

# Converting Colors

YUV(50.5750, 14.9995, 42.4687)

Have a look what the booklet for  
YUV(50.5750, 14.9995, 42.4687)  
contains.

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# Color

**YUV(50.5750, 14.9995,  
42.4687)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	631451
RGB	99, 20, 81
RGB Percent	39%, 8%, 32%
CMY	0.6118, 0.9216, 0.6824
CMYK	0.00, 0.80, 0.18, 0.61
HSL	314°, 66%, 23%
HSV	314°, 80%, 39%
XYZ	6.8809, 3.7470, 8.1452
YIQ	50.5750, 27.5030, 35.7190

# Conversions

## Conversions Part 2

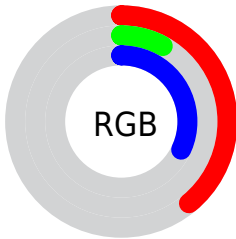
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 20, 81
Decimal	6493265
CIELab	22.82, 41.07, -17.35
CIElCh	23, 44.586, 337.106
Yxy	3.7470, 0.3665, 0.1996
Android (android.graphics.Color)	4284683345 (0xFF631451)
YUV	50.5750, 14.9995, 42.4687
Hunter-Lab	19.3573, 29.5763, -11.3980

# Details

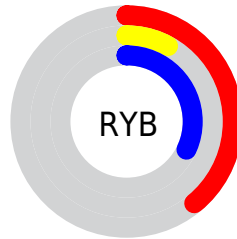
The YUV color **50.5750, 14.9995, 42.4687** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **68.4250, -14.9995, -42.4687**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **102.6460, 13.9785, 43.2835**, and **19.0540, 8.3544, 27.1396** is the 20% darker color. If you saturate the color by 10%, you get **44.4770, 17.0198, 47.8167**, and if you desaturate by 10%, it is **56.6730, 12.9792, 37.1208**.

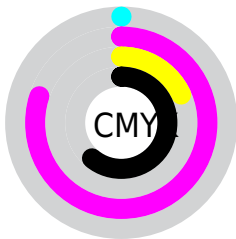
# Distribution



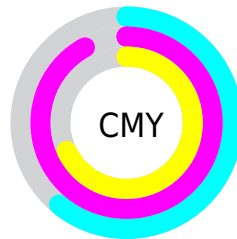
- Red (39%)
- Green (8%)
- Blue (32%)



- Red (39%)
- Yellow (8%)
- Blue (32%)



- Cyan (0%)
- Magenta (80%)
- Yellow (18%)
- Black (61%)



- Cyan (61%)
- Magenta (92%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.5750, 14.9995, 42.4687 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 50.5750, 14.9995, 42.4687 by changing the saturation by 10% instead.



■ 50.5750, 14.9995,  
42.4687

■ 50.5750, 14.9995,  
42.4687

255.0000, 0.0000,  
0.0000

■ 28.4390, 14.5736,  
39.0800

■ 102.6460, 13.9785,  
43.2835

■ 19.0540, 8.3544,  
27.1396

■ 129.2440, 13.6837,  
44.5130

■ 6.7500, 2.5882,  
9.8663

■ 156.2550, 13.6783,  
46.2574

■ 0.0000, 0.0000,  
0.0000


■ 183.5540, 13.5309,  
46.8721


■ 208.0910, 15.7311,  
41.1392


■ 226.2370, 14.1802,


25.2252


 243.2600, 5.7878,  
10.2960


 50.5750, 14.9995,  
42.4687


 50.5750, 14.9995,  
42.4687


 44.4770, 17.0198,  
47.8167


 56.6730, 12.9792,  
37.1208

 38.2650, 18.6034,  
53.2646

 62.8850, 11.3957,  
31.6729

 68.9830, 9.3754,  
26.3249

 75.0810, 7.3551,  
20.9770

 81.1790, 5.3348,  
15.6290

■ 86.8040, 4.0406,  
10.6959

■ 92.9020, 2.0203,  
5.3479

■ 99.0000, 0.0000,  
0.0000

■ 105.0980, -2.0203,  
-5.3479

# Harmonies

## Analogous

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



55.2160, 26.0225, 6.8266



50.5750, 14.9995, 42.4687



42.1830, 2.8678, 60.3525

# Triad

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



50.5750, 14.9995, 42.4687



51.1110, -25.1977, 8.6727



50.6320, 21.3804, -44.4043

# Complementary

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



50.5750, 14.9995, 42.4687



68.4250, -14.9995, -42.4687

# 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.



47.5710, 7.1135, -41.7198



50.5750, 14.9995, 42.4687



44.1570, -21.7694, -17.6777

# Square

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



50.5750, 14.9995, 42.4687



51.5530, -25.4156, 31.9640



42.4070, -7.5957, -37.1909



51.3790, 31.8582, -45.0594



# Rectangle

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



50.5750, 14.9995, 42.4687



45.6480, -9.1935, 55.5597



42.4070, -7.5957, -37.1909



50.0790, 16.7231, -43.9193

# Sweetspot

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



50.5750, 14.9995, 42.4687



109.0050, 5.9135, 16.6586



34.0890, 32.0011, 2.5529



52.3910, 3.7512, 10.1811



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



50.5750, 14.9995, 42.4687



52.6070, 23.3647, 66.1197



46.1290, -2.0356, 46.3679



45.5380, 0.7208, 2.1592



43.4060, 21.4918, 60.1569



92.8500, 45.4300, 129.0506



# Inverse Universe

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



50.5750, 14.9995, 42.4687



52.6070, 23.3647, 66.1197



72.8710, 2.0356, -46.3679



45.5380, 0.7208, 2.1592



43.4060, 21.4918, 60.1569

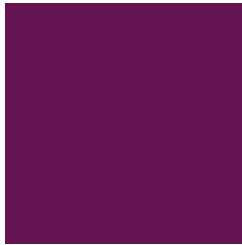


92.8500, 45.4300, 129.0506



# Previews

## White Background



This preview shows how the YUV color 50.5750, 14.9995, 42.4687 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

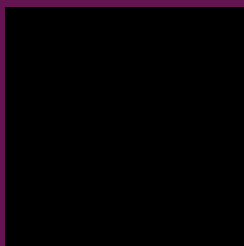
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 50.5750, 14.9995, 42.4687

## Background



This preview shows how black text looks on a background with the YUV color 50.5750, 14.9995, 42.4687.



This preview shows how white text looks on a background with the YUV color 50.5750, 14.9995,



# 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

50.5750, 14.9995, 42.4687

### Protanopia

51.8870, 28.1567, -24.4569

### Deuteranopia

56.4860, 9.6204, -5.6882



## Tritanopia

53.8690, -7.8234, 36.0719

# Trichromacy



## Original Color

50.5750, 14.9995, 42.4687

## Protanomaly

51.1890, 23.5708, -0.1658

## Deuteranomaly

54.4650, 11.6028, 11.8702

## Tritanomaly

52.4700, 0.7543, 38.1758

# Monochromacy



## Original Color

50.5750, 14.9995, 42.4687

## Achromatopsia

51.0000, 0.0000, 0.0000

## Achromatomaly

50.8800, 5.4822, 15.0142

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.5750, 14.9995, 42.4687 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(99, 20, 81)` looks like.

```
.text, #text, p{  
    color:rgb(99, 20, 81)  
}
```

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(99, 20, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 20, 81) }
```

## Border

The CSS property to change the border of an element to YUV 50.5750, 14.9995, 42.4687 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(99, 20, 81) }
```



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

```
.border{ border-color:rgb(99, 20, 81) }
```

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

Here you see how a box with a 4 pixel rgb(99, 20, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 20, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 20, 81);  
box-shadow:4px 4px 4px 4px rgb(99, 20, 81)  
}
```

# Background

The CSS property to change the background color of an element to YUV 50.5750, 14.9995, 42.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 20, 81) }
```

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

```
.background{ background-color: rgb(99, 20,  
81) }
```

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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