

# Converting Colors

YUV(80.7370, 29.2167, 9.0007)

Have a look what the booklet for  
YUV(80.7370, 29.2167, 9.0007)  
contains.

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# Color

**YUV(80.7370, 29.2167,  
9.0007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B408C
RGB	91, 64, 140
RGB Percent	36%, 25%, 55%
CMY	0.6431, 0.7490, 0.4510
CMYK	0.35, 0.54, 0.00, 0.45
HSL	261°, 37%, 40%
HSV	261°, 54%, 55%
XYZ	10.8814, 7.7844, 25.7400
YIQ	80.7370, -8.3040, 29.3600

# Conversions

## Conversions Part 2

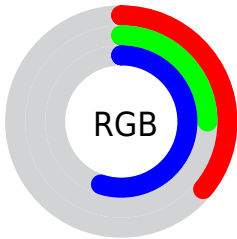
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 64, 140
Decimal	5980300
CIE <sub>Lab</sub>	33.53, 29.29, -38.27
CIE <sub>LCh</sub>	34, 48.193, 307.433
Yxy	7.7844, 0.2450, 0.1753
Android (android.graphics.Color)	4284170380 (0xFF5B408C)
YUV	80.7370, 29.2167, 9.0007
Hunter-Lab	27.9005, 20.7904, -35.1684

# Details

The YUV color **80.7370, 29.2167, 9.0007** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **123.2630, -29.2167, -9.0007**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.5030, 30.8110, 10.9599**, and **33.2590, 27.4803, 5.9119** is the 20% darker color. If you saturate the color by 10%, you get **69.8280, 34.5948, 10.6748**, and if you desaturate by 10%, it is **91.6460, 23.8385, 7.3265**.

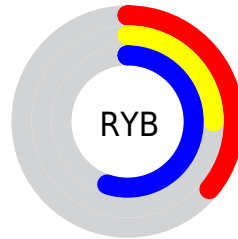
# Distribution



Red (36%)

Green (25%)

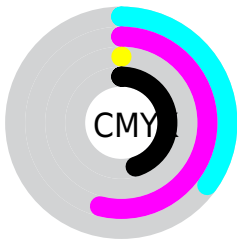
Blue (55%)



Red (36%)

Yellow (25%)

Blue (55%)

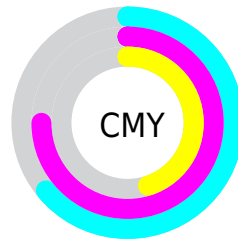


Cyan (35%)

Magenta (54%)

Yellow (0%)

Black (45%)



Cyan (64%)

Magenta (75%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 80.7370, 29.2167, 9.0007 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 80.7370, 29.2167, 9.0007 by changing the saturation by 10% instead.



80.7370, 29.2167,  
9.0007

80.7370, 29.2167,  
9.0007

255.0000, 0.0000,  
0.0000

56.4980, 28.3485,  
7.4563

131.5030, 30.8110,  
10.9599

33.2590, 27.4803,  
5.9119

157.4430, 31.8266,  
11.8895

11.8950, 26.1808,  
2.7231

184.9700, 32.5528,  
12.3043

5.9620, 17.7667,  
-5.2287

209.9460, 22.2116,  
15.8334

2.9810, 8.8834,  
-2.6143

234.4550, 10.1287,  
18.0180

0.0000, 0.0000,  
0.0000

251.4780, 1.7363,

3.0888

■ 80.7370, 29.2167,  
9.0007

■ 80.7370, 29.2167,  
9.0007

■ 69.8280, 34.5948,  
10.6748

■ 91.6460, 23.8385,  
7.3265

■ 58.9190, 39.9729,  
12.3490

■ 102.5550, 18.4604,  
5.6523

■ 48.0100, 45.3511,  
14.0232

■ 113.4640, 13.0822,  
3.9781

■ 37.1010, 50.7292,  
15.6974

■ 124.3730, 7.7041,  
2.3039

■ 30.9100, 53.7814,  
16.7419

■ 135.2820, 2.3260,  
0.6297

■ 146.1910, -3.0522,  
-1.0445

■ 157.1000, -8.4303,  
-2.7187

■ 168.0090,  
-13.8084, -4.3929

■ 178.9180,  
-19.1866, -6.0671

# Harmonies

## Analogous

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



64.6300, 44.5524, -56.6805



80.7370, 29.2167, 9.0007



78.0100, 15.2781, 46.4722

# Triad

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



80.7370, 29.2167, 9.0007



74.3230, -36.6412, 39.1817



66.3840, 10.6567, -58.2188

# Complementary

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



80.7370, 29.2167, 9.0007



123.2630, -29.2167, -9.0007

# 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.



60.6500, -6.2364, -53.1900



80.7370, 29.2167, 9.0007



72.9730, -35.9757, 12.3017

# Square

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



80.7370, 29.2167, 9.0007



73.9120, -19.6766, 57.9592



66.6810, -29.9157, -18.1372



70.0150, 27.1076, -61.4032



# Rectangle

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



80.7370, 29.2167, 9.0007



73.4650, 5.1938, 60.9822



66.6810, -29.9157, -18.1372



64.7880, 4.5415, -56.8191

# Sweetspot

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



80.7370, 29.2167, 9.0007



158.2960, 11.1931, 3.2484



101.4270, 19.0165, -32.8235



78.1450, 6.8305, 2.5038



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



80.7370, 29.2167, 9.0007



89.0100, 45.3511, 14.0232



92.0990, 23.6152, 32.3622



63.3960, 2.7628, 0.5297



29.2150, 51.1660, 15.5974



1.1680, 1.8892, 0.7297



# Inverse Universe

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



92.3100, 10.2002, 41.8241



106.9460, 15.8026, 64.9454



111.9010, -23.6152, -32.3622



64.5490, 0.7153, 3.9035



49.4570, 17.5227, 73.2672



1.8370, 0.5734, 2.7740



# Previews

## White Background



This preview shows how the YUV color 80.7370, 29.2167, 9.0007 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 80.7370, 29.2167, 9.0007 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 80.7370, 29.2167, 9.0007**

## **Background**



This preview shows how black text looks on a background with the YUV color 80.7370, 29.2167, 9.0007.



This preview shows how white text looks on a background with the YUV color 80.7370, 29.2167,



# 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

80.7370, 29.2167, 9.0007

### Protanopia

72.8070, 39.5351, -34.0337

### Deuteranopia

72.7440, 31.6782, -33.9785



## Tritanopia

78.9830, 2.4734, 0.0149

# Trichromacy



## Original Color

80.7370, 29.2167, 9.0007

## Protanomaly

75.5810, 35.7026, -18.0495

## Deuteranomaly

75.6150, 30.7558, -18.0794

## Tritanomaly

79.5240, 12.0667, 3.0485

# Monochromacy



## Original Color

80.7370, 29.2167, 9.0007

## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

81.0680, 10.3195, 3.4484

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 80.7370, 29.2167, 9.0007 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(91, 64, 140)` looks like.

```
.text, #text, p{  
    color:rgb(91, 64, 140)  
}
```

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(91, 64, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 64, 140) }
```

## Border

The CSS property to change the border of an element to YUV 80.7370, 29.2167, 9.0007 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(91, 64, 140) }
```



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

```
.border{ border-color:rgb(91, 64, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 64, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 64, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 64, 140);  
box-shadow:4px 4px 4px 4px rgb(91, 64,  
140) }
```

# Background

The CSS property to change the background color of an element to YUV 80.7370, 29.2167, 9.0007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 64, 140) }
```

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

```
.background{ background-color: rgb(91, 64,  
140) }
```

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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