

# Converting Colors

YUV(59.5720, 63.3150, 38.9634)

Have a look what the booklet for  
YUV(59.5720, 63.3150, 38.9634)  
contains.

<b>YUV(59.5720, 63.3150, 38.9634)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(59.5720, 63.3150,  
38.9634)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	680CBC
RGB	104, 12, 188
RGB Percent	41%, 5%, 74%
CMY	0.5922, 0.9529, 0.2627
CMYK	0.45, 0.94, 0.00, 0.26
HSL	271°, 88%, 39%
HSV	271°, 94%, 74%
XYZ	14.9175, 6.8368, 48.1104
YIQ	59.5720, -1.6640, 74.2400

# Conversions

## Conversions Part 2

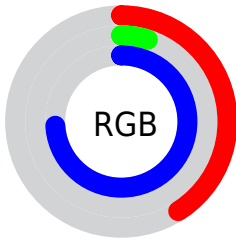
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 12, 188
Decimal	6819004
CIELab	31.43, 65.25, -70.55
CIElCh	31, 96.102, 312.766
Yxy	6.8368, 0.2135, 0.0979
Android (android.graphics.Color)	4285009084 (0xFF680CBC)
YUV	59.5720, 63.3150, 38.9634
Hunter-Lab	26.1474, 56.0793, -90.7887

# Details

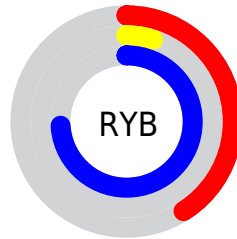
The YUV color **59.5720, 63.3150, 38.9634** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **140.4280, -63.3150, -38.9634**, and the grayscale version is **59.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.2790, 60.9945, 36.5893**, and **27.1220, 52.1979, 11.2940** is the 20% darker color. If you saturate the color by 10%, you get **50.7340, 67.6721, 41.4523**, and if you desaturate by 10%, it is **73.4160, 56.4899, 34.7152**.

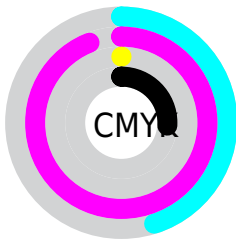
# Distribution



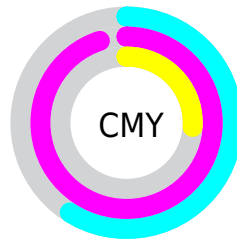
- Red (41%)
- Green (5%)
- Blue (74%)



- Red (41%)
- Yellow (5%)
- Blue (74%)



- Cyan (45%)
- Magenta (94%)
- Yellow (0%)
- Black (26%)



- Cyan (59%)
- Magenta (95%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 59.5720, 63.3150, 38.9634 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 59.5720, 63.3150, 38.9634 by changing the saturation by 10% instead.



■ 59.5720, 63.3150,  
38.9634

■ 59.5720, 63.3150,  
38.9634

■ 255.0000, 0.0000,  
0.0000

■ 40.3660, 58.9796,  
29.4970

■ 121.2790, 60.9945,  
36.5893

■ 27.1220, 52.1979,  
11.2940

■ 147.8250, 52.8373,  
39.6185

■ 12.1980, 46.7374,  
-10.6976

■ 172.6440, 40.6015,  
44.1622

■ 9.3480, 35.8174,  
-8.1982

■ 198.0500, 28.0764,  
48.1912

■ 9.4330, 23.4505,  
-8.2727

■ 215.0840, 19.6786,  
35.0063


■ 5.1640, 14.7091,  
-4.5288

■ 232.1070, 11.2862,


■ 1.1400, 4.3680,


20.0772


-0.9998


 249.1300, 2.8939,  
5.1480


 0.0000, 0.0000,  
0.0000


 59.5720, 63.3150,  
38.9634


 59.5720, 63.3150,  
38.9634


 50.7340, 67.6721,  
41.4523

 73.4160, 56.4899,  
34.7152

 87.2600, 49.6648,  
30.4670

 100.5170, 43.1291,  
26.7336

 114.3610, 36.3040,  
22.4854

 128.2050, 29.4789,  
18.2372

■ 142.0490, 22.6538,  
13.9890

■ 155.8930, 15.8288,  
9.7408

■ 169.1500, 9.2931,  
6.0075

■ 182.9940, 2.4680,  
1.7593

# Harmonies

## Analogous

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



71.0770, 76.8700, -62.3345



59.5720, 63.3150, 38.9634



67.0160, 26.6141, 97.3330

# Triad

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



59.5720, 63.3150, 38.9634



68.4860, -33.7636, 49.5628



70.1970, 17.6509, -61.5628

# Complementary

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



59.5720, 63.3150, 38.9634



140.4280, -63.3150, -38.9634

# 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.



59.5610, -18.0246, -52.2350



59.5720, 63.3150, 38.9634



65.7860, -32.4325, -4.1973

# Square

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



59.5720, 63.3150, 38.9634



51.1290, -25.2066, 105.1269



54.5910, -26.9134, -47.8763



78.9920, 48.8109, -69.2760



# Rectangle

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



59.5720, 63.3150, 38.9634



65.8010, 2.5631, 111.5535



54.5910, -26.9134, -47.8763



66.6460, 6.5835, -58.4485

# Sweetspot

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



59.5720, 63.3150, 38.9634



194.6300, 24.8324, 15.2335



81.9590, 52.2782, -61.3540



92.2520, 14.6658, 9.4260



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



59.5720, 63.3150, 38.9634



66.2020, 88.1474, 54.1968



84.3460, 49.6224, 90.9046



87.5210, 3.1941, 2.1741



42.8290, 56.7793, 35.2300



8.3180, 11.1822, 6.7371



# Inverse Universe

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



74.2000, 10.7474, 99.8026



86.5930, 14.9907, 138.9229



115.6540, -49.6224, -90.9046



88.1470, 0.4205, 5.1331



55.7920, 9.4695, 89.6364

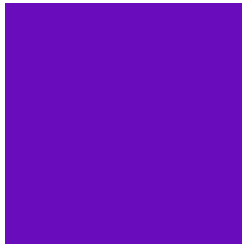


10.9790, 1.9824, 17.5584



# Previews

## White Background



This preview shows how the YUV color 59.5720, 63.3150, 38.9634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

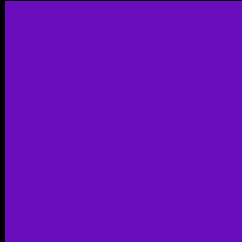
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 59.5720, 63.3150, 38.9634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

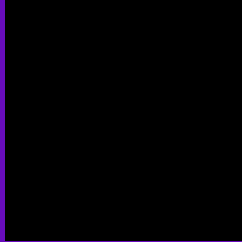
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 59.5720, 63.3150, 38.9634

## Background



This preview shows how black text looks on a background with the YUV color 59.5720, 63.3150, 38.9634.



This preview shows how white text looks on a background with the YUV color 59.5720, 63.3150,



# 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

59.5720, 63.3150, 38.9634

### Protanopia

60.2930, 45.7046, -52.8770

### Deuteranopia

60.7200, 34.6480, -53.2514



## Tritanopia

75.8800, 2.0312, 1.8592

# Trichromacy



## Original Color

59.5720, 63.3150, 38.9634

## Protanomaly

60.2230, 52.1481, -19.4896

## Deuteranomaly

60.3880, 45.1647, -19.6343

## Tritanomaly

69.5160, 24.3956, 15.3335

# Monochromacy



## Original Color

59.5720, 63.3150, 38.9634

## Achromatopsia

60.0000, 0.0000, 0.0000

## Achromatomaly

60.1630, 23.0906, 13.8890

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 59.5720, 63.3150, 38.9634 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(104, 12, 188)` looks like.

```
.text, #text, p{  
    color:rgb(104, 12, 188)  
}
```

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(104, 12, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 12, 188) }
```

## Border

The CSS property to change the border of an element to YUV 59.5720, 63.3150, 38.9634 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".

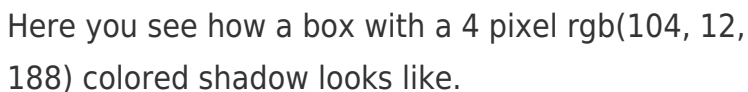
```
.border, #border, table{ border:4px solid rgb(104, 12, 188) }
```



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

```
.border{ border-color:rgb(104, 12, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(104, 12, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 12, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 12, 188); box-shadow:4px 4px 4px 4px rgb(104, 12, 188) }
```

# Background

The CSS property to change the background color of an element to YUV 59.5720, 63.3150, 38.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 12, 188) }
```

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

```
.background{ background-color: rgb(104, 12,  
188) }
```

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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