

# Converting Colors

YUV(84.5300, 13.5427, 89.8662)

Have a look what the booklet for  
YUV(84.5300, 13.5427, 89.8662)  
contains.

<b>YUV(84.5300, 13.5427, 89.8662)</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(84.5300, 13.5427,  
89.8662)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB1B70
RGB	187, 27, 112
RGB Percent	73%, 11%, 44%
CMY	0.2667, 0.8941, 0.5608
CMYK	0.00, 0.86, 0.40, 0.27
HSL	328°, 75%, 42%
HSV	328°, 86%, 73%
XYZ	23.8101, 12.5185, 16.4906
YIQ	84.5300, 68.0750, 60.3550

# Conversions

## Conversions Part 2

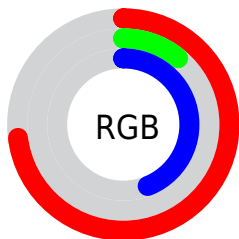
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 27, 112
Decimal	12262256
CIELab	42.03, 65.07, -6.56
CIElCh	42, 65.400, 354.245
Yxy	12.5185, 0.4508, 0.2370
Android (android.graphics.Color)	4290452336 (0xFFBB1B70)
YUV	84.5300, 13.5427, 89.8662
Hunter-Lab	35.3815, 58.2044, -2.8668

# Details

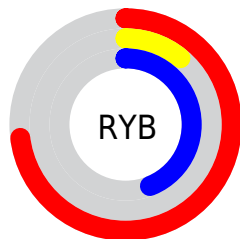
The YUV color **84.5300, 13.5427, 89.8662** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **129.4700, -13.5427, -89.8662**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.4390, 8.1646, 88.1920**, and **45.5680, 9.0870, 72.2929** is the 20% darker color. If you saturate the color by 10%, you get **72.3510, 15.1100, 100.5472**, and if you desaturate by 10%, it is **96.7090, 11.9755, 79.1852**.

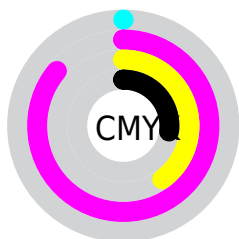
# Distribution



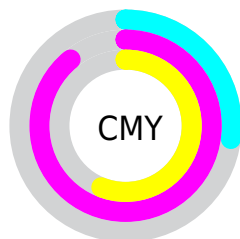
- Red (73%)
- Green (11%)
- Blue (44%)



- Red (73%)
- Yellow (11%)
- Blue (44%)



- Cyan (0%)
- Magenta (86%)
- Yellow (40%)
- Black (27%)




- Cyan (27%)
- Magenta (89%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 84.5300, 13.5427, 89.8662 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 84.5300, 13.5427, 89.8662 by changing the saturation by 10% instead.




 84.5300, 13.5427,  
89.8662


 84.5300, 13.5427,  
89.8662

255.0000, 0.0000,  
0.0000

 56.9750, 15.2953,  
87.7219


 147.4390, 8.1646,  
88.1920


 45.5680, 9.0870,  
72.2929


 169.6330, 10.5339,  
74.8669


 34.3890, 3.7522,  
56.6638

 189.7340, 13.9351,  
57.2383

 24.0360, -1.0037,  
42.0644

 210.0630, 18.2099,  
39.4097

 12.9710, -5.9017,  
26.3354

 227.9980, 13.3120,  
23.6808

 0.0000, 0.0000,  
0.0000

 245.0210, 4.9196,

8.7516

■ 84.5300, 13.5427,  
89.8662

■ 84.5300, 13.5427,  
89.8662

■ 72.3510, 15.1100,  
100.5472

■ 96.7090, 11.9755,  
79.1852

■ 67.1990, 15.6779,  
105.0655

■ 108.3010, 10.6976,  
69.0190

■ 120.3660, 8.6936,  
58.4380

■ 132.5450, 7.1263,  
47.7570

■ 144.1370, 5.8485,  
37.5909

■ 156.3160, 4.2812,  
26.9099

■ 168.3810, 2.2772,  
16.3289

■ 180.5600, 0.7099,  
5.6479

■ 192.1520, -0.5679,  
-4.5183

# Harmonies

## Analogous

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



98.6630, 31.7181, 46.7765



84.5300, 13.5427, 89.8662



85.2550, -12.9437, 91.8614

# Triad

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



84.5300, 13.5427, 89.8662



87.6040, -43.1888, -7.5457



91.1710, 47.2437, -79.9570

# Complementary

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



84.5300, 13.5427, 89.8662



129.4700, -13.5427, -89.8662

# 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.



87.8020, 26.7196, -77.0024



84.5300, 13.5427, 89.8662



72.4580, -21.9178, -63.5457

# Square

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



84.5300, 13.5427, 89.8662



93.4610, -46.0763, 32.0447



80.9450, 2.9851, -70.9888



87.6950, 59.3104, -76.9085



# Rectangle

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



84.5300, 13.5427, 89.8662



89.5910, -32.8294, 76.6577



80.9450, 2.9851, -70.9888



90.8630, 40.9865, -79.6869

# Sweetspot

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



84.5300, 13.5427, 89.8662



201.7130, 5.5645, 35.3317



67.6650, 58.8322, 30.1118



97.7560, 3.5713, 21.2620



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



84.5300, 13.5427, 89.8662



87.0640, 20.6744, 135.8789



75.4100, -21.4011, 97.8644



88.2610, 0.8573, 5.0331



56.8180, 13.4007, 88.7366



11.0930, 2.4192, 17.4584



# Inverse Universe

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



84.5300, 13.5427, 89.8662



87.0640, 20.6744, 135.8789



138.5900, 21.4011, -97.8644



88.2610, 0.8573, 5.0331



56.8180, 13.4007, 88.7366



11.0930, 2.4192, 17.4584



# Previews

## White Background



This preview shows how the YUV color 84.5300, 13.5427, 89.8662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

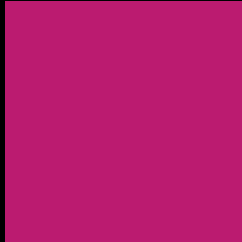
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 84.5300, 13.5427, 89.8662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

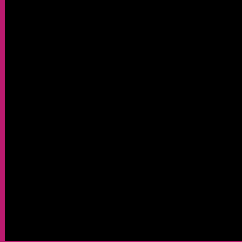
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 84.5300, 13.5427, 89.8662

## Background



This preview shows how black text looks on a background with the YUV color 84.5300, 13.5427, 89.8662.



This preview shows how white text looks on a background with the YUV color 84.5300, 13.5427,



# 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

84.5300, 13.5427, 89.8662

### Protanopia

99.8170, 27.6982, -17.3795

### Deuteranopia

101.0870, 1.4361, 6.0627



## Tritanopia

89.9950, -18.7315, 81.5654

# Trichromacy



## Original Color

84.5300, 13.5427, 89.8662

## Protanomaly

94.3920, 22.4847, 21.5812

## Deuteranomaly

95.4250, 5.7065, 36.4613

## Tritanomaly

88.1060, -6.9543, 84.0990

# Monochromacy



## Original Color

84.5300, 13.5427, 89.8662

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

84.8760, 4.9911, 32.5577

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.5300, 13.5427, 89.8662 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(187, 27, 112)` looks like.

```
.text, #text, p{  
    color:rgb(187, 27, 112)  
}
```

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(187, 27, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 27, 112) }
```

## Border

The CSS property to change the border of an element to YUV 84.5300, 13.5427, 89.8662 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(187, 27, 112) }
```



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

```
.border{ border-color:rgb(187, 27, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 27, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 27, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 27, 112);  
box-shadow:4px 4px 4px 4px rgb(187, 27,  
112) }
```

# Background

The CSS property to change the background color of an element to YUV 84.5300, 13.5427, 89.8662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 27, 112) }
```

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

```
.background{ background-color: rgb(187, 27,  
112) }
```

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**