

# Converting Colors

YUV(58.8270, 12.9033, 61.5417)

Have a look what the booklet for  
YUV(58.8270, 12.9033, 61.5417)  
contains.

<b>YUV(58.8270, 12.9033, 61.5417)</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(58.8270, 12.9033,  
61.5417)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	811255
RGB	129, 18, 85
RGB Percent	51%, 7%, 33%
CMY	0.4941, 0.9294, 0.6667
CMYK	0.00, 0.86, 0.34, 0.49
HSL	324°, 76%, 29%
HSV	324°, 86%, 51%
XYZ	10.9093, 5.7556, 9.1303
YIQ	58.8270, 44.6490, 44.3690

# Conversions

## Conversions Part 2

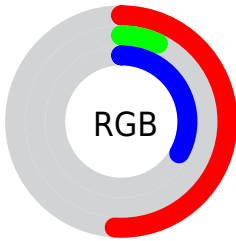
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 18, 85
Decimal	8458837
CIE <sub>Lab</sub>	28.79, 49.94, -10.32
CIE <sub>LCh</sub>	29, 50.997, 348.324
Yxy	5.7556, 0.4229, 0.2231
Android (android.graphics.Color)	4286648917 (0xFF811255)
YUV	58.8270, 12.9033, 61.5417
Hunter-Lab	23.9909, 39.1845, -5.7706

# Details

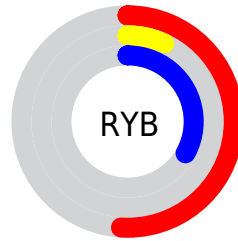
The YUV color **58.8270, 12.9033, 61.5417** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **88.1730, -12.9033, -61.5417**, and the grayscale version is **59.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.9040, 9.4143, 60.5972**, and **26.9850, 6.4164, 42.1092** is the 20% darker color. If you saturate the color by 10%, you get **50.6260, 14.4814, 68.7340**, and if you desaturate by 10%, it is **67.0280, 11.3252, 54.3494**.

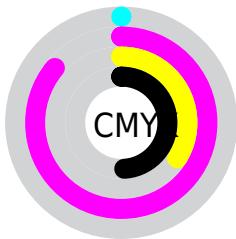
# Distribution



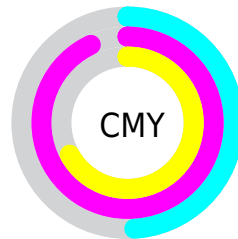
- Red (51%)
- Green (7%)
- Blue (33%)



- Red (51%)
- Yellow (7%)
- Blue (33%)



- Cyan (0%)
- Magenta (86%)
- Yellow (34%)
- Black (49%)



- Cyan (49%)
- Magenta (93%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 58.8270, 12.9033, 61.5417 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 58.8270, 12.9033, 61.5417 by changing the saturation by 10% instead.



■ 58.8270, 12.9033,  
61.5417

■ 58.8270, 12.9033,  
61.5417

■ 255.0000, 0.0000,  
0.0000

■ 37.5660, 12.0460,  
56.5086

■ 115.9040, 9.4143,  
60.5972

■ 26.9850, 6.4164,  
42.1092

■ 143.6870, 8.5353,  
62.5415

■ 17.4150, 0.7814,  
29.4540

■ 171.2850, 8.2405,  
63.7711

■ 1.1960, -0.5896,  
2.4591

■ 193.6150, 11.0358,  
53.8346


■ 0.0000, 0.0000,  
0.0000


■ 213.2430, 15.1632,  
36.6209


■ 231.5200, 11.5756,


20.5920


 248.5430, 3.1833,  
5.6628


 58.8270, 12.9033,  
61.5417


 58.8270, 12.9033,  
61.5417


 50.6260, 14.4814,  
68.7340


 67.0280, 11.3252,  
54.3494

 47.4630, 15.0547,  
71.5079

 75.2290, 9.7471,  
47.1572

 83.4300, 8.1690,  
39.9649

 91.6310, 6.5909,  
32.7726

 99.9460, 5.4496,  
25.4804

■ 107.5600, 4.1609,  
18.8029

■ 115.7610, 2.5828,  
11.6106

■ 123.9620, 1.0047,  
4.4183

■ 132.1630, -0.5734,  
-2.7740

# Harmonies

## Analogous

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



68.9240, 25.6735, 25.4997



58.8270, 12.9033, 61.5417



55.5880, -4.7269, 69.6443

# Triad

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



58.8270, 12.9033, 61.5417



61.3890, -30.2648, 0.5358



63.1990, 31.4539, -55.4255

# Complementary

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



58.8270, 12.9033, 61.5417



88.1730, -12.9033, -61.5417

# 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.



60.3830, 15.5872, -52.9559



58.8270, 12.9033, 61.5417



47.5300, -20.9673, -41.6838

# Square

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



58.8270, 12.9033, 61.5417



64.8100, -31.9513, 28.2306



55.1220, -2.0321, -48.3420



61.8430, 41.4894, -54.2363



# Rectangle

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



58.8270, 12.9033, 61.5417



60.0370, -19.2452, 59.6036



55.1220, -2.0321, -48.3420



62.5320, 26.3597, -54.8406

# Sweetspot

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



58.8270, 12.9033, 61.5417



140.8210, 5.0182, 23.8360



43.5110, 42.1461, 15.3379



67.5980, 3.1562, 14.3846



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



58.8270, 12.9033, 61.5417



61.8600, 19.7890, 93.0848



52.6710, -10.6838, 66.9405



59.5490, 0.7153, 3.9035



47.0500, 14.7654, 70.9931



0.0000, 0.0000, 0.0000



# Inverse Universe

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



58.8270, 12.9033, 61.5417



61.8600, 19.7890, 93.0848



94.3290, 10.6838, -66.9405



59.5490, 0.7153, 3.9035



47.0500, 14.7654, 70.9931

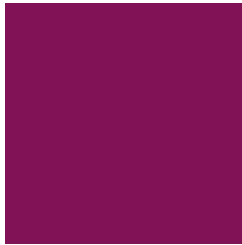


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 58.8270, 12.9033, 61.5417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

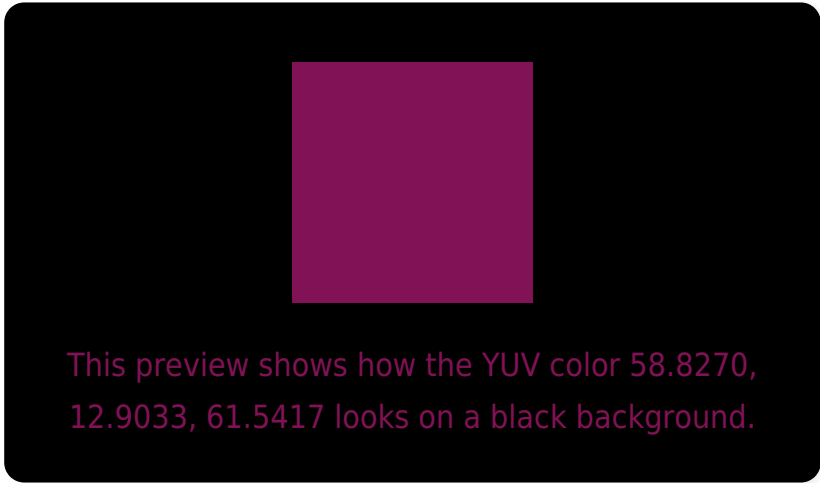
Any Text WCAG AA ✓ Pass

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

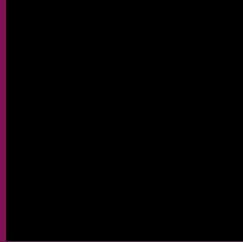
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 58.8270, 12.9033, 61.5417

## Background



This preview shows how black text looks on a background with the YUV color 58.8270, 12.9033, 61.5417.



This preview shows how white text looks on a background with the YUV color 58.8270, 12.9033,



# 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

58.8270, 12.9033, 61.5417

### Protanopia

68.0190, 24.6406, -16.6797

### Deuteranopia

70.4500, 4.2152, 1.3594



## Tritanopia

63.7250, -12.6824, 54.6152

# Trichromacy



## Original Color

58.8270, 12.9033, 61.5417

## Protanomaly

64.7560, 20.3333, 11.6150

## Deuteranomaly

66.3910, 7.2022, 23.3361

## Tritanomaly

61.8530, -3.3785, 57.1339

# Monochromacy



## Original Color

58.8270, 12.9033, 61.5417

## Achromatopsia

59.0000, 0.0000, 0.0000

## Achromatomaly

58.6960, 4.5869, 22.1916

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 58.8270, 12.9033, 61.5417 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(129, 18, 85)` looks like.

```
.text, #text, p{  
    color:rgb(129, 18, 85)  
}
```

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(129, 18, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 18, 85) }
```

## Border

The CSS property to change the border of an element to YUV 58.8270, 12.9033, 61.5417 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(129, 18, 85) }
```



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

```
.border{ border-color:rgb(129, 18, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 18, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 18, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 18, 85);  
box-shadow:4px 4px 4px 4px rgb(129, 18,  
85) }
```

# Background

The CSS property to change the background color of an element to YUV 58.8270, 12.9033, 61.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 18, 85) }
```

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

```
.background{ background-color: rgb(129, 18,  
85) }
```

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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