

# Converting Colors

YUV(85.8660, 20.7721,  
104.4805)

Have a look what the booklet for  
YUV(85.8660, 20.7721, 104.4805)  
contains.

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# Color

**YUV(85.8660, 20.7721,  
104.4805)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD1180
RGB	205, 17, 128
RGB Percent	80%, 7%, 50%
CMY	0.1961, 0.9333, 0.4980
CMYK	0.00, 0.92, 0.38, 0.20
HSL	325°, 85%, 44%
HSV	325°, 92%, 80%
XYZ	29.2736, 14.9385, 21.7626
YIQ	85.8660, 76.4170, 74.3770

# Conversions

## Conversions Part 2

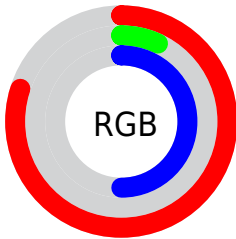
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 17, 128
Decimal	13439360
CIE <sub>Lab</sub>	45.55, 72.36, -10.82
CIE <sub>LCh</sub>	46, 73.165, 351.499
Yxy	14.9385, 0.4437, 0.2264
Android (android.graphics.Color)	4291629440 (0xFFCD1180)
YUV	85.8660, 20.7721, 104.4805
Hunter-Lab	38.6504, 67.5565, -6.3287

# Details

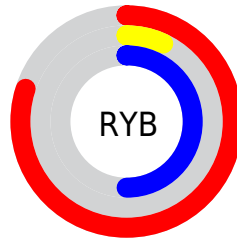
The YUV color **85.8660, 20.7721, 104.4805** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **136.1340, -20.7721, -104.4805**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **151.4700, 14.5583, 90.7958**, and **52.3610, 13.1330, 81.2444** is the 20% darker color. If you saturate the color by 10%, you get **75.0890, 22.6341, 113.9319**, and if you desaturate by 10%, it is **98.5180, 18.4786, 93.3847**.

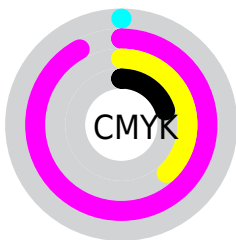
# Distribution



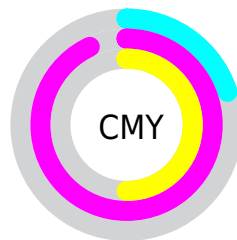
- Red (80%)
- Green (7%)
- Blue (50%)



- Red (80%)
- Yellow (7%)
- Blue (50%)



- Cyan (0%)
- Magenta (92%)
- Yellow (38%)
- Black (20%)




- Cyan (20%)
- Magenta (93%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.8660, 20.7721, 104.4805 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 85.8660, 20.7721, 104.4805 by changing the saturation by 10% instead.





 85.8660, 20.7721,  
104.4805


 85.8660, 20.7721,  
104.4805

255.0000, 0.0000,  
0.0000


 64.0670, 19.1940,  
97.2882

 151.4700, 14.5583,  
90.7958


 52.3610, 13.1330,  
81.2444


 172.1580, 17.6701,  
72.6524


 41.0680, 7.3615,  
65.7154


 193.0740, 21.6555,  
54.3091

 30.0030, 2.4635,  
49.9864

 212.1490, 21.1255,  
37.5803

 18.7810, -4.3290,  
35.2721

 229.7590, 12.4438,  
22.1364

 6.5780, -3.2430,  
13.5251

 247.3690, 3.7621,

 0.0000, 0.0000,

6.6924

0.0000

■ 85.8660, 20.7721,  
104.4805

■ 85.8660, 20.7721,  
104.4805

■ 75.0890, 22.6341,  
113.9319

■ 98.5180, 18.4786,  
93.3847

■ 111.8710, 16.3326,  
81.6741

■ 124.5230, 14.0392,  
70.5783

■ 137.8760, 11.8931,  
58.8677

■ 150.5280, 9.5997,  
47.7719

■ 163.7670, 7.0169,  
36.1613

■ 177.1200, 4.8708,  
24.4508

■ 189.7720, 2.5774,  
13.3550

■ 203.1250, 0.4314,  
1.6444

# Harmonies

## Analogous

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



107.6830, 38.1173, 47.6360



85.8660, 20.7721, 104.4805



86.1030, -8.9248, 109.5347

# Triad

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



85.8660, 20.7721, 104.4805



95.8770, -47.2674, -6.0311



100.1530, 51.1966, -87.8342

# Complementary

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



85.8660, 20.7721, 104.4805



136.1340, -20.7721, -104.4805

# 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.



95.8720, 27.1781, -84.0797



85.8660, 20.7721, 104.4805



76.9600, -30.0533, -67.4939

# Square

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



85.8660, 20.7721, 104.4805



101.7670, -50.1711, 38.7923



87.5160, 0.2386, -76.7515



97.2470, 65.4472, -85.2856



# Rectangle

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



85.8660, 20.7721, 104.4805



95.1520, -33.5989, 90.1977



87.5160, 0.2386, -76.7515



98.9160, 43.9184, -86.7493

# Sweetspot

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



85.8660, 20.7721, 104.4805



210.0170, 7.8796, 39.4501



60.8570, 71.0625, 27.3124



100.1200, 4.8708, 24.4508



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.



85.8660, 20.7721, 104.4805



93.4590, 28.3677, 141.6715



75.3780, -19.4134, 113.6785



95.6740, 1.1467, 5.5479



60.8060, 18.3366, 92.2551



13.9840, 4.4449, 21.0620



# Inverse Universe

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



85.8660, 20.7721, 104.4805



93.4590, 28.3677, 141.6715



146.6220, 19.4134, -113.6785



95.6740, 1.1467, 5.5479



60.8060, 18.3366, 92.2551



13.9840, 4.4449, 21.0620



# Previews

## White Background



This preview shows how the YUV color 85.8660, 20.7721, 104.4805 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 85.8660, 20.7721, 104.4805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

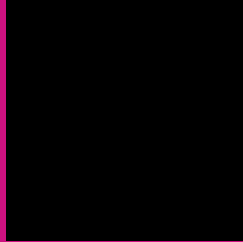
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 85.8660, 20.7721, 104.4805

## Background



This preview shows how black text looks on a background with the YUV color 85.8660, 20.7721, 104.4805.



This preview shows how white text looks on a background with the YUV color 85.8660, 20.7721,



# 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

85.8660, 20.7721, 104.4805

### Protanopia

107.1780, 36.8872, -24.7121

### Deuteranopia

110.1730, 4.3517, 4.2333



## Tritanopia

96.4800, -20.9426, 90.7870

# Trichromacy



## Original Color

85.8660, 20.7721, 104.4805

## Protanomaly

99.2810, 30.9205, 22.5556

## Deuteranomaly

101.5980, 10.0582, 40.6946

## Tritanomaly

92.5250, -5.6818, 96.0096

# Monochromacy



## Original Color

85.8660, 20.7721, 104.4805

## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

85.8920, 7.4482, 37.8057

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.8660, 20.7721, 104.4805 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(205, 17, 128)` looks like.

```
.text, #text, p{  
    color:rgb(205, 17, 128)  
}
```

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(205, 17, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 17, 128) }
```

## Border

The CSS property to change the border of an element to YUV 85.8660, 20.7721, 104.4805 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(205, 17, 128) }
```



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

```
.border{ border-color:rgb(205, 17, 128) }
```

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

Here you see how a box with a 4 pixel rgb(205, 17, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 17, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 17, 128);  
box-shadow:4px 4px 4px 4px rgb(205, 17,  
128) }
```

# Background

The CSS property to change the background color of an element to YUV 85.8660, 20.7721, 104.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 17, 128) }
```

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

```
.background{ background-color: rgb(205, 17,  
128) }
```

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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