

# Converting Colors

YUV(95.7740, 49.9044, 0.1982)

Have a look what the booklet for  
YUV(95.7740, 49.9044, 0.1982)  
contains.

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# Color

**YUV(95.7740, 49.9044,  
0.1982)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	604CC5
RGB	96, 76, 197
RGB Percent	38%, 30%, 77%
CMY	0.6235, 0.7020, 0.2275
CMYK	0.51, 0.61, 0.00, 0.23
HSL	250°, 51%, 54%
HSV	250°, 61%, 77%
XYZ	17.4864, 11.6869, 54.1575
YIQ	95.7740, -26.9210, 41.8710

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	96, 76, 197
Decimal	6311109
CIE <sub>Lab</sub>	40.71, 39.92, -60.68
CIE <sub>LCh</sub>	41, 72.633, 303.338
Yxy	11.6869, 0.2098, 0.1402
Android (android.graphics.Color)	4284501189 (0xFF604CC5)
YUV	95.7740, 49.9044, 0.1982
Hunter-Lab	34.1861, 31.4779, -69.9967

# Details

The YUV color **95.7740, 49.9044, 0.1982** is a dark color, and the websafe version is hex **333399**.

The color can be described as dark muted purple.

A complement of this color would be **177.2260, -49.9044, -0.1982**, and the grayscale version is **95.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is

**149.0780, 52.2195, 4.3166**, and **43.0670,**

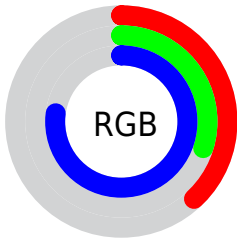
**48.7740, -10.5828** is the 20% darker color. If you

saturate the color by 10%, you get **79.2500,**

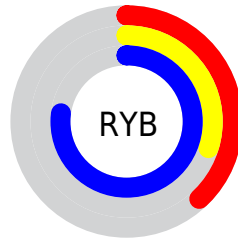
**58.0508, 0.6578**, and if you desaturate by 10%, it

is **112.2980, 41.7581, -0.2613**.

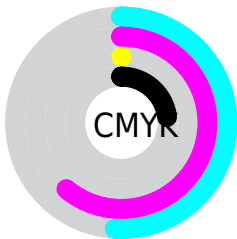
# Distribution



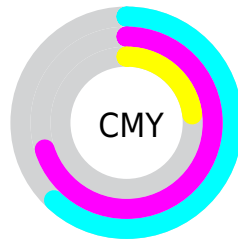
- Red (38%)
- Green (30%)
- Blue (77%)



- Red (38%)
- Yellow (30%)
- Blue (77%)



- Cyan (51%)
- Magenta (61%)
- Yellow (0%)
- Black (23%)



- Cyan (62%)
- Magenta (70%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 95.7740, 49.9044, 0.1982 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 95.7740, 49.9044, 0.1982 by changing the saturation by 10% instead.



■ 95.7740, 49.9044,  
0.1982

■ 95.7740, 49.9044,  
0.1982

■ 255.0000, 0.0000,  
0.0000

■ 69.5240, 49.0417,  
-3.0905

■ 149.0780, 52.2195,  
4.3166

■ 43.0670, 48.7740,  
-10.5828

■ 173.0110, 40.4206,  
8.7604

■ 17.9200, 48.3534,  
-15.7158

■ 197.5310, 28.3322,  
12.6893

■ 10.3740, 39.7486,  
-9.0980

■ 222.9370, 15.8071,  
16.7183

■ 11.6330, 26.8029,  
-10.2021

■ 243.2600, 5.7878,  
10.2960

■ 6.6630, 17.9141,  
-5.8435

■ 2.9810, 8.8834,

-2.6143

■ 0.0000, 0.0000,  
0.0000

■ 95.7740, 49.9044,  
0.1982

■ 95.7740, 49.9044,  
0.1982

■ 79.2500, 58.0508,  
0.6578

■ 112.2980, 41.7581,  
-0.2613

■ 63.0140, 66.0551,  
-0.0123

■ 128.5340, 33.7537,  
0.4087

■ 46.4900, 74.2014,  
0.4473

■ 145.0580, 25.6074,  
-0.0509

■ 32.3250, 81.1848,  
0.5920

■ 161.8810, 17.3137,  
0.1044

■ 178.4050, 9.1673,  
-0.3552

■ 194.6410, 1.1630,  
0.3148

■ 211.1650, -6.9833,  
-0.1447

■ 227.9880,  
-15.2771, 0.0105

■ 243.9250,  
-23.1340, 0.0658

# Harmonies

## Analogous

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



84.6120, 65.2673, -74.2047



95.7740, 49.9044, 0.1982



86.2410, 31.9262, 73.4566

# Triad

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



95.7740, 49.9044, 0.1982



88.9190, -43.8371, 60.5840



81.9540, 9.3897, -71.8737

# Complementary

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



95.7740, 49.9044, 0.1982



177.2260, -49.9044, -0.1982

# 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.



72.8970, -17.6972, -63.9307



95.7740, 49.9044, 0.1982



89.8400, -44.2911, 19.4343

# Square

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



95.7740, 49.9044, 0.1982



76.2360, -20.8223, 98.8940



78.6230, -38.7611, -27.7334



88.7940, 35.5976, -77.8723



# Rectangle

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



95.7740, 49.9044, 0.1982



69.8770, 20.7666, 106.2249



78.6230, -38.7611, -27.7334



78.9730, 0.5063, -69.2593

# Sweetspot

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



95.7740, 49.9044, 0.1982



216.6360, 18.9135, 0.3192



150.2550, 23.0453, -65.1216



103.8010, 11.9301, 0.1745



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.



95.7740, 49.9044, 0.1982



96.8150, 77.9852, 0.1622



113.4150, 41.2074, 36.4700



91.3250, 3.7838, -0.2850



26.6550, 67.2181, 0.3026



5.8980, 14.8403, 0.0895



# Inverse Universe

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



123.6930, 26.2804, 64.2902



140.5230, 41.1542, 100.3963



159.5850, -41.2074, -36.4700



93.6030, 2.1677, 4.7332



64.2410, 35.3772, 86.6116

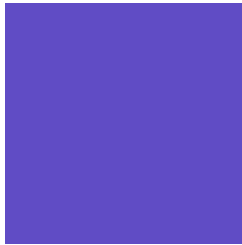


14.1840, 7.7973, 19.1326



# Previews

## White Background



This preview shows how the YUV color 95.7740, 49.9044, 0.1982 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 95.7740, 49.9044, 0.1982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

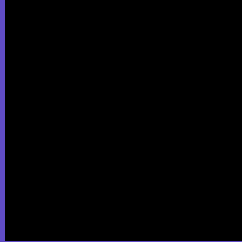
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 95.7740, 49.9044, 0.1982

## Background



This preview shows how black text looks on a background with the YUV color 95.7740, 49.9044, 0.1982.



This preview shows how white text looks on a background with the YUV color 95.7740, 49.9044,



# 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

95.7740, 49.9044, 0.1982

### Protanopia

76.3480, 58.9884, -66.9572

### Deuteranopia

76.9060, 45.8953, -67.4466



## Tritanopia

92.3440, 8.2114, -20.4727

# Trichromacy



## Original Color

95.7740, 49.9044, 0.1982

## Protanomaly

83.2910, 55.5655, -42.3512

## Deuteranomaly

83.8150, 47.4192, -42.8108

## Tritanomaly

93.6990, 23.3194, -12.8910

# Monochromacy



## Original Color

95.7740, 49.9044, 0.1982

## Achromatopsia

96.0000, 0.0000, 0.0000

## Achromatomaly

96.1090, 18.1873, -0.0956

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 95.7740, 49.9044, 0.1982 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(96, 76, 197)` looks like.

```
.text, #text, p{  
    color:rgb(96, 76, 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(96, 76, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 76, 197) }
```

## Border

The CSS property to change the border of an element to YUV 95.7740, 49.9044, 0.1982 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(96, 76, 197) }
```



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

```
.border{ border-color:rgb(96, 76, 197) }
```

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

Here you see how a box with a 4 pixel rgb(96, 76, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 76, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 76, 197);  
box-shadow:4px 4px 4px 4px rgb(96, 76,  
197) }
```

# Background

The CSS property to change the background color of an element to YUV 95.7740, 49.9044, 0.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 76, 197) }
```

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

```
.background{ background-color: rgb(96, 76,  
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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