

# Converting Colors

YUV(59.2990, 30.4186, 43.5878)

Have a look what the booklet for  
YUV(59.2990, 30.4186, 43.5878)  
contains.

<b>YUV(59.2990, 30.4186, 43.5878)</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(59.2990, 30.4186,  
43.5878)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D1679
RGB	109, 22, 121
RGB Percent	43%, 9%, 47%
CMY	0.5725, 0.9137, 0.5255
CMYK	0.10, 0.82, 0.00, 0.53
HSL	293°, 69%, 28%
HSV	293°, 82%, 47%
XYZ	10.0448, 5.2055, 18.5645
YIQ	59.2990, 20.0730, 49.2330

# Conversions

## Conversions Part 2

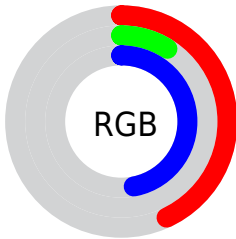
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 22, 121
Decimal	7149177
CIE <sub>Lab</sub>	27.31, 49.70, -36.23
CIE <sub>LCh</sub>	27, 61.503, 323.914
Yxy	5.2055, 0.2971, 0.1539
Android (android.graphics.Color)	4285339257 (0xFF6D1679)
YUV	59.2990, 30.4186, 43.5878
Hunter-Lab	22.8156, 38.6591, -32.2720

# Details

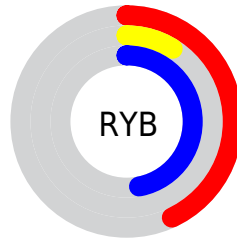
The YUV color **59.2990, 30.4186, 43.5878** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **83.7010, -30.4186, -43.5878**, and the grayscale version is **59.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.0710, 29.5450, 43.7877**, and **25.2510, 23.0473, 27.8439** is the 20% darker color. If you saturate the color by 10%, you get **51.9560, 34.0387, 49.1506**, and if you desaturate by 10%, it is **66.6420, 26.7985, 38.0250**.

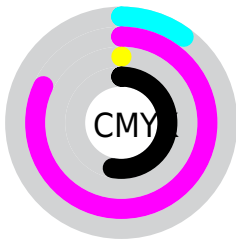
# Distribution



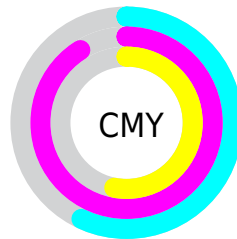
- Red (43%)
- Green (9%)
- Blue (47%)



- Red (43%)
- Yellow (9%)
- Blue (47%)



- Cyan (10%)
- Magenta (82%)
- Yellow (0%)
- Black (53%)



- Cyan (57%)
- Magenta (91%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 59.2990, 30.4186, 43.5878 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 59.2990, 30.4186, 43.5878 by changing the saturation by 10% instead.



■ 59.2990, 30.4186,  
43.5878

■ 59.2990, 30.4186,  
43.5878

■ 255.0000, 0.0000,  
0.0000

■ 35.7610, 29.6978,  
41.4286

■ 114.0710, 29.5450,  
43.7877

■ 25.2510, 23.0473,  
27.8439

■ 141.4840, 29.8344,  
44.3025

■ 15.7520, 16.3913,  
16.0035

■ 168.3100, 30.4132,  
45.3321

■ 3.5510, 11.0674,  
-3.1142

■ 196.5660, 28.8080,  
46.8616

■ 0.0000, 0.0000,  
0.0000

■ 213.9100, 20.2574,  
36.0359

■ 230.9330, 11.8650,

21.1068

247.9560, 3.4727,  
6.1776

59.2990, 30.4186,  
43.5878

59.2990, 30.4186,  
43.5878

51.9560, 34.0387,  
49.1506

66.6420, 26.7985,  
38.0250

45.4880, 37.2274,  
53.0690

74.2840, 23.0310,  
33.0769

81.6270, 19.4109,  
27.5141

89.2690, 15.6434,  
22.5661

96.6120, 12.0233,  
17.0033

■ 104.8410, 7.9664,  
11.5404

■ 112.1840, 4.3463,  
5.9776

■ 119.8260, 0.5788,  
1.0296

■ 127.1690, -3.0413,  
-4.5332

# Harmonies

## Analogous

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



51.9830, 49.3084, -42.0811



59.2990, 30.4186, 43.5878



50.2250, 12.7071, 77.8557

# Triad

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



59.2990, 30.4186, 43.5878



61.5320, -30.3353, 23.2124



60.3490, 20.5339, -52.9261

# Complementary

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



59.2990, 30.4186, 43.5878



83.7010, -30.4186, -43.5878

# 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.



54.1760, -0.5798, -47.5124



59.2990, 30.4186, 43.5878



55.7080, -27.4640, -11.1449

# Square

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



59.2990, 30.4186, 43.5878



56.4360, -27.8229, 57.4996



46.3730, -22.8619, -40.6691



64.2080, 37.8585, -56.3104



# Rectangle

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



59.2990, 30.4186, 43.5878



47.8870, -1.4233, 83.4141



46.3730, -22.8619, -40.6691



58.5250, 13.5452, -51.3264

# Sweetspot

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



59.2990, 30.4186, 43.5878



133.6120, 12.0233, 17.0033



40.9170, 39.4809, -16.5902



64.0150, 7.3876, 10.5108



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



59.2990, 30.4186, 43.5878



61.3340, 47.6563, 68.1131



58.7830, 12.9250, 54.5643



57.1790, 1.8838, 2.4740



47.1400, 38.3850, 55.1282



95.1060, 77.3487, 111.2860



# Inverse Universe

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



52.9690, -9.3517, 59.6632



51.5110, -14.5489, 93.3909



84.2170, -12.9250, -54.5643



56.9080, -0.4476, 3.5887



39.0850, -11.8739, 75.3475



78.8820, -23.6058, 151.8245



# Previews

## White Background



This preview shows how the YUV color 59.2990, 30.4186, 43.5878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

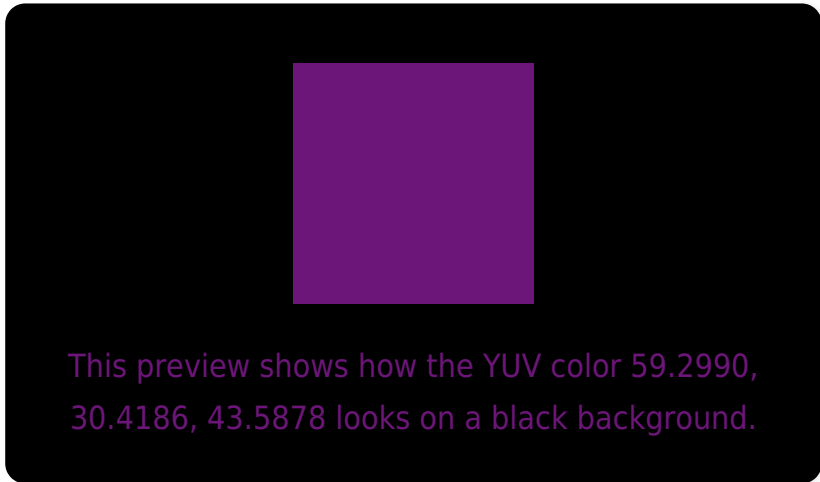
Any Text WCAG AA ✓ Pass

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

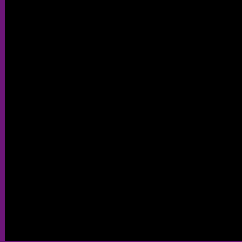
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 59.2990, 30.4186, 43.5878

## Background



This preview shows how black text looks on a background with the YUV color 59.2990, 30.4186, 43.5878.



This preview shows how white text looks on a background with the YUV color 59.2990, 30.4186,



# 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

59.2990, 30.4186, 43.5878

### Protanopia

52.9580, 40.4467, -46.4442

### Deuteranopia

60.6970, 26.2784, -28.6753



## Tritanopia

66.2920, -6.0600, 30.4389

# Trichromacy



## Original Color

59.2990, 30.4186, 43.5878

## Protanomaly

55.5430, 36.7073, -13.6312

## Deuteranomaly

60.3180, 27.9442, -2.9099

## Tritanomaly

63.4680, 7.1643, 35.5466

# Monochromacy



## Original Color

59.2990, 30.4186, 43.5878

## Achromatopsia

59.0000, 0.0000, 0.0000

## Achromatomaly

59.3730, 11.1551, 15.4589

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 59.2990, 30.4186, 43.5878 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(109, 22, 121)` looks like.

```
.text, #text, p{  
    color:rgb(109, 22, 121)  
}
```

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(109, 22, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 22, 121) }
```

## Border

The CSS property to change the border of an element to YUV 59.2990, 30.4186, 43.5878 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(109, 22, 121) }
```



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

```
.border{ border-color:rgb(109, 22, 121) }
```

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

Here you see how a box with a 4 pixel rgb(109, 22, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 22, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 22, 121);  
box-shadow:4px 4px 4px 4px rgb(109, 22,  
121) }
```

# Background

The CSS property to change the background color of an element to YUV 59.2990, 30.4186, 43.5878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 22, 121) }
```

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

```
.background{ background-color: rgb(109, 22,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor