

# Converting Colors

YUV(82.6510, 19.8921, 59.9421)

Have a look what the booklet for  
YUV(82.6510, 19.8921, 59.9421)  
contains.

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# Color

**YUV(82.6510, 19.8921,  
59.9421)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	97287B
RGB	151, 40, 123
RGB Percent	59%, 16%, 48%
CMY	0.4078, 0.8431, 0.5176
CMYK	0.00, 0.74, 0.19, 0.41
HSL	315°, 58%, 37%
HSV	315°, 74%, 59%
XYZ	17.0964, 9.5270, 19.6767
YIQ	82.6510, 39.5130, 49.3450

# Conversions

## Conversions Part 2

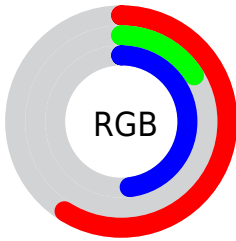
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 40, 123
Decimal	9906299
CIELab	36.98, 53.88, -21.73
CIElCh	37, 58.100, 338.038
Yxy	9.5270, 0.3693, 0.2058
Android (android.graphics.Color)	4288096379 (0xFF97287B)
YUV	82.6510, 19.8921, 59.9421
Hunter-Lab	30.8658, 44.8555, -16.1909

# Details

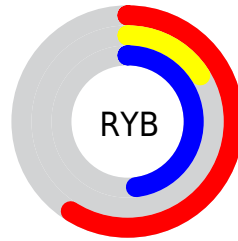
The YUV color **82.6510, 19.8921, 59.9421** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **108.3490, -19.8921, -59.9421**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.6080, 18.4343, 60.8568**, and **37.1400, 18.1720, 51.6202** is the 20% darker color. If you saturate the color by 10%, you get **73.3900, 22.4857, 68.0640**, and if you desaturate by 10%, it is **91.9120, 17.2984, 51.8202**.

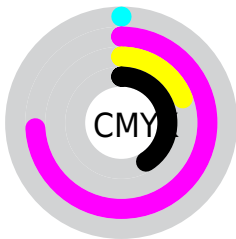
# Distribution



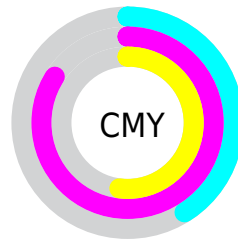
- Red (59%)
- Green (16%)
- Blue (48%)



- Red (59%)
- Yellow (16%)
- Blue (48%)



- Cyan (0%)
- Magenta (74%)
- Yellow (19%)
- Black (41%)




- Cyan (41%)
- Magenta (84%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 82.6510, 19.8921, 59.9421 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 82.6510, 19.8921, 59.9421 by changing the saturation by 10% instead.





 82.6510, 19.8921,  
59.9421


 82.6510, 19.8921,  
59.9421


255.0000, 0.0000,  
0.0000


 47.9490, 24.6751,  
65.8197

 138.6080, 18.4343,  
60.8568


 37.1400, 18.1720,  
51.6202

 166.5050, 17.9920,  
62.7011


 26.7440, 11.9582,  
37.9355

 191.2160, 19.6135,  
55.9386

 17.1740, 6.3232,  
25.2804

 210.3880, 21.9937,  
39.1247

 0.0000, 0.0000,  
0.0000

 226.8240, 13.8908,  
24.7104

 243.8470, 5.4984,

9.7812

■ 82.6510, 19.8921,  
59.9421

■ 82.6510, 19.8921,  
59.9421

■ 73.3900, 22.4857,  
68.0640

■ 91.9120, 17.2984,  
51.8202

■ 64.1290, 25.0794,  
76.1859

■ 101.1730, 14.7047,  
43.6983

■ 58.0310, 27.0997,  
81.5338

■ 110.3200, 11.6742,  
35.6764

■ 119.5810, 9.0806,  
27.5545

■ 129.4290, 6.1975,  
18.9178

■ 138.6900, 3.6038,  
10.7959

■ 147.9510, 1.0102,  
2.6740

■ 157.0980, -2.0203,  
-5.3479

■ 166.3590, -4.6140,  
-13.4698

# Harmonies

## Analogous

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



88.8820, 36.0472, 11.5045



82.6510, 19.8921, 59.9421



73.6850, 1.6343, 82.7143

# Triad

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



82.6510, 19.8921, 59.9421



80.6480, -39.7595, 12.5867



78.6380, 32.2235, -68.9655

# Complementary

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



82.6510, 19.8921, 59.9421



108.3490, -19.8921, -59.9421

# 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.



74.0950, 12.2782, -64.9813



82.6510, 19.8921, 59.9421



71.2580, -35.1302, -25.6593

# Square

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



82.6510, 19.8921, 59.9421



81.4440, -40.1519, 45.2146



67.3350, -8.5462, -59.0528



79.1230, 46.7744, -69.3909



# Rectangle

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



82.6510, 19.8921, 59.9421



76.8850, -15.2263, 77.2769



67.3350, -8.5462, -59.0528



77.6290, 25.8189, -68.0806

# Sweetspot

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



82.6510, 19.8921, 59.9421



169.5050, 7.6390, 23.2361



61.0260, 44.3572, 6.1162



83.6410, 4.6140, 13.4698



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



82.6510, 19.8921, 59.9421



90.1340, 30.9929, 92.8445



76.3810, -4.1318, 65.4409



72.0760, 1.4415, 4.3183



53.8300, 25.2268, 75.5711



5.0270, 2.4517, 6.9923



# Inverse Universe

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



82.6510, 19.8921, 59.9421



90.1340, 30.9929, 92.8445



114.6190, 4.1318, -65.4409



72.0760, 1.4415, 4.3183



53.8300, 25.2268, 75.5711



5.0270, 2.4517, 6.9923



# Previews

## White Background



This preview shows how the YUV color 82.6510, 19.8921, 59.9421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

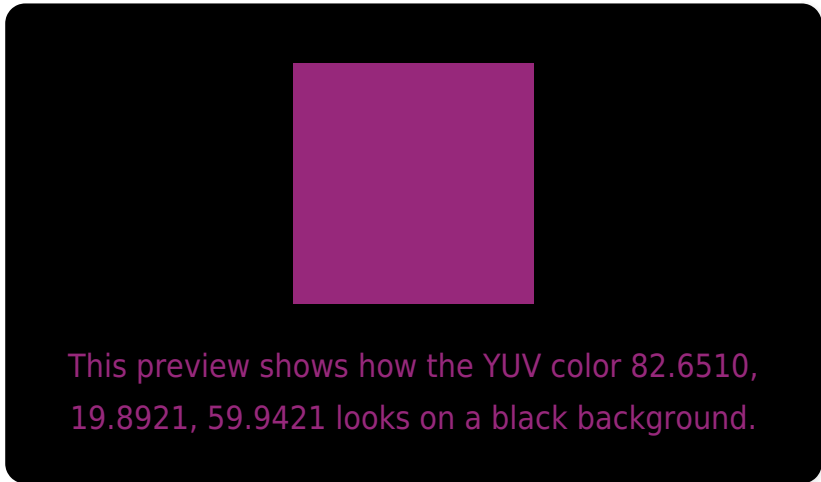
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

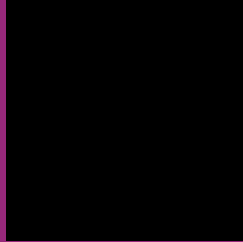
Any Text WCAG AA × Fail

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 82.6510, 19.8921, 59.9421 Background



This preview shows how black text looks on a background with the YUV color 82.6510, 19.8921, 59.9421.



This preview shows how white text looks on a background with the YUV color 82.6510, 19.8921,



# 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

82.6510, 19.8921, 59.9421

### Protanopia

83.9710, 37.4823, -28.9156

### Deuteranopia

88.5120, 13.5516, -6.5880



## Tritanopia

85.4690, -11.0772, 53.0857

# Trichromacy



## Original Color

82.6510, 19.8921, 59.9421

## Protanomaly

83.2740, 31.4169, 3.2677

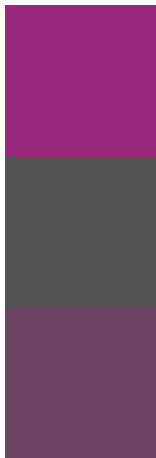
## Deuteranomaly

86.3500, 16.0965, 17.2331

## Tritanomaly

84.4660, 0.2633, 55.7193

# Monochromacy



## Original Color

82.6510, 19.8921, 59.9421

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

82.7930, 7.4971, 22.1065

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 82.6510, 19.8921, 59.9421 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(151, 40, 123)` looks like.

```
.text, #text, p{  
    color:rgb(151, 40, 123)  
}
```

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(151, 40, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 40, 123) }
```

## Border

The CSS property to change the border of an element to YUV 82.6510, 19.8921, 59.9421 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(151, 40, 123) }
```



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

```
.border{ border-color:rgb(151, 40, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 40, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 40, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 40, 123);  
box-shadow:4px 4px 4px 4px rgb(151, 40,  
123) }
```

# Background

The CSS property to change the background color of an element to YUV 82.6510, 19.8921, 59.9421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 40, 123) }
```

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

```
.background{ background-color: rgb(151, 40,  
123) }
```

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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