

# Converting Colors

YUV(112.1990, 49.2019,  
85.7715)

Have a look what the booklet for  
YUV(112.1990, 49.2019, 85.7715)  
contains.

<b>YUV(112.1990, 49.2019, 85.7715)</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> .....	30

# Color

**YUV(112.1990, 49.2019,  
85.7715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D22BD4
RGB	210, 43, 212
RGB Percent	82%, 17%, 83%
CMY	0.1765, 0.8314, 0.1686
CMYK	0.01, 0.80, 0.00, 0.17
HSL	299°, 66%, 50%
HSV	299°, 80%, 83%
XYZ	39.3259, 20.1829, 64.1103
YIQ	112.1990, 45.2830, 87.9630

# Conversions

## Conversions Part 2

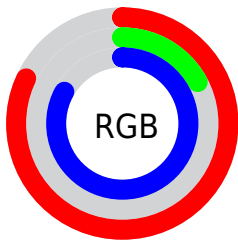
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">210, 43, 212</a>
Decimal	<a href="#">13773780</a>
CIELab	<a href="#">52.04, 79.29, -50.31</a>
CIELCh	<a href="#">52, 93.904, 327.602</a>
Yxy	<a href="#">20.1829, 0.3181, 0.1633</a>
Android (android.graphics.Color)	<a href="#">4291963860 (0xFFD22BD4)</a>
YUV	<a href="#">112.1990, 49.2019, 85.7715</a>
Hunter-Lab	<a href="#">44.9253, 77.6326, -53.1616</a>

# Details

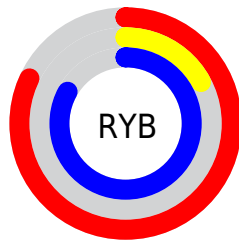
The YUV color **112.1990, 49.2019, 85.7715** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **142.8010, -49.2019, -85.7715**, and the grayscale version is **112.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.8850, 41.9617, 74.6459**, and **63.0470, 46.3188, 77.1348** is the 20% darker color. If you saturate the color by 10%, you get **99.8720, 55.2791, 96.5823**, and if you desaturate by 10%, it is **124.5260, 43.1247, 74.9607**.

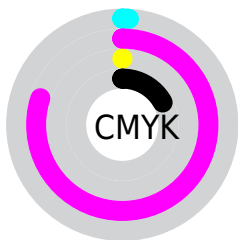
# Distribution



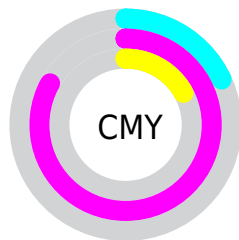
- Red (82%)
- Green (17%)
- Blue (83%)



- Red (82%)
- Yellow (17%)
- Blue (83%)



- Cyan (1%)
- Magenta (80%)
- Yellow (0%)
- Black (17%)



- Cyan (18%)
- Magenta (83%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 112.1990, 49.2019, 85.7715 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 112.1990, 49.2019, 85.7715 by changing the saturation by 10% instead.



112.1990, 49.2019,  
85.7715

112.1990, 49.2019,  
85.7715

255.0000, 0.0000,  
0.0000

74.7960, 53.8376,  
92.2639

169.8850, 41.9617,  
74.6459

63.0470, 46.3188,  
77.1348

187.4950, 33.2800,  
59.2019

51.2980, 38.8001,  
62.0057

204.5180, 24.8876,  
44.2727

39.9620, 31.5707,  
47.3913

222.1280, 16.2059,  
28.8287

29.0390, 24.6308,  
33.2918

239.7380, 7.5242,  
13.3848

17.3330, 18.5698,  
17.2480

3.7620, 14.4143,

-3.2993

■ 0.5700, 2.1840,  
-0.4999

■ 0.0000, 0.0000,  
0.0000

■ 112.1990, 49.2019,  
85.7715

■ 112.1990, 49.2019,  
85.7715

■ 99.8720, 55.2791,  
96.5823

■ 124.5260, 43.1247,  
74.9607

■ 87.2460, 61.5037,  
106.7783

■ 137.1520, 36.9001,  
64.7647

■ 86.6590, 61.7931,  
107.2931

■ 150.0660, 30.5335,  
53.4391

■ 162.3930, 24.4563,  
42.6283

174.7200, 18.3790,  
31.8176

187.3460, 12.1544,  
21.6216

199.6730, 6.0772,  
10.8108

212.5870, -0.2894,  
-0.5148

224.9140, -6.3666,  
-11.3256

# Harmonies

## Analogous

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



115.2230, 68.9101, -29.1366



112.1990, 49.2019, 85.7715



91.5210, 20.9421, 143.3711

# Triad

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



112.1990, 49.2019, 85.7715



116.7960, -57.5804, 35.2589



114.0300, 40.9042, -100.0043

# Complementary

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



112.1990, 49.2019, 85.7715



142.8010, -49.2019, -85.7715

# 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.



104.0950, 5.3762, -91.2913



112.1990, 49.2019, 85.7715



104.9040, -51.7177, -25.3488

# Square

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



112.1990, 49.2019, 85.7715



111.5440, -54.9912, 91.6079



90.6890, -35.8357, -79.5343



118.2940, 67.3961, -103.7438



# Rectangle

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



112.1990, 49.2019, 85.7715



85.5930, -1.7713, 148.5699



90.6890, -35.8357, -79.5343



111.0660, 29.5475, -97.4049

# Sweetspot

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



112.1990, 49.2019, 85.7715



218.8940, 17.8003, 30.7880



64.0270, 72.9507, -18.4407



105.9820, 10.8549, 18.4328



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.



112.1990, 49.2019, 85.7715



110.2880, 71.3430, 124.2814



103.4490, 13.0896, 95.1992



100.5430, 3.1833, 5.6628



70.0250, 49.7807, 86.8011



17.7590, 12.4438, 22.1364



# Inverse Universe

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



93.7590, -24.0382, 103.6974



83.5970, -34.8043, 150.3204



151.5510, -13.0896, -95.1992



99.4030, -1.1847, 6.6626



51.3570, -24.3330, 104.9269



12.9710, -5.9017, 26.3354



# Previews

## White Background



This preview shows how the YUV color 112.1990, 49.2019, 85.7715 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

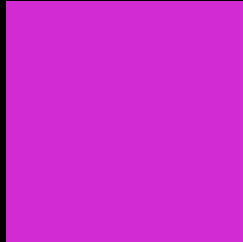
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 112.1990, 49.2019, 85.7715 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

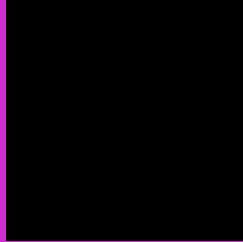
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 112.1990, 49.2019, 85.7715

## Background



This preview shows how black text looks on a background with the YUV color 112.1990, 49.2019, 85.7715.



This preview shows how white text looks on a background with the YUV color 112.1990, 49.2019, 85.7715.



# 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

112.1990, 49.2019, 85.7715

### Deuteranopia

120.0950, 39.3932, -35.1633

### Tritanopia

122.7910, -12.7150, 65.0813

# Trichromacy



## Original Color

112.1990, 49.2019, 85.7715

## Deuteranomaly

116.9940, 42.8940, 8.7753

## Tritanomaly

119.0950, 9.8132, 72.7077

# Monochromacy



## Original Color

112.1990, 49.2019, 85.7715

## Achromatopsia

112.0000, 0.0000, 0.0000

## Achromatomaly

112.1930, 17.6529, 31.4027

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 112.1990, 49.2019, 85.7715 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(210, 43, 212)` looks like.

```
.text, #text, p{  
    color:rgb(210, 43, 212)  
}
```

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(210, 43, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 43, 212) }
```

## Border

The CSS property to change the border of an element to YUV 112.1990, 49.2019, 85.7715 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(210, 43, 212) }
```

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

```
.border{ border-color:rgb(210, 43, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 43, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 43, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 43, 212);  
box-shadow:4px 4px 4px 4px rgb(210, 43,  
212) }
```



# Background

The CSS property to change the background color of an element to YUV 112.1990, 49.2019, 85.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 43, 212) }
```

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

```
.background{ background-color: rgb(210, 43,  
212) }
```

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