

# Converting Colors

YUV(111.7490, 21.3227,  
67.7491)

Have a look what the booklet for  
YUV(111.7490, 21.3227, 67.7491)  
contains.

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# Color

**YUV(111.7490, 21.3227,  
67.7491)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD409B
RGB	189, 64, 155
RGB Percent	74%, 25%, 61%
CMY	0.2588, 0.7490, 0.3922
CMYK	0.00, 0.66, 0.18, 0.26
HSL	316°, 49%, 50%
HSV	316°, 66%, 74%
XYZ	28.7361, 16.8522, 32.7486
YIQ	111.7490, 45.2890, 54.8010

# Conversions

## Conversions Part 2

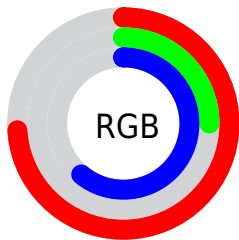
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 64, 155
Decimal	12402843
CIE <sub>Lab</sub>	48.07, 59.41, -23.53
CIE <sub>LCh</sub>	48, 63.895, 338.392
Yxy	16.8522, 0.3668, 0.2151
Android (android.graphics.Color)	4290592923 (0xFFBD409B)
YUV	111.7490, 21.3227, 67.7491
Hunter-Lab	41.0514, 53.1104, -18.5624

# Details

The YUV color **111.7490, 21.3227, 67.7491** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **141.2510, -21.3227, -67.7491**, and the grayscale version is **112.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **168.5320, 20.4437, 69.6934**, and **51.3240, 25.9693, 70.7529** is the 20% darker color. If you saturate the color by 10%, you get **100.0260, 24.6372, 78.0302**, and if you desaturate by 10%, it is **123.4720, 18.0083, 57.4681**.

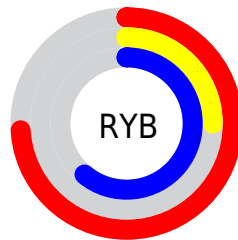
# Distribution



Red (74%)

Green (25%)

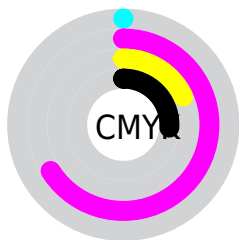
Blue (61%)



Red (74%)

Yellow (25%)

Blue (61%)

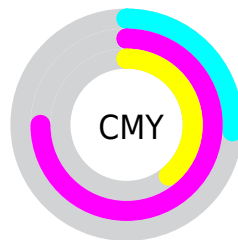


Cyan (0%)

Magenta (66%)

Yellow (18%)

Black (26%)



Cyan (26%)

Magenta (75%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 111.7490, 21.3227, 67.7491 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 111.7490, 21.3227, 67.7491 by changing the saturation by 10% instead.





 111.7490, 21.3227,  
67.7491


 111.7490, 21.3227,  
67.7491


255.0000, 0.0000,  
0.0000


 81.3300, 23.5013,  
68.9936


 168.5320, 20.4437,  
69.6934


 51.3240, 25.9693,  
70.7529

 190.2530, 23.5393,  
56.7831

 40.1020, 19.1767,  
56.0385


 208.6270, 22.8619,  
40.6691

 29.4070, 13.1103,  
41.7391

 225.6500, 14.4696,  
25.7400

 19.8370, 7.4754,  
29.0840

 242.6730, 6.0772,  
10.8108

 5.6960, 1.1359,  
9.0366

 0.0000, 0.0000,

0.0000

■ 111.7490, 21.3227,  
67.7491

■ 111.7490, 21.3227,  
67.7491

■ 100.0260, 24.6372,  
78.0302

■ 123.4720, 18.0083,  
57.4681

■ 88.3030, 27.9516,  
88.3113

■ 135.1950, 14.6939,  
47.1870

■ 76.5800, 31.2661,  
98.5923

■ 146.9180, 11.3794,  
36.9059

■ 72.2430, 32.4182,  
102.3959

■ 158.7550, 8.5018,  
26.5249

■ 170.4780, 5.1873,  
16.2438

■ 181.6140, 2.1623,  
6.4775

■ 193.3370, -1.1521,  
-3.8035

■ 205.0600, -4.4666,  
-14.0846

■ 216.7830, -7.7810,  
-24.3657

# Harmonies

## Analogous

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



116.7560, 40.5463, 15.1230



111.7490, 21.3227, 67.7491



104.2300, -1.5924, 91.0063

# Triad

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



111.7490, 21.3227, 67.7491



105.7550, -52.1372, 16.0009



100.9390, 38.9771, -88.5235

# Complementary

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



111.7490, 21.3227, 67.7491



141.2510, -21.3227, -67.7491

# 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.



95.5980, 15.9742, -83.8394



111.7490, 21.3227, 67.7491



95.9990, -42.3975, -28.0631

# Square

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



111.7490, 21.3227, 67.7491



107.4700, -52.9827, 53.9618



88.0400, -7.9077, -77.2111



100.8200, 56.2907, -88.4191



# Rectangle

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



111.7490, 21.3227, 67.7491



105.2130, -19.3320, 87.5132



88.0400, -7.9077, -77.2111



99.7020, 31.6989, -87.4387

# Sweetspot

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



111.7490, 21.3227, 67.7491



214.6410, 8.0650, 26.6248



88.1170, 49.7353, 7.7904



104.0650, 4.8980, 15.7290



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.



111.7490, 21.3227, 67.7491



125.0800, 32.9916, 105.1698



104.6810, -5.7587, 73.9478



88.4890, 1.7309, 4.8331



60.3520, 26.9415, 85.6373



11.7770, 5.0399, 16.8586



# Inverse Universe

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



111.7490, 21.3227, 67.7491



125.0800, 32.9916, 105.1698



148.3190, 5.7587, -73.9478



88.4890, 1.7309, 4.8331



60.3520, 26.9415, 85.6373



11.7770, 5.0399, 16.8586



# Previews

## White Background



This preview shows how the YUV color 111.7490, 21.3227, 67.7491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

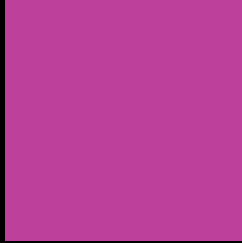
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 111.7490, 21.3227, 67.7491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

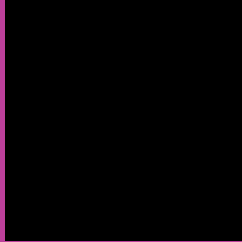
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 111.7490, 21.3227, 67.7491

## Background



This preview shows how black text looks on a background with the YUV color 111.7490, 21.3227, 67.7491.



This preview shows how white text looks on a background with the YUV color 111.7490, 21.3227, 67.7491.



# 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

111.7490, 21.3227, 67.7491

### Protanopia

111.7800, 40.5345, -27.8711

### Deuteranopia

115.4950, 16.0250, -6.5731



## Tritanopia

112.8830, -12.2673, 61.4926

# Trichromacy



## Original Color

111.7490, 21.3227, 67.7491

## Protanomaly

112.1650, 33.4427, 6.8713

## Deuteranomaly

113.9420, 18.2696, 20.2219

## Tritanomaly

112.1080, -0.0532, 63.9263

# Monochromacy



## Original Color

111.7490, 21.3227, 67.7491

## Achromatopsia

112.0000, 0.0000, 0.0000

## Achromatomaly

112.2170, 7.7810, 24.3657

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 111.7490, 21.3227, 67.7491 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(189, 64, 155)` looks like.

```
.text, #text, p{  
    color:rgb(189, 64, 155)  
}
```

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(189, 64, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 64, 155) }
```

## Border

The CSS property to change the border of an element to YUV 111.7490, 21.3227, 67.7491 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(189, 64, 155) }
```



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

```
.border{ border-color:rgb(189, 64, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 64, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 64, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 64, 155);  
box-shadow:4px 4px 4px 4px rgb(189, 64,  
155) }
```

# Background

The CSS property to change the background color of an element to YUV 111.7490, 21.3227, 67.7491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 64, 155) }
```

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

```
.background{ background-color: rgb(189, 64,  
155) }
```

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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