 36.2237,  
95.1335


 156.6000, 34.2142,  
86.2968

 57.8890, 29.1417,  
79.9043


 178.1030, 37.9102,  
67.4387

 46.3680, 22.4966,  
64.5753


 195.1260, 29.5179,  
52.5095

 34.9610, 16.2882,  
49.1462

 212.7360, 20.8362,  
37.0655

 24.3800, 10.6587,  
34.7467

 230.3460, 12.1544,  
21.6216

 12.9020, 5.4713,  
18.5029

 247.9560, 3.4727,

 0.0000, 0.0000,

6.1776

0.0000

■ 84.5070, 42.1480,  
108.3034

■ 84.5070, 42.1480,  
108.3034

■ 81.4580, 43.1582,  
110.9773

■ 97.2900, 37.8180,  
97.0927

■ 110.0730, 33.4880,  
85.8820

■ 122.2690, 29.4474,  
75.1861

■ 135.0520, 25.1174,  
63.9754

■ 147.7210, 20.3505,  
52.8647

■ 160.5040, 16.0205,  
41.6540

■ 173.2870, 11.6905,  
30.4433

■ 185.4830, 7.6499,  
19.7474

■ 198.2660, 3.3199,  
8.5367

# Harmonies

## Analogous

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



113.0990, 57.1392, 13.0682



84.5070, 42.1480, 108.3034



80.9530, 8.8972, 133.3452

# Triad

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



84.5070, 42.1480, 108.3034



104.5700, -51.5530, 15.2861



105.4530, 46.1187, -92.4823

# Complementary

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



84.5070, 42.1480, 108.3034



128.4930, -42.1480, -108.3034

# 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.



97.4730, 15.5428, -85.4838



84.5070, 42.1480, 108.3034



85.8670, -42.3324, -48.9954

# Square

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



84.5070, 42.1480, 108.3034



104.8890, -51.7103, 65.8723



86.9340, -17.2225, -76.2411



107.4030, 68.8213, -94.1924



# Rectangle

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



84.5070, 42.1480, 108.3034



74.1000, -10.8953, 134.9703



86.9340, -17.2225, -76.2411



103.5320, 36.2197, -90.7976

# Sweetspot

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



84.5070, 42.1480, 108.3034



209.9660, 15.2998, 39.4948



39.2050, 83.2159, 2.4512



100.5590, 9.0914, 24.0658



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.



84.5070, 42.1480, 108.3034



99.8430, 52.8284, 136.0727



72.9930, -1.9685, 118.4011



98.3150, 2.3097, 5.8627



65.8500, 35.0770, 89.5856



16.0210, 8.3706, 21.9066



# Inverse Universe

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



84.5070, 42.1480, 108.3034



99.8430, 52.8284, 136.0727



140.0070, 1.9685, -118.4011



98.3150, 2.3097, 5.8627



65.8500, 35.0770, 89.5856



16.0210, 8.3706, 21.9066



# Previews

## White Background



This preview shows how the YUV color 84.5070, 42.1480, 108.3034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

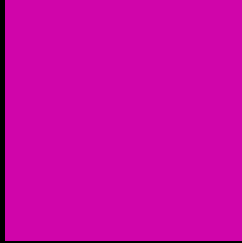
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 84.5070, 42.1480, 108.3034 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

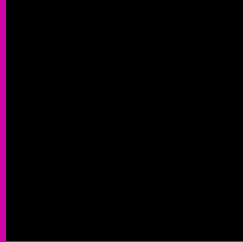
Any Text WCAG AA × Fail

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 84.5070, 42.1480, 108.3034 Background



This preview shows how black text looks on a background with the YUV color 84.5070, 42.1480, 108.3034.



This preview shows how white text looks on a background with the YUV color 84.5070, 42.1480,



# 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

84.5070, 42.1480, 108.3034

### Protanopia

91.3600, 70.8145, -80.1227

### Deuteranopia

114.0580, 22.1564, -13.2059



## Tritanopia

107.2230, -17.8579, 81.3654

# Trichromacy



## Original Color

84.5070, 42.1480, 108.3034



## Protanomaly

89.0420, 60.1253, -11.4378



## Deuteranomaly

103.5810, 29.2936, 31.0625



## Tritanomaly

98.7230, 4.0806, 91.4509

# Monochromacy



## Original Color

84.5070, 42.1480, 108.3034



## Achromatopsia

85.0000, 0.0000, 0.0000



## Achromatomaly

84.9660, 15.2998, 39.4948

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.5070, 42.1480, 108.3034 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(208, 5, 170)` looks like.

```
.text, #text, p{  
    color:rgb(208, 5, 170)  
}
```

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(208, 5, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 5, 170) }
```

## Border

The CSS property to change the border of an element to YUV 84.5070, 42.1480, 108.3034 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(208, 5, 170) }
```



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

```
.border{ border-color:rgb(208, 5, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 5, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 5, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 5, 170);  
box-shadow:4px 4px 4px 4px rgb(208, 5,  
170) }
```

# Background

The CSS property to change the background color of an element to YUV 84.5070, 42.1480, 108.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 5, 170) }
```

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

```
.background{ background-color: rgb(208, 5,  
170) }
```

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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