

# Converting Colors

YUV(97.5660, 49.0210, 50.3696)

Have a look what the booklet for  
YUV(97.5660, 49.0210, 50.3696)  
contains.

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# Color

**YUV(97.5660, 49.0210,  
50.3696)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B31C5
RGB	155, 49, 197
RGB Percent	61%, 19%, 77%
CMY	0.3922, 0.8078, 0.2275
CMYK	0.21, 0.75, 0.00, 0.23
HSL	283°, 60%, 48%
HSV	283°, 75%, 77%
XYZ	24.6939, 13.1964, 54.0690
YIQ	97.5660, 15.6680, 68.5000

# Conversions

## Conversions Part 2

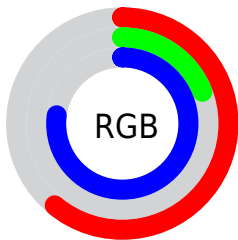
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 49, 197
Decimal	10170821
CIE <sub>Lab</sub>	43.06, 64.49, -56.55
CIE <sub>LCh</sub>	43, 85.773, 318.750
Yxy	13.1964, 0.2685, 0.1435
Android (android.graphics.Color)	4288360901 (0xFF9B31C5)
YUV	97.5660, 49.0210, 50.3696
Hunter-Lab	36.3269, 57.7670, -62.8186

# Details

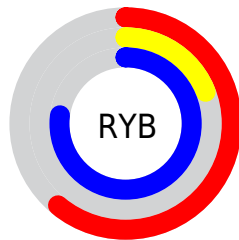
The YUV color **97.5660, 49.0210, 50.3696** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **148.4340, -49.0210, -50.3696**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.9790, 49.3104, 50.8844**, and **45.4900, 47.5794, 46.0513** is the 20% darker color. If you saturate the color by 10%, you get **84.0320, 55.6932, 56.9769**, and if you desaturate by 10%, it is **111.1000, 42.3487, 43.7623**.

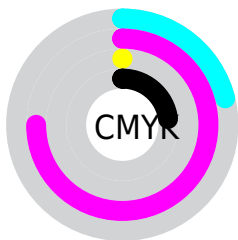
# Distribution



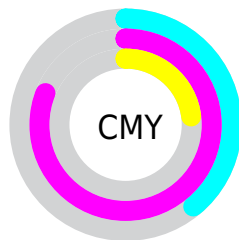
- Red (61%)
- Green (19%)
- Blue (77%)



- Red (61%)
- Yellow (19%)
- Blue (77%)



- Cyan (21%)
- Magenta (75%)
- Yellow (0%)
- Black (23%)



- Cyan (39%)
- Magenta (81%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 97.5660, 49.0210, 50.3696 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 97.5660, 49.0210, 50.3696 by changing the saturation by 10% instead.



97.5660, 49.0210,  
50.3696

97.5660, 49.0210,  
50.3696

255.0000, 0.0000,  
0.0000

63.1090, 52.2043,  
56.0324

154.9790, 49.3104,  
50.8844

45.4900, 47.5794,  
46.0513

180.3850, 36.7852,  
54.9134

34.1540, 40.3501,  
31.4369

200.4090, 26.9134,  
47.8763

23.2310, 33.4101,  
17.3374

216.8450, 18.8104,  
33.4619

9.3180, 27.9442,  
-2.9099

233.8680, 10.4181,  
18.5328

6.6630, 17.9141,  
-5.8435

251.4780, 1.7363,

2.9810, 8.8834,

3.0888

-2.6143

■ 0.0000, 0.0000,  
0.0000

■ 97.5660, 49.0210,  
50.3696

■ 97.5660, 49.0210,  
50.3696

■ 84.0320, 55.6932,  
56.9769

■ 111.1000, 42.3487,  
43.7623

■ 71.3840, 61.9287,  
63.6842

■ 123.7480, 36.1132,  
37.0550

■ 64.6170, 65.2648,  
66.9879

■ 137.2820, 29.4410,  
30.4477

■ 150.5170, 22.9161,  
23.2256

■ 164.0510, 16.2439,  
16.6183

■ 176.9980, 9.8610,  
10.5258

■ 190.2330, 3.3361,  
3.3037

■ 203.7670, -3.3361,  
-3.3037

■ 216.4150, -9.5716,  
-10.0110

# Harmonies

## Analogous

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



83.5980, 76.6132, -73.3154



97.5660, 49.0210, 50.3696



77.8380, 26.7019, 115.9061

# Triad

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



97.5660, 49.0210, 50.3696



95.8970, -47.2772, 43.9403



92.9540, 26.1517, -81.5207

# Complementary

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



97.5660, 49.0210, 50.3696



148.4340, -49.0210, -50.3696

# 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.



83.2300, -6.0294, -72.9927



97.5660, 49.0210, 50.3696



90.2620, -44.4992, -7.2458

# Square

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



97.5660, 49.0210, 50.3696



84.1220, -41.4721, 95.4860



72.2010, -35.5951, -63.3203



98.9620, 54.2487, -86.7897



# Rectangle

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



97.5660, 49.0210, 50.3696



75.4700, 4.6983, 126.7528



72.2010, -35.5951, -63.3203



89.6310, 15.9579, -78.6064

# Sweetspot

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



97.5660, 49.0210, 50.3696



215.2840, 19.5800, 19.9219



91.7000, 51.9129, -37.4479



103.5790, 12.0396, 11.7702



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



97.5660, 49.0210, 50.3696



100.5550, 76.1414, 78.4433



106.7040, 29.7259, 79.1896



93.1190, 2.8993, 3.4036



53.5650, 53.9515, 55.6325



11.8780, 11.8921, 12.3850



# Inverse Universe

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



98.0400, -3.4707, 86.7879



101.2940, -5.0749, 134.8002



139.2960, -29.7259, -79.1896



92.9190, -0.4531, 5.3330



53.9810, -3.9346, 95.6097



11.9040, -0.9387, 21.1322



# Previews

## White Background



This preview shows how the YUV color 97.5660, 49.0210, 50.3696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

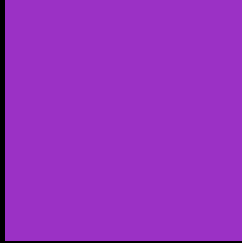
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 97.5660, 49.0210, 50.3696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

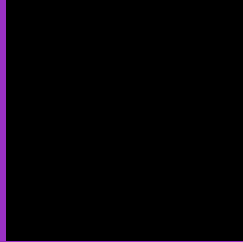
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 97.5660, 49.0210, 50.3696

## Background



This preview shows how black text looks on a background with the YUV color 97.5660, 49.0210, 50.3696.



This preview shows how white text looks on a background with the YUV color 97.5660, 49.0210,



# 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

97.5660, 49.0210, 50.3696

### Protanopia

81.9390, 62.6411, -71.8605

### Deuteranopia

82.0240, 50.2742, -71.9350



## Tritanopia

103.3460, -4.6076, 31.2686

# Trichromacy



## Original Color

97.5660, 49.0210, 50.3696



## Protanomaly

87.6610, 57.8481, -27.7667



## Deuteranomaly

87.5980, 49.9912, -27.7114



## Tritanomaly

101.1400, 14.7210, 38.4652

# Monochromacy



## Original Color

97.5660, 49.0210, 50.3696



## Achromatopsia

98.0000, 0.0000, 0.0000



## Achromatomaly

97.8170, 17.8382, 18.5775

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 97.5660, 49.0210, 50.3696 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(155, 49, 197)` looks like.

```
.text, #text, p{  
    color:rgb(155, 49, 197)  
}
```

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(155, 49, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 49, 197) }
```

## Border

The CSS property to change the border of an element to YUV 97.5660, 49.0210, 50.3696 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(155, 49, 197) }
```



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

```
.border{ border-color:rgb(155, 49, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 49, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 49, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 49, 197);  
box-shadow:4px 4px 4px 4px rgb(155, 49,  
197) }
```

# Background

The CSS property to change the background color of an element to YUV 97.5660, 49.0210, 50.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 49, 197) }
```

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

```
.background{ background-color: rgb(155, 49,  
197) }
```

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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