

# Converting Colors

YUV(96.1790, 19.1388, 68.2490)

Have a look what the booklet for  
YUV(96.1790, 19.1388, 68.2490)  
contains.

<b>YUV(96.1790, 19.1388, 68.2490)</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(96.1790, 19.1388,  
68.2490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE3187
RGB	174, 49, 135
RGB Percent	68%, 19%, 53%
CMY	0.3176, 0.8078, 0.4706
CMYK	0.00, 0.72, 0.22, 0.32
HSL	319°, 56%, 44%
HSV	319°, 72%, 68%
XYZ	22.9270, 12.9446, 24.2118
YIQ	96.1790, 46.8940, 53.2460

# Conversions

## Conversions Part 2

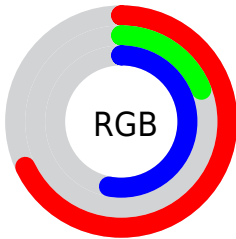
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 49, 135
Decimal	11415943
CIE <sub>Lab</sub>	42.68, 58.32, -20.00
CIE <sub>LCh</sub>	43, 61.651, 341.075
Yxy	12.9446, 0.3816, 0.2154
Android (android.graphics.Color)	4289606023 (0xFFAE3187)
YUV	96.1790, 19.1388, 68.2490
Hunter-Lab	35.9786, 50.7852, -14.7143

# Details

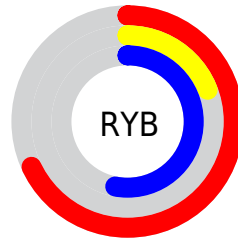
The YUV color **96.1790, 19.1388, 68.2490** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **126.8210, -19.1388, -68.2490**, and the grayscale version is **96.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.3210, 17.0967, 69.8785**, and **44.9720, 19.7338, 64.0456** is the 20% darker color. If you saturate the color by 10%, you get **85.6300, 21.8744, 77.5005**, and if you desaturate by 10%, it is **106.7280, 16.4031, 58.9975**.

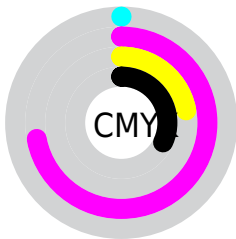
# Distribution



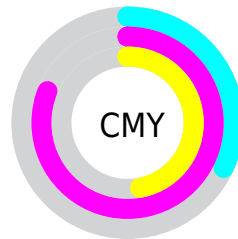
- Red (68%)
- Green (19%)
- Blue (53%)



- Red (68%)
- Yellow (19%)
- Blue (53%)



- Cyan (0%)
- Magenta (72%)
- Yellow (22%)
- Black (32%)




- Cyan (32%)
- Magenta (81%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 96.1790, 19.1388, 68.2490 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 96.1790, 19.1388, 68.2490 by changing the saturation by 10% instead.





 96.1790, 19.1388,  
68.2490


 96.1790, 19.1388,  
68.2490


255.0000, 0.0000,  
0.0000


 62.0640, 23.6324,  
73.6119


 153.3210, 17.0967,  
69.8785

 44.9720, 19.7338,  
64.0456


 179.5270, 17.9812,  
66.1898


 33.9780, 13.8148,  
49.1313

 199.2690, 22.5454,  
48.8761

 23.6960, 8.0379,  
35.3466

 216.8450, 18.8104,  
33.4619

 13.0010, 1.9715,  
21.0471

 233.8680, 10.4181,  
18.5328

 0.0000, 0.0000,  
0.0000

 251.4780, 1.7363,

3.0888

■ 96.1790, 19.1388,  
68.2490

■ 96.1790, 19.1388,  
68.2490

■ 85.6300, 21.8744,  
77.5005

■ 106.7280, 16.4031,  
58.9975

■ 74.3800, 24.4627,  
87.3667

■ 117.9780, 13.8148,  
49.1313

■ 65.7060, 26.7669,  
94.9738

■ 128.5270, 11.0792,  
39.8798

■ 139.7770, 8.4909,  
30.0136

■ 150.3260, 5.7553,  
20.7621

■ 160.9890, 3.4564,  
11.4106

■ 172.1250, 0.4314,  
1.6444

■ 182.6740, -2.3043,  
-7.6071

■ 193.9240, -4.8925,  
-17.4733

# Harmonies

## Analogous

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



102.8660, 37.0411, 19.4115



96.1790, 19.1388, 68.2490



88.9800, -2.4551, 87.7175

# Triad

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



96.1790, 19.1388, 68.2490



93.0300, -45.8638, 10.4977



90.6520, 37.6396, -79.5018

# Complementary

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



96.1790, 19.1388, 68.2490



126.8210, -19.1388, -68.2490

# 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.



85.7670, 16.3839, -75.2177



96.1790, 19.1388, 68.2490



82.0030, -38.4555, -32.4516

# Square

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



96.1790, 19.1388, 68.2490



94.7340, -46.7039, 46.7143



78.5510, -6.1876, -68.8892



90.0770, 53.2060, -78.9975



# Rectangle

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



96.1790, 19.1388, 68.2490



91.6530, -20.0419, 81.8653



78.5510, -6.1876, -68.8892



89.5290, 30.7982, -78.5169

# Sweetspot

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



96.1790, 19.1388, 68.2490



195.8260, 7.4808, 27.3396



74.3130, 49.1457, 10.2495



96.2500, 4.3137, 16.4438



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



96.1790, 19.1388, 68.2490



105.5810, 29.7866, 106.4845



89.2250, -7.5059, 74.3477



81.3750, 1.2941, 4.9331



56.7060, 23.3159, 81.8188



8.7010, 3.5984, 12.5402



# Inverse Universe

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



96.1790, 19.1388, 68.2490



105.5810, 29.7866, 106.4845



133.7750, 7.5059, -74.3477



81.3750, 1.2941, 4.9331



56.7060, 23.3159, 81.8188



8.7010, 3.5984, 12.5402



# Previews

## White Background



This preview shows how the YUV color 96.1790, 19.1388, 68.2490 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 96.1790, 19.1388, 68.2490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

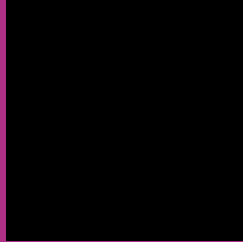
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 96.1790, 19.1388, 68.2490

## Background



This preview shows how black text looks on a background with the YUV color 96.1790, 19.1388, 68.2490.



This preview shows how white text looks on a background with the YUV color 96.1790, 19.1388,



# 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

96.1790, 19.1388, 68.2490

### Protanopia

98.5800, 37.1821, -25.9417

### Deuteranopia

102.5940, 12.5252, -4.0289



## Tritanopia

98.6550, -13.1409, 61.6926

# Trichromacy



## Original Color

96.1790, 19.1388, 68.2490

## Protanomaly

97.7800, 30.6745, 8.0859

## Deuteranomaly

100.1550, 15.2066, 22.6661

## Tritanomaly

97.7660, -1.3636, 64.2262

# Monochromacy



## Original Color

96.1790, 19.1388, 68.2490

## Achromatopsia

96.0000, 0.0000, 0.0000

## Achromatomaly

95.9890, 6.9074, 24.5656

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 96.1790, 19.1388, 68.2490 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(174, 49, 135)` looks like.

```
.text, #text, p{  
    color:rgb(174, 49, 135)  
}
```

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(174, 49, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 49, 135) }
```

## Border

The CSS property to change the border of an element to YUV 96.1790, 19.1388, 68.2490 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(174, 49, 135) }
```



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

```
.border{ border-color:rgb(174, 49, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 49, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 49, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 49, 135);  
box-shadow:4px 4px 4px 4px rgb(174, 49,  
135) }
```

# Background

The CSS property to change the background color of an element to YUV 96.1790, 19.1388, 68.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 49, 135) }
```

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

```
.background{ background-color: rgb(174, 49,  
135) }
```

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