

# Converting Colors

YUV(58.3510, 61.9450, 58.4512)

Have a look what the booklet for  
YUV(58.3510, 61.9450, 58.4512)  
contains.

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# Color

**YUV(58.3510, 61.9450,  
58.4512)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D00B8
RGB	125, 0, 184
RGB Percent	49%, 0%, 72%
CMY	0.5098, 1.0000, 0.2784
CMYK	0.32, 1.00, 0.00, 0.28
HSL	281°, 100%, 36%
HSV	281°, 100%, 72%
XYZ	17.1092, 7.8207, 45.9552
YIQ	58.3510, 15.4360, 83.7240

# Conversions

## Conversions Part 2

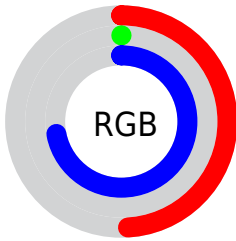
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 0, 184
Decimal	8192184
CIELab	33.61, 68.49, -64.49
CIElCh	34, 94.078, 316.723
Yxy	7.8207, 0.2414, 0.1103
Android (android.graphics.Color)	4286382264 (0xFF7D00B8)
YUV	58.3510, 61.9450, 58.4512
Hunter-Lab	27.9655, 60.2662, -77.8545

# Details

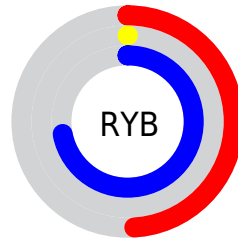
The YUV color **58.3510, 61.9450, 58.4512** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **125.6490, -61.9450, -58.4512**, and the grayscale version is **58.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **126.8030, 56.2991, 49.2848**, and **34.8530, 46.9075, 28.1929** is the 20% darker color. If you saturate the color by 10%, you get **58.3510, 61.9450, 58.4512**, and if you desaturate by 10%, it is **70.7110, 55.8515, 52.8735**.

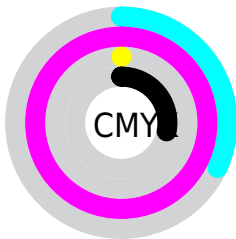
# Distribution



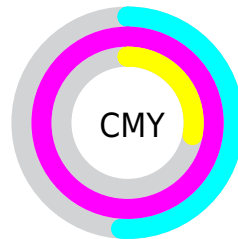
- Red (49%)
- Green (0%)
- Blue (72%)



- Red (49%)
- Yellow (0%)
- Blue (72%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (51%)
- Magenta (100%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 58.3510, 61.9450, 58.4512 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 58.3510, 61.9450, 58.4512 by changing the saturation by 10% instead.



■ 58.3510, 61.9450,  
58.4512

■ 58.3510, 61.9450,  
58.4512

■ 255.0000, 0.0000,  
0.0000

■ 46.4880, 53.9894,  
43.4220

■ 126.8030, 56.2991,  
49.2848

■ 34.8530, 46.9075,  
28.1929

■ 153.8050, 49.8891,  
51.9140

■ 22.6200, 40.1203,  
11.7343

■ 179.2110, 37.3640,  
55.9430

■ 8.8920, 34.0702,  
-7.7983

■ 199.2350, 27.4921,  
48.9059

■ 9.0910, 22.1401,  
-7.9728

■ 216.2580, 19.0998,  
33.9767

■ 4.8220, 13.3988,  
-4.2289

■ 233.2810, 10.7075,


■ 0.4560, 1.7472,


19.0476


-0.3999


 250.3040, 2.3151,  
4.1184


 0.0000, 0.0000,  
0.0000


 58.3510, 61.9450,  
58.4512

 70.7110, 55.8515,  
52.8735

 83.6580, 49.4686,  
46.7809

 96.0180, 43.3751,  
41.2032

 108.9650, 36.9923,  
35.1107

 121.3250, 30.8988,  
29.5330

■ 133.3860, 24.9527,  
23.3405

■ 146.3330, 18.5698,  
17.2480

■ 158.6930, 12.4764,  
11.6702

■ 171.6400, 6.0935,  
5.5777

# 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



58.3510, 61.9450, 58.4512



69.0230, 22.6667, 103.4658

# Triad

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



58.3510, 61.9450, 58.4512



74.6440, -36.7995, 43.2852



75.4290, 22.4665, -66.1512

# Complementary

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



58.3510, 61.9450, 58.4512



125.6490, -61.9450, -58.4512

# 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.



65.1350, -11.8986, -57.1234



58.3510, 61.9450, 58.4512



68.6990, -33.8686, -10.2600

# Square

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



58.3510, 61.9450, 58.4512



51.4280, -25.3540, 105.7416



58.1130, -28.6497, -50.9651



83.7680, 51.8794, -73.4645



# Rectangle

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



58.3510, 61.9450, 58.4512



66.8400, 0.0789, 115.0273



58.1130, -28.6497, -50.9651



71.8780, 11.3991, -63.0370

# Sweetspot

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



58.3510, 61.9450, 58.4512



190.8590, 24.2265, 22.9257



56.7830, 62.7180, -49.7987



90.5730, 14.5075, 13.5295



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000



# Same Dimension

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



58.3510, 61.9450, 58.4512



76.0970, 80.8042, 76.2139



72.4580, 39.7072, 97.8223



85.8200, 3.0467, 2.7889



49.4780, 52.5153, 49.5698



8.8730, 9.4296, 8.8814



# Inverse Universe

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



61.7420, -1.3518, 107.2203



80.5380, -1.7442, 139.8482



111.5420, -39.7072, -97.8223



86.0330, -0.0163, 5.2331



52.3440, -1.1556, 90.9063



9.3980, -0.1962, 16.3140



# Previews

## White Background



This preview shows how the YUV color 58.3510, 61.9450, 58.4512 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

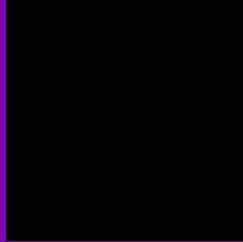
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 58.3510, 61.9450, 58.4512

## Background



This preview shows how black text looks on a background with the YUV color 58.3510, 61.9450, 58.4512.



This preview shows how white text looks on a background with the YUV color 58.3510, 61.9450,



# 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



### Protanopia

65.2970, 49.6466, -57.2655

### Deuteranopia

65.6100, 38.1533, -57.5400

### Tritanopia

82.7360, -2.8278, 20.4025

# Trichromacy



## Protanomaly

62.5270, 54.4632, -15.3712

## Deuteranomaly

62.5780, 47.0430, -15.4159

## Tritanomaly

74.0130, 20.6996, 34.1916

# Monochromacy



## Achromatopsia

58.0000, 0.0000, 0.0000

## Achromatomaly

58.0930, 22.6322, 20.9664

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 58.3510, 61.9450, 58.4512 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(125, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 184)  
}
```

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(125, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 184) }
```

## Border

The CSS property to change the border of an element to YUV 58.3510, 61.9450, 58.4512 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(125, 0, 184) }
```

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

```
.border{ border-color:rgb(125, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
184) }
```



# Background

The CSS property to change the background color of an element to YUV 58.3510, 61.9450, 58.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 184) }
```

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

```
.background{ background-color: rgb(125, 0,  
184) }
```

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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