

# Converting Colors

YUV(82.8190, 8.4702, 83.4737)

Have a look what the booklet for  
YUV(82.8190, 8.4702, 83.4737)  
contains.

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# Color

**YUV(82.8190, 8.4702,  
83.4737)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B21F64
RGB	178, 31, 100
RGB Percent	70%, 12%, 39%
CMY	0.3020, 0.8784, 0.6078
CMYK	0.00, 0.83, 0.44, 0.30
HSL	332°, 70%, 41%
HSV	332°, 83%, 70%
XYZ	21.1503, 11.3651, 13.1355
YIQ	82.8190, 65.4630, 52.6230

# Conversions

## Conversions Part 2

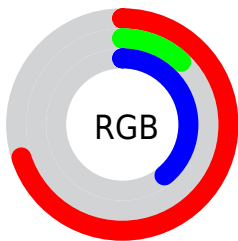
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 31, 100
Decimal	11673444
CIE Lab	40.19, 60.80, -1.95
CIE LCh	40, 60.830, 358.166
Yxy	11.3651, 0.4633, 0.2490
Android (android.graphics.Color)	4289863524 (0xFFB21F64)
YUV	82.8190, 8.4702, 83.4737
Hunter-Lab	33.7121, 52.9914, 0.4968

# Details

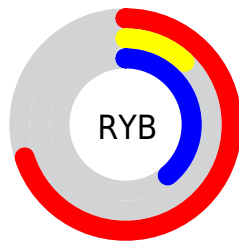
The YUV color **82.8190, 8.4702, 83.4737** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **126.1810, -8.4702, -83.4737**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.9670, 3.9603, 83.3439**, and **42.0360, 5.8983, 68.3744** is the 20% darker color. If you saturate the color by 10%, you get **71.2270, 9.7481, 93.6399**, and if you desaturate by 10%, it is **94.4110, 7.1924, 73.3076**.

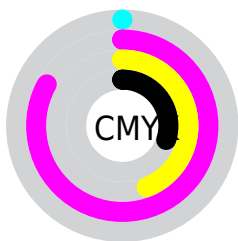
# Distribution



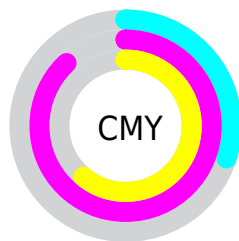
- Red (70%)
- Green (12%)
- Blue (39%)



- Red (70%)
- Yellow (12%)
- Blue (39%)



- Cyan (0%)
- Magenta (83%)
- Yellow (44%)
- Black (30%)




- Cyan (30%)
- Magenta (88%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 82.8190, 8.4702, 83.4737 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 82.8190, 8.4702, 83.4737 by changing the saturation by 10% instead.




 82.8190, 8.4702,  
83.4737

 82.8190, 8.4702,  
83.4737


255.0000, 0.0000,  
0.0000

 53.2150, 11.2330,  
84.0034


 142.9670, 3.9603,  
83.3439


 42.0360, 5.8983,  
68.3744


 168.0370, 4.4188,  
76.2666


 30.9710, 1.0003,  
52.6454


 187.6650, 8.5462,  
59.0528

 20.6460, -6.2345,  
39.7755

 207.2930, 12.6736,  
41.8390

 9.6820, -4.2802,  
19.5729

 226.8240, 13.8908,  
24.7104

 0.0000, 0.0000,  
0.0000

 244.4340, 5.2090,

9.2664

■ 82.8190, 8.4702,  
83.4737

■ 82.8190, 8.4702,  
83.4737

■ 71.2270, 9.7481,  
93.6399

■ 94.4110, 7.1924,  
73.3076

■ 62.7980, 10.4526,  
101.0322

■ 106.1170, 6.3513,  
63.0414

■ 117.1220, 5.3629,  
53.3900

■ 128.8280, 4.5218,  
43.1238

■ 140.4200, 3.2439,  
32.9577

■ 152.1260, 2.4029,  
22.6915

■ 163.7180, 1.1250,  
12.5253

■ 174.8370, 0.5734,  
2.7740

■ 186.4290, -0.7045,  
-7.3922

# Harmonies

## Analogous

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



94.0070, 26.6185, 49.1059



82.8190, 8.4702, 83.4737



83.9780, -16.2582, 81.5803

# Triad

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



82.8190, 8.4702, 83.4737



82.2660, -40.5571, -11.6343



86.1500, 45.7750, -75.5536

# Complementary

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



82.8190, 8.4702, 83.4737



126.1810, -8.4702, -83.4737

# 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.



84.1660, 28.0192, -73.8136



82.8190, 8.4702, 83.4737



70.5490, -16.5397, -61.8715

# Square

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



82.8190, 8.4702, 83.4737



89.2860, -44.0180, 25.1822



78.3520, 5.7425, -68.7147



82.1040, 55.6577, -72.0052



# Rectangle

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



82.8190, 8.4702, 83.4737



86.8950, -33.9652, 67.6211



78.3520, 5.7425, -68.7147



86.0700, 40.3915, -75.4834

# Sweetspot

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



82.8190, 8.4702, 83.4737



194.4200, 3.2439, 32.9577



70.4820, 53.0064, 32.0263



94.4030, 2.2663, 19.8176



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8190, 8.4702, 83.4737



83.0820, 13.2706, 130.6011



76.1270, -22.2476, 89.3426



83.2610, 0.8573, 5.0331



53.9550, 8.8962, 86.8625



9.1420, 1.4090, 14.7845



# Inverse Universe

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



82.8190, 8.4702, 83.4737



83.0820, 13.2706, 130.6011



132.8730, 22.2476, -89.3426



83.2610, 0.8573, 5.0331



53.9550, 8.8962, 86.8625



9.1420, 1.4090, 14.7845



# Previews

## White Background



This preview shows how the YUV color 82.8190, 8.4702, 83.4737 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 82.8190, 8.4702, 83.4737 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

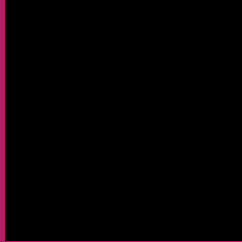
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 82.8190, 8.4702, 83.4737

## Background



This preview shows how black text looks on a background with the YUV color 82.8190, 8.4702, 83.4737.



This preview shows how white text looks on a background with the YUV color 82.8190, 8.4702, 83.4737.



# 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

82.8190, 8.4702, 83.4737

### Protanopia

96.0150, 20.6986, -12.2912

### Deuteranopia

96.8870, -1.9163, 7.9921



## Tritanopia

86.0870, -18.2839, 77.9767

# Trichromacy



## Original Color

82.8190, 8.4702, 83.4737

## Protanomaly

91.3830, 16.0802, 22.4661

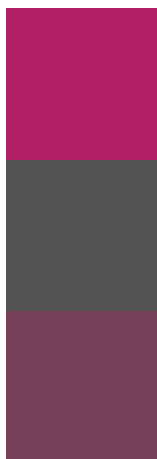
## Deuteranomaly

91.5020, 2.2175, 35.5167

## Tritanomaly

85.0300, -8.3958, 79.7807

# Monochromacy



## Original Color

82.8190, 8.4702, 83.4737

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

82.9960, 2.9600, 30.6985

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 82.8190, 8.4702, 83.4737 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(178, 31, 100)` looks like.

```
.text, #text, p{  
    color:rgb(178, 31, 100)  
}
```

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(178, 31, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 31, 100) }
```

## Border

The CSS property to change the border of an element to YUV 82.8190, 8.4702, 83.4737 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(178, 31, 100) }
```



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

```
.border{ border-color:rgb(178, 31, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 31, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 31, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 31, 100); box-shadow:4px 4px 4px 4px rgb(178, 31, 100) }
```

# Background

The CSS property to change the background color of an element to YUV 82.8190, 8.4702, 83.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 31, 100) }
```

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

```
.background{ background-color: rgb(178, 31,  
100) }
```

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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