

# Converting Colors

YUV(47.0190, 18.2316, 32.4323)

Have a look what the booklet for  
YUV(47.0190, 18.2316, 32.4323)  
contains.

<b>YUV(47.0190, 18.2316, 32.4323)</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(47.0190, 18.2316,  
32.4323)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	541554
RGB	84, 21, 84
RGB Percent	33%, 8%, 33%
CMY	0.6706, 0.9176, 0.6706
CMYK	0.00, 0.75, 0.00, 0.67
HSL	300°, 60%, 21%
HSV	300°, 75%, 33%
XYZ	5.5246, 3.0612, 8.6872
YIQ	47.0190, 17.3250, 32.9490

# Conversions

## Conversions Part 2

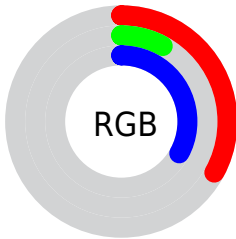
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 21, 84
Decimal	5510484
CIELab	20.29, 37.27, -23.54
CIElCh	20, 44.079, 327.729
Yxy	3.0612, 0.3198, 0.1772
Android (android.graphics.Color)	4283700564 (0xFF541554)
YUV	47.0190, 18.2316, 32.4323
Hunter-Lab	17.4964, 25.7433, -17.1908

# Details

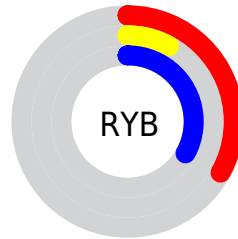
The YUV color **47.0190, 18.2316, 32.4323** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **57.9810, -18.2316, -32.4323**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.6170, 17.9368, 33.6619**, and **16.4060, 11.1388, 20.6919** is the 20% darker color. If you saturate the color by 10%, you get **42.3230, 20.5468, 36.5507**, and if you desaturate by 10%, it is **51.7150, 15.9165, 28.3139**.

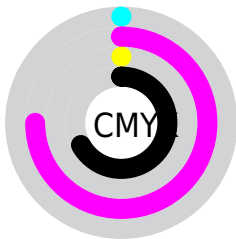
# Distribution



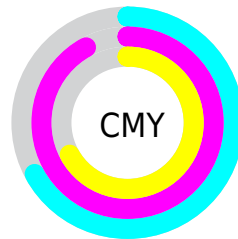
- Red (33%)
- Green (8%)
- Blue (33%)



- Red (33%)
- Yellow (8%)
- Blue (33%)



- Cyan (0%)
- Magenta (75%)
- Yellow (0%)
- Black (67%)



- Cyan (67%)
- Magenta (92%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 47.0190, 18.2316, 32.4323 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 47.0190, 18.2316, 32.4323 by changing the saturation by 10% instead.



47.0190, 18.2316,  
32.4323

47.0190, 18.2316,  
32.4323

255.0000, 0.0000,  
0.0000

24.5950, 17.9477,  
30.1732

97.6170, 17.9368,  
33.6619

16.4060, 11.1388,  
20.6919

123.3290, 18.0788,  
34.7915

2.4110, 6.6994,  
-2.1144

150.0410, 18.2208,  
35.9210


0.0000, 0.0000,  
0.0000


176.8670, 18.7996,  
36.9506


204.6930, 19.3784,  
37.9802


224.4760, 15.0483,


26.7695


 240.9120, 6.9454,  
12.3552


 47.0190, 18.2316,  
32.4323


 47.0190, 18.2316,  
32.4323


 42.3230, 20.5468,  
36.5507

 51.7150, 15.9165,  
28.3139

 37.0400, 23.1513,  
41.1839

 56.9980, 13.3120,  
23.6808

 34.6920, 24.3088,  
43.2431

 61.6940, 10.9969,  
19.5624

 66.9770, 8.3923,  
14.9292

 71.6730, 6.0772,  
10.8108

■ 76.3690, 3.7621,  
6.6924

■ 81.6520, 1.1576,  
2.0592

■ 86.3480, -1.1576,  
-2.0592

■ 91.6310, -3.7621,  
-6.6924

# Harmonies

## Analogous

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



47.3280, 29.4183, -9.0577



47.0190, 18.2316, 32.4323



36.5400, 8.1148, 57.4084

# Triad

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



47.0190, 18.2316, 32.4323



46.4260, -22.8880, 14.5354



45.2860, 16.1280, -39.7158

# Complementary

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



47.0190, 18.2316, 32.4323



57.9810, -18.2316, -32.4323

# 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.



41.5240, 1.7137, -36.4165



47.0190, 18.2316, 32.4323



42.4400, -20.9229, -9.1559

# Square

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



47.0190, 18.2316, 32.4323



45.0960, -22.2323, 37.6268



36.3600, -12.9955, -31.8877



47.0760, 28.0635, -41.2857



# Rectangle

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



47.0190, 18.2316, 32.4323



35.9180, -1.9316, 59.7079



36.3600, -12.9955, -31.8877



44.1460, 11.7600, -38.7160

# Sweetspot

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



47.0190, 18.2316, 32.4323



94.7380, 7.5242, 13.3848



28.1820, 27.5183, -6.2986



46.6080, 4.6303, 8.2368



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



47.0190, 18.2316, 32.4323



51.8870, 28.6497, 50.9651



43.3710, 4.2541, 35.6316



38.6520, 1.1576, 2.0592



43.3650, 30.3861, 54.0539



95.8160, 67.1387, 119.4334



# Inverse Universe

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



47.0190, 18.2316, 32.4323



51.8870, 28.6497, 50.9651



61.5150, -4.6909, -35.5317



38.6520, 1.1576, 2.0592



43.3650, 30.3861, 54.0539

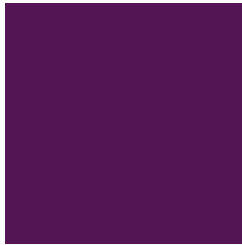


95.8160, 67.1387, 119.4334



# Previews

## White Background



This preview shows how the YUV color 47.0190, 18.2316, 32.4323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

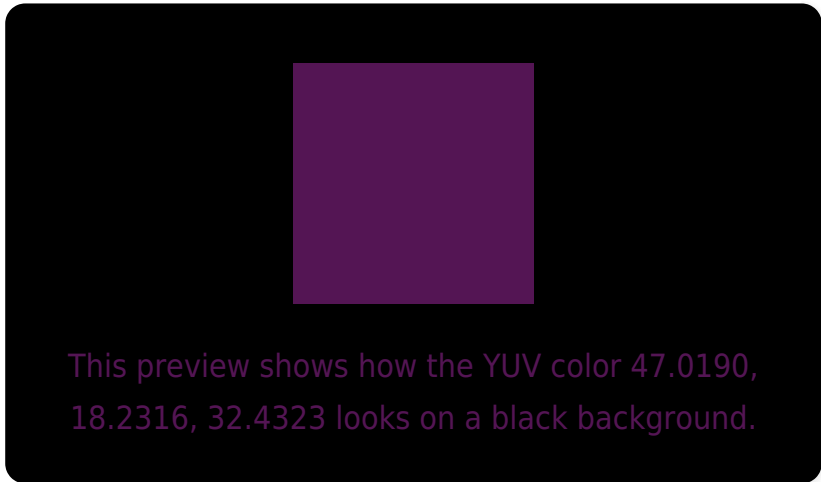
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

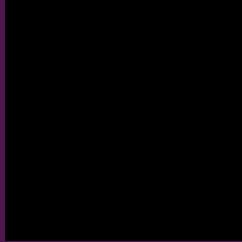
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 47.0190, 18.2316, 32.4323

## Background



This preview shows how black text looks on a background with the YUV color 47.0190, 18.2316, 32.4323.



This preview shows how white text looks on a background with the YUV color 47.0190, 18.2316,



# 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

47.0190, 18.2316, 32.4323

### Protanopia

40.6190, 31.2468, -35.6229

### Deuteranopia

49.5220, 15.0257, -12.7358



## Tritanopia

49.9000, -4.8807, 25.5207

# Trichromacy



## Original Color

47.0190, 18.2316, 32.4323

## Protanomaly

43.2200, 26.5135, -10.7169

## Deuteranomaly

48.5610, 15.9924, 3.8930

## Tritanomaly

48.8000, 3.5496, 28.2394

# Monochromacy



## Original Color

47.0190, 18.2316, 32.4323

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

47.0860, 6.3666, 11.3256

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.0190, 18.2316, 32.4323 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(84, 21, 84)` looks like.

```
.text, #text, p{  
    color:rgb(84, 21, 84)  
}
```

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(84, 21, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 21, 84) }
```

## Border

The CSS property to change the border of an element to YUV 47.0190, 18.2316, 32.4323 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(84, 21, 84) }
```



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

```
.border{ border-color:rgb(84, 21, 84) }
```

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

Here you see how a box with a 4 pixel rgb(84, 21, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 21, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 21, 84);  
box-shadow:4px 4px 4px 4px rgb(84, 21, 84)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.0190, 18.2316, 32.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 21, 84) }
```

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

```
.background{ background-color: rgb(84, 21,  
84) }
```

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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