

# Converting Colors

YUV(59.8630, 31.6195, 31.6921)

Have a look what the booklet for  
YUV(59.8630, 31.6195, 31.6921)  
contains.

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# Color

**YUV(59.8630, 31.6195,  
31.6921)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	601D7C
RGB	96, 29, 124
RGB Percent	38%, 11%, 49%
CMY	0.6235, 0.8863, 0.5137
CMYK	0.23, 0.77, 0.00, 0.51
HSL	282°, 62%, 30%
HSV	282°, 77%, 49%
XYZ	8.9013, 4.8208, 19.5301
YIQ	59.8630, 9.4370, 43.7490

# Conversions

## Conversions Part 2

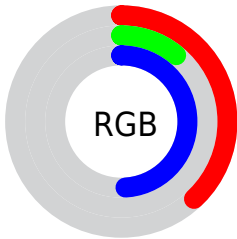
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 29, 124
Decimal	6299004
CIELab	26.22, 45.09, -40.00
CIELCh	26, 60.275, 318.420
Yxy	4.8208, 0.2677, 0.1450
Android (android.graphics.Color)	4284489084 (0xFF601D7C)
YUV	59.8630, 31.6195, 31.6921
Hunter-Lab	21.9562, 33.9427, -37.3693

# Details

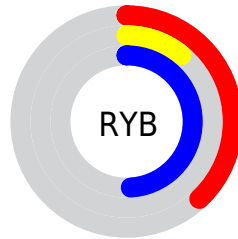
The YUV color **59.8630, 31.6195, 31.6921** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **93.1370, -31.6195, -31.6921**, and the grayscale version is **60.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **111.9880, 32.0509, 33.3365**, and **21.5920, 25.8371, 19.6518** is the 20% darker color. If you saturate the color by 10%, you get **51.6230, 35.6819, 35.4106**, and if you desaturate by 10%, it is **68.1030, 27.5572, 27.9737**.

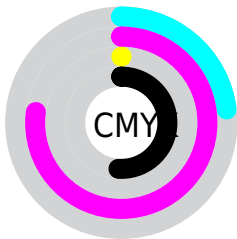
# Distribution



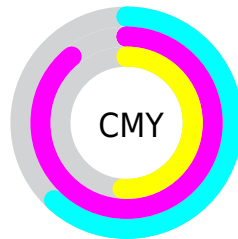
- Red (38%)
- Green (11%)
- Blue (49%)



- Red (38%)
- Yellow (11%)
- Blue (49%)



- Cyan (23%)
- Magenta (77%)
- Yellow (0%)
- Black (51%)



- Cyan (62%)
- Magenta (89%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 59.8630, 31.6195, 31.6921 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 59.8630, 31.6195, 31.6921 by changing the saturation by 10% instead.



■ 59.8630, 31.6195,  
31.6921

■ 59.8630, 31.6195,  
31.6921

■ 255.0000, 0.0000,  
0.0000

■ 32.2160, 32.9245,  
33.1366

■ 111.9880, 32.0509,  
33.3365

■ 21.5920, 25.8371,  
19.6518

■ 138.5150, 32.7771,  
33.7513

■ 12.0930, 19.1812,  
7.8114

■ 165.6400, 33.2085,  
35.3957

■ 4.4800, 12.0884,  
-3.9290

■ 192.6680, 30.7297,  
37.1252

■ 0.0000, 0.0000,  
0.0000

■ 215.0840, 19.6786,  
35.0063

■ 231.5200, 11.5756,

20.5920

248.5430, 3.1833,  
5.6628

59.8630, 31.6195,  
31.6921

59.8630, 31.6195,  
31.6921

51.6230, 35.6819,  
35.4106

68.1030, 27.5572,  
27.9737

43.0950, 39.8862,  
40.2587

76.6310, 23.3529,  
23.1256

40.1490, 41.3385,  
41.0883

84.8710, 19.2906,  
19.4071

93.6980, 14.9389,  
15.1739

101.6390, 11.0240,  
10.8406

■ 109.8790, 6.9617,  
7.1221

■ 118.7060, 2.6099,  
2.8888

■ 126.6470, -1.3050,  
-1.4444

■ 135.4740, -5.6567,  
-5.6777

# Harmonies

## Analogous

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



51.2600, 49.1718, -44.9550



59.8630, 31.6195, 31.6921



48.8160, 16.3597, 72.9524

# Triad

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



59.8630, 31.6195, 31.6921



59.2060, -29.1886, 28.7603



57.2200, 16.1605, -50.1819

# Complementary

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



59.8630, 31.6195, 31.6921



93.1370, -31.6195, -31.6921

# 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.



51.1610, -4.5164, -44.8682



59.8630, 31.6195, 31.6921



54.8660, -27.0489, -4.2675

# Square

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



59.8630, 31.6195, 31.6921



51.1530, -25.2184, 62.1328



44.6120, -21.9937, -39.1247



61.3070, 34.3586, -53.7662



# Rectangle

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



59.8630, 31.6195, 31.6921



47.1900, 2.3713, 79.6404



44.6120, -21.9937, -39.1247



55.3960, 9.1718, -48.5823

# Sweetspot

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



59.8630, 31.6195, 31.6921



135.9920, 12.3289, 12.2850



56.2660, 33.3929, -23.9123



66.4060, 7.6878, 7.5369



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



59.8630, 31.6195, 31.6921



60.9680, 49.3158, 49.1401



66.0690, 19.1930, 50.8055



56.8800, 2.0312, 1.8592



40.5620, 41.6279, 41.6031



81.9500, 83.8347, 84.2358



# Inverse Universe

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



60.5970, -1.7733, 55.6044



62.1540, -3.0339, 86.6879



86.9310, -19.1930, -50.8055



57.0220, -0.0108, 3.4887



41.5930, -2.2643, 73.1479

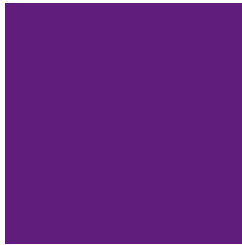


83.7840, -4.8235, 147.5254



# Previews

## White Background



This preview shows how the YUV color 59.8630, 31.6195, 31.6921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

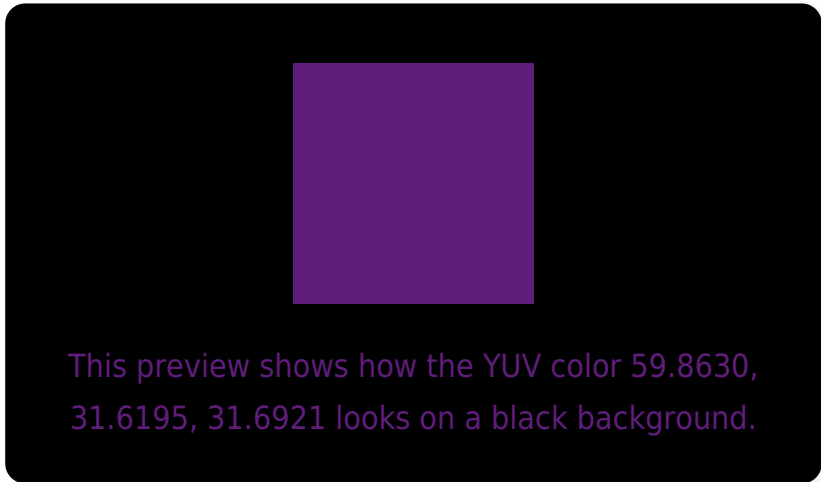
Any Text WCAG AA ✓ Pass

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

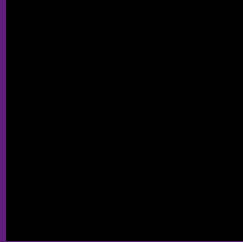
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 59.8630, 31.6195, 31.6921

## Background



This preview shows how black text looks on a background with the YUV color 59.8630, 31.6195, 31.6921.



This preview shows how white text looks on a background with the YUV color 59.8630, 31.6195,



# 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

59.8630, 31.6195, 31.6921

### Protanopia

50.5130, 38.6941, -44.2999

### Deuteranopia

51.1510, 30.9846, -44.8594



## Tritanopia

64.0240, -2.9698, 19.2730

# Trichromacy



## Original Color

59.8630, 31.6195, 31.6921

## Protanomaly

53.7060, 36.1339, -16.4052

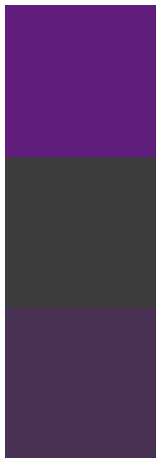
## Deuteranomaly

54.4410, 31.3346, -17.0498

## Tritanomaly

62.6730, 9.5282, 23.9658

# Monochromacy



## Original Color

59.8630, 31.6195, 31.6921

## Achromatopsia

60.0000, 0.0000, 0.0000

## Achromatomaly

60.0520, 11.3134, 11.3554

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 59.8630, 31.6195, 31.6921 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, 29, 124)` looks like.

```
.text, #text, p{  
    color:rgb(96, 29, 124)  
}
```

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, 29, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 29, 124) }
```

## Border

The CSS property to change the border of an element to YUV 59.8630, 31.6195, 31.6921 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, 29, 124) }
```



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

```
.border{ border-color:rgb(96, 29, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 29, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 29, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 29, 124);  
box-shadow:4px 4px 4px 4px rgb(96, 29,  
124) }
```

# Background

The CSS property to change the background color of an element to YUV 59.8630, 31.6195, 31.6921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 29, 124) }
```

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

```
.background{ background-color: rgb(96, 29,  
124) }
```

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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