

# Converting Colors

YUV(212.8090, 19.8142,  
-8.6025)

Have a look what the booklet for  
YUV(212.8090, 19.8142, -8.6025)  
contains.

<b>YUV(212.8090, 19.8142, -8.6025)</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(212.8090, 19.8142,  
-8.6025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>CBD2FD</code>
RGB	203, 210, 253
RGB Percent	80%, 82%, 99%
CMY	0.2039, 0.1765, 0.0078
CMYK	0.20, 0.17, 0.00, 0.01
HSL	232°, 93%, 89%
HSV	232°, 20%, 99%
XYZ	65.4048, 65.8815, 102.1977
YIQ	212.8090, -17.9750, 11.8890

# Conversions

## Conversions Part 2

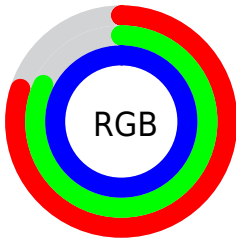
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	203, 209, 253
Decimal	13357821
CIE Lab	84.94, 6.36, -21.79
CIE LCh	85, 22.702, 286.269
Yxy	65.8815, 0.2801, 0.2822
Android (android.graphics.Color)	4291547901 (0xFFCBD2FD)
YUV	212.8090, 19.8142, -8.6025
Hunter-Lab	81.1674, 1.7925, -17.8347

# Details

The YUV color  $212.8090, 19.8142, -8.6025$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $243.1910, -19.8142, 8.6025$ , and the grayscale version is  $213.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, 0.0000, 0.0000$ , and  $158.1680, 18.6512, -8.9173$  is the 20% darker color. If you saturate the color by 10%, you get  $192.4200, 29.8659, -12.6463$ , and if you desaturate by 10%, it is  $233.1980, 9.7624, -4.5586$ .

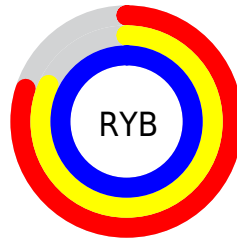
# Distribution



Red (80%)

Green (82%)

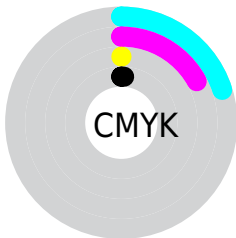
Blue (99%)



Red (80%)

Yellow (82%)

Blue (99%)

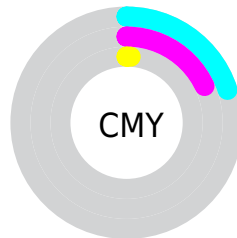


Cyan (20%)

Magenta (17%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (18%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 212.8090, 19.8142, -8.6025 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 212.8090, 19.8142, -8.6025 by changing the saturation by 10% instead.



■ 212.8090, 19.8142,  
-8.6025

■ 212.8090, 19.8142,  
-8.6025

255.0000, 0.0000,  
0.0000

■ 184.6950, 19.3774,  
-8.5025

■ 158.1680, 18.6512,  
-8.9173

■ 132.0540, 18.2144,  
-8.8174

■ 106.8260, 17.3408,  
-8.6174

■ 82.4130, 17.0514,  
-9.1322

■ 58.8860, 16.3252,  
-9.5470

■ 36.0600, 15.7464,

-10.5766

■ 14.3480, 15.6044,  
-11.7062

■ 3.4370, 10.6306,  
-3.0142

■ 212.8090, 19.8142,  
-8.6025

■ 212.8090, 19.8142,  
-8.6025

■ 192.4200, 29.8659,  
-12.6463

■ 233.1980, 9.7624,  
-4.5586

■ 171.7320, 40.0651,  
-17.3050

■ 253.8860, -0.4368,  
0.1000

■ 151.9300, 49.8275,  
-21.8636

■ 254.7720, -0.8736,  
0.2000

■ 131.5410, 59.8793,  
-25.9075

■ 110.8530, 70.0785,  
-30.5661

■ 90.4640, 80.1302,  
-34.6099

■ 70.6620, 89.8926,  
-39.1686

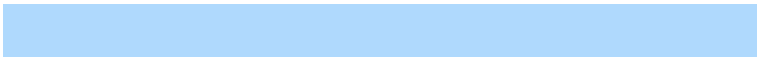
■ 50.2730, 99.9444,  
-43.2124

■ 49.3870, 100.3812,  
-43.3124

# Harmonies

## Analogous

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



208.5460, 21.9158, -29.4198



212.8090, 19.8142, -8.6025



215.5190, 13.0551, 12.6998

# Triad

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



212.8090, 19.8142, -8.6025



214.3820, -15.9643, 33.8680



204.9330, -1.9390, -31.5132

# Complementary

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



212.8090, 19.8142, -8.6025



243.1910, -19.8142, 8.6025

# 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.



207.2960, -12.4709, -13.4146



212.8090, 19.8142, -8.6025



212.1650, -20.2943, 22.6573

# Square

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



212.8090, 19.8142, -8.6025



214.7980, -6.8024, 35.2572



209.6960, -19.0771, 5.5286



203.2550, 9.7343, -42.3196



# Rectangle

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



212.8090, 19.8142, -8.6025



215.9890, 6.9074, 24.5656



209.6960, -19.0771, 5.5286



205.6410, -5.7390, -25.9952

# Sweetspot

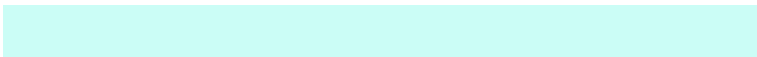
The Sweet Spot groups the original color and five complimentary colors.



212.8090, 19.8142, -8.6025



242.8840, 5.9732, -2.5293



237.2520, 4.3128, -30.0390



120.6130, 3.6418, -1.4146



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.



212.8090, 19.8142, -8.6025



205.6500, 24.3296, -10.2170



213.7830, 19.3340, 5.4523



117.6560, 5.0996, -2.3293



37.6230, 75.6149, -32.9954



12.5790, 25.3506, -11.0318



# Inverse Universe

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



218.7480, -4.3128, 30.0390



213.1510, -5.4974, 36.7016



241.9180, -19.1866, -6.0671



119.1150, -1.0427, 7.7921



60.1870, -16.3612, 114.7230



20.1620, -5.5029, 38.4459



# Previews

## White Background



This preview shows how the YUV color 212.8090, 19.8142, -8.6025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

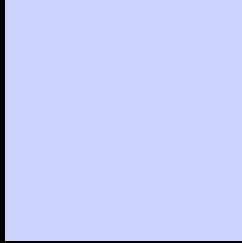
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 212.8090, 19.8142, -8.6025 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

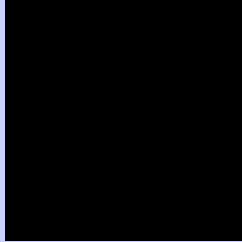
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 212.8090, 19.8142, -8.6025

## Background



This preview shows how black text looks on a background with the YUV color 212.8090, 19.8142, -8.6025.



This preview shows how white text looks on a background with the YUV color 212.8090, 19.8142, -8.6025.

-8.6025.

# 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

212.8090, 19.8142, -8.6025

### Protanopia

212.8090, 19.8142, -8.6025

### Deuteranopia

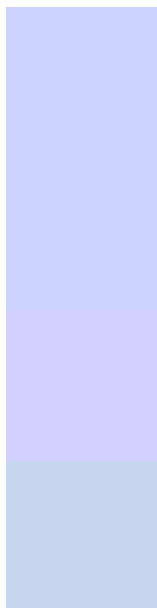
213.8530, 19.7925, -1.6251



## **Tritanopia**

211.4530, 9.6367, -10.9213

# Trichromacy



## Original Color

212.8090, 19.8142, -8.6025

## Protanomaly

212.8090, 19.8142, -8.6025

## Deuteranomaly

213.5430, 19.9453, -3.9842

## Tritanomaly

212.0770, 13.2730, -10.5915

# Monochromacy



## Original Color

212.8090, 19.8142, -8.6025

## Achromatopsia

213.0000, 0.0000, 0.0000

## Achromatomaly

212.9270, 7.4310, -3.4440

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 212.8090, 19.8142, -8.6025 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(203, 210, 253)` looks like.

```
.text, #text, p{  
    color:rgb(203, 210, 253)  
}
```

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(203, 210, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 210, 253) }
```

## Border

The CSS property to change the border of an element to YUV 212.8090, 19.8142, -8.6025 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(203, 210, 253) }
```



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

```
.border{ border-color:rgb(203, 210, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 210, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 210, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 210, 253); box-shadow:4px 4px 4px 4px rgb(203, 210, 253) }
```

# Background

The CSS property to change the background color of an element to YUV 212.8090, 19.8142, -8.6025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 210, 253) }
```

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

```
.background{ background-color: rgb(203,  
210, 253) }
```

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