

# Converting Colors

YUV(82.1870, 57.5888,  
102.4450)

Have a look what the booklet for  
YUV(82.1870, 57.5888, 102.4450)  
contains.

<b>YUV(82.1870, 57.5888, 102.4450)</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(82.1870, 57.5888,  
102.4450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C700C7
RGB	199, 0, 199
RGB Percent	78%, 0%, 78%
CMY	0.2196, 1.0000, 0.2196
CMYK	0.00, 1.00, 0.00, 0.22
HSL	300°, 100%, 39%
HSV	300°, 100%, 78%
XYZ	33.8620, 16.2656, 55.3877
YIQ	82.1870, 54.7250, 104.0770

# Conversions

## Conversions Part 2

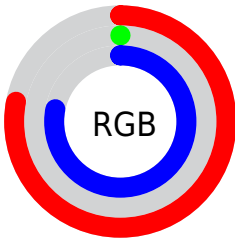
Format	Color
R <sub>Y</sub> B	199, 0, 199
Decimal	13041863
CIE Lab	47.32, 81.52, -50.48
CIE LCh	47, 95.884, 328.233
Yxy	16.2656, 0.3209, 0.1542
Android (android.graphics.Color)	4291231943 (0xFFC700C7)
YUV	82.1870, 57.5888, 102.4450
Hunter-Lab	40.3307, 79.2915, -53.1938

# Details

The YUV color **82.1870, 57.5888, 102.4450** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **116.8130, -57.5888, -102.4450**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **159.3190, 47.1707, 83.9122**, and **58.2760, 42.2619, 71.6719** is the 20% darker color. If you saturate the color by 10%, you get **82.1870, 57.5888, 102.4450**, and if you desaturate by 10%, it is **93.9270, 51.8010, 92.1490**.

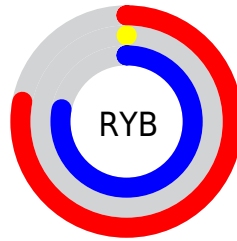
# Distribution



Red (78%)

Green (0%)

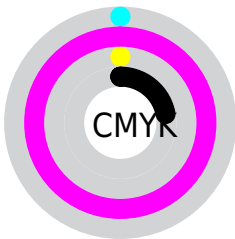
Blue (78%)



Red (78%)

Yellow (0%)

Blue (78%)

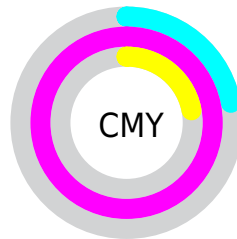


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (100%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 82.1870, 57.5888, 102.4450 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 82.1870, 57.5888, 102.4450 by changing the saturation by 10% instead.





 82.1870, 57.5888,  
102.4450


 82.1870, 57.5888,  
102.4450


255.0000, 0.0000,  
0.0000


 70.0250, 49.7807,  
86.8011


 159.3190, 47.1707,  
83.9122


 58.2760, 42.2619,  
71.6719


 176.9290, 38.4890,  
68.4683


 46.6410, 35.1800,  
56.4428


 194.5390, 29.8073,  
53.0243

 35.3050, 27.9506,  
41.8285

 212.1490, 21.1255,  
37.5803

 24.4960, 21.4475,  
27.6290

 229.7590, 12.4438,  
22.1364

 12.3060, 16.1181,  
10.2556

 247.3690, 3.7621,

 3.2090, 9.7570,

6.6924

-2.8143

■ 0.0000, 0.0000,  
0.0000

■ 82.1870, 57.5888,  
102.4450

■ 93.9270, 51.8010,  
92.1490

■ 105.6670, 46.0132,  
81.8530

■ 117.4070, 40.2253,  
71.5571

■ 129.1470, 34.4375,  
61.2611

■ 140.8870, 28.6497,  
50.9651

■ 152.0400, 23.1513,  
41.1839

■ 163.7800, 17.3635,  
30.8879

■ 175.5200, 11.5756,  
20.5920

■ 187.2600, 5.7878,  
10.2960

# Harmonies

## Analogous

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



102.7970, 75.0361, -34.0250



82.1870, 57.5888, 102.4450



86.1520, 17.1801, 136.6787

# Triad

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



82.1870, 57.5888, 102.4450



105.5550, -52.0386, 31.0853



105.3730, 40.7351, -92.4121

# Complementary

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



82.1870, 57.5888, 102.4450



116.8130, -57.5888, -102.4450

# 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.



95.3240, 4.7703, -83.5991



82.1870, 57.5888, 102.4450



92.7660, -45.7336, -31.3668

# Square

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



82.1870, 57.5888, 102.4450



99.4280, -49.0180, 89.0786



81.0060, -39.9360, -71.0423



110.9080, 69.5584, -97.2663



# Rectangle

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



82.1870, 57.5888, 102.4450



80.7080, -6.2650, 143.2071



81.0060, -39.9360, -71.0423



102.2950, 28.9416, -89.7127

# Sweetspot

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



82.1870, 57.5888, 102.4450



210.3880, 21.9937, 39.1247



22.6860, 86.9228, -19.8956



100.9980, 13.3120, 23.6808



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.



82.1870, 57.5888, 102.4450



105.3150, 73.7947, 131.2737



70.9010, 14.3458, 112.3428



93.7170, 2.6045, 4.6332



67.3190, 47.1707, 83.9122



14.8680, 10.4181, 18.5328



# Inverse Universe

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



82.1870, 57.5888, 102.4450



105.3150, 73.7947, 131.2737



128.2130, -13.9090, -112.4428



93.7170, 2.6045, 4.6332



67.3190, 47.1707, 83.9122



14.8680, 10.4181, 18.5328



# Previews

## White Background



This preview shows how the YUV color 82.1870, 57.5888, 102.4450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

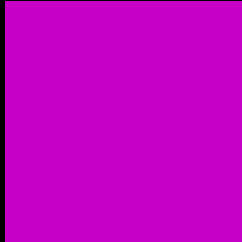
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 82.1870, 57.5888, 102.4450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

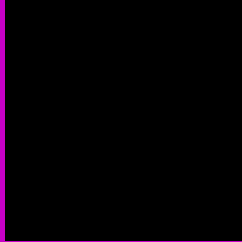
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 82.1870, 57.5888, 102.4450

## Background



This preview shows how black text looks on a background with the YUV color 82.1870, 57.5888, 102.4450.



This preview shows how white text looks on a background with the YUV color 82.1870, 57.5888,



# 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



### Protanopia

91.1320, 69.9409, -79.9228

### Deuteranopia

109.1550, 38.3776, -36.0929

### Tritanopia

110.8620, -13.7360, 65.8960

# Trichromacy



## Protanomaly

87.8120, 65.6617, -13.8671

## Deuteranomaly

99.3090, 45.2037, 14.6380

## Tritanomaly

100.7090, 11.9755, 79.1852

# Monochromacy



## Achromatopsia

82.0000, 0.0000, 0.0000

## Achromatomaly

82.1490, 21.1255, 37.5803

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 82.1870, 57.5888, 102.4450 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(199, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 199)  
}
```

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(199, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 199) }
```

## Border

The CSS property to change the border of an element to YUV 82.1870, 57.5888, 102.4450 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(199, 0, 199) }
```

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

```
.border{ border-color:rgb(199, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
199) }
```



# Background

The CSS property to change the background color of an element to YUV 82.1870, 57.5888, 102.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 199) }
```

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

```
.background{ background-color: rgb(199, 0,  
199) }
```

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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