

# Converting Colors

YUV(68.5990, 18.4387, 12.6297)

Have a look what the booklet for  
YUV(68.5990, 18.4387, 12.6297)  
contains.

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# Color

**YUV(68.5990, 18.4387,  
12.6297)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	53366A
RGB	83, 54, 106
RGB Percent	33%, 21%, 42%
CMY	0.6745, 0.7882, 0.5843
CMYK	0.22, 0.49, 0.00, 0.58
HSL	273°, 33%, 31%
HSV	273°, 49%, 42%
XYZ	7.4880, 5.5179, 14.3061
YIQ	68.5990, 0.5920, 22.3200

# Conversions

## Conversions Part 2

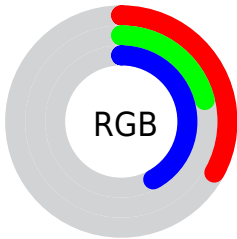
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 54, 106
Decimal	5453418
CIE Lab	28.16, 23.99, -25.53
CIE LCh	28, 35.036, 313.214
Yxy	5.5179, 0.2742, 0.2020
Android (android.graphics.Color)	4283643498 (0xFF53366A)
YUV	68.5990, 18.4387, 12.6297
Hunter-Lab	23.4903, 15.7921, -19.6656

# Details

The YUV color **68.5990, 18.4387, 12.6297** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **91.4010, -18.4387, -12.6297**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.9520, 19.7437, 14.0741**, and **23.2460, 17.1337, 11.1853** is the 20% darker color. If you saturate the color by 10%, you get **60.6470, 22.3590, 15.2186**, and if you desaturate by 10%, it is **76.5510, 14.5184, 10.0408**.

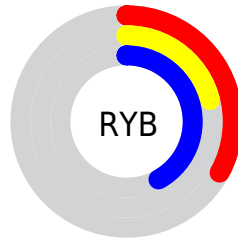
# Distribution



Red (33%)

Green (21%)

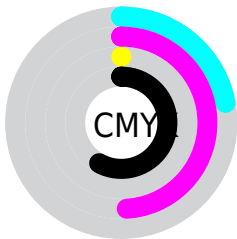
Blue (42%)



Red (33%)

Yellow (21%)

Blue (42%)

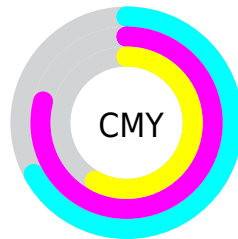


Cyan (22%)

Magenta (49%)

Yellow (0%)

Black (58%)



Cyan (67%)

Magenta (79%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.5990, 18.4387, 12.6297 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 68.5990, 18.4387, 12.6297 by changing the saturation by 10% instead.



68.5990, 18.4387,  
12.6297

68.5990, 18.4387,  
12.6297

255.0000, 0.0000,  
0.0000

45.7730, 17.8599,  
11.6001

117.9520, 19.7437,  
14.0741

23.2460, 17.1337,  
11.1853

143.4790, 20.4699,  
14.4889

8.4040, 14.0978,  
4.9077

170.1910, 20.6118,  
15.6185

1.3680, 5.2416,  
-1.1997

197.7180, 21.3380,  
16.0333

0.0000, 0.0000,  
0.0000

224.1220, 15.2229,  
17.4330

243.8470, 5.4984,

9.7812

■ 68.5990, 18.4387,  
12.6297

■ 68.5990, 18.4387,  
12.6297

■ 60.6470, 22.3590,  
15.2186

■ 76.5510, 14.5184,  
10.0408

■ 53.5810, 25.8426,  
17.9075

■ 83.6170, 11.0348,  
7.3519

■ 45.6290, 29.7629,  
20.4964

■ 91.5690, 7.1145,  
4.7630

■ 38.2640, 33.3938,  
22.5705

■ 98.9340, 3.4835,  
2.6889

■ 30.6110, 37.1668,  
25.7742

■ 106.5870, -0.2894,  
-0.5148

■ 29.7250, 37.6036,  
25.6742

■ 114.5390, -4.2097,  
-3.1037

■ 121.9040, -7.8407,  
-5.1778

■ 129.8560,  
-11.7610, -7.7667

■ 136.9220,  
-15.2445, -10.4556

# Harmonies

## Analogous

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



62.1860, 28.0093, -23.8421



68.5990, 18.4387, 12.6297



66.6960, 8.0379, 35.3466

# Triad

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



68.5990, 18.4387, 12.6297



64.2810, -26.2675, 25.1866



55.2650, 11.2084, -48.4674

# Complementary

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



68.5990, 18.4387, 12.6297



91.4010, -18.4387, -12.6297

# 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.



51.4860, -0.7326, -45.1532



68.5990, 18.4387, 12.6297



61.9320, -27.0815, 6.1986

# Square

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



68.5990, 18.4387, 12.6297



64.8880, -16.7068, 38.6862



58.4220, -16.9700, -17.0331



57.5280, 22.4177, -50.4521



# Rectangle

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



68.5990, 18.4387, 12.6297



64.9760, 0.0118, 42.9940



58.4220, -16.9700, -17.0331



54.2390, 7.2772, -47.5676

# Sweetspot

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



68.5990, 18.4387, 12.6297



122.9820, 7.4039, 5.2778



73.4290, 16.0575, -17.0392



59.5750, 4.6465, 3.0037



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



68.5990, 18.4387, 12.6297



79.1020, 29.0367, 20.0815



75.1340, 13.7379, 27.0695



49.5810, 2.1786, 1.2445



32.7730, 41.5239, 28.2631



68.8930, 86.8208, 59.7298



# Inverse Universe

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



72.1700, 2.3812, 29.6689



84.6220, 3.6374, 46.8125



84.8660, -13.7379, -27.0695



50.1360, 0.4260, 3.3887



40.9110, 5.4669, 66.7301



85.5670, 11.0595, 139.8227



# Previews

## White Background



This preview shows how the YUV color 68.5990, 18.4387, 12.6297 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 ✓ Pass



# Black Background



This preview shows how the YUV color 68.5990, 18.4387, 12.6297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

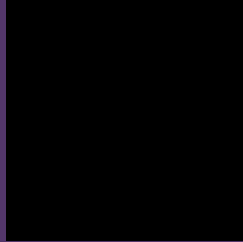
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 68.5990, 18.4387, 12.6297

## Background



This preview shows how black text looks on a background with the YUV color 68.5990, 18.4387, 12.6297.



This preview shows how white text looks on a background with the YUV color 68.5990, 18.4387,



# 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

68.5990, 18.4387, 12.6297

### Protanopia

64.5350, 25.3722, -18.0092

### Deuteranopia

65.4230, 18.5255, -15.2800



## Tritanopia

67.7560, 0.1203, 8.1070

# Trichromacy



## Original Color

68.5990, 18.4387, 12.6297

## Protanomaly

65.9170, 22.7189, -6.9432

## Deuteranomaly

66.4890, 18.4929, -4.8139

## Tritanomaly

68.1890, 6.8088, 9.4812

# Monochromacy



## Original Color

68.5990, 18.4387, 12.6297

## Achromatopsia

69.0000, 0.0000, 0.0000

## Achromatomaly

69.0420, 6.3883, 4.3482

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.5990, 18.4387, 12.6297 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(83, 54, 106)` looks like.

```
.text, #text, p{  
    color:rgb(83, 54, 106)  
}
```

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(83, 54, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 54, 106) }
```

## Border

The CSS property to change the border of an element to YUV 68.5990, 18.4387, 12.6297 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(83, 54, 106) }
```



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

```
.border{ border-color:rgb(83, 54, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 54, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 54, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 54, 106);  
box-shadow:4px 4px 4px 4px rgb(83, 54,  
106) }
```

# Background

The CSS property to change the background color of an element to YUV 68.5990, 18.4387, 12.6297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 54, 106) }
```

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

```
.background{ background-color: rgb(83, 54,  
106) }
```

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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