

# Converting Colors

YUV(58.6910, 69.1723,  
-19.9000)

Have a look what the booklet for  
YUV(58.6910, 69.1723, -19.9000)  
contains.

<b>YUV(58.6910, 69.1723, -19.9000)</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(58.6910, 69.1723,  
-19.9000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	242BC7
RGB	36, 43, 199
RGB Percent	14%, 17%, 78%
CMY	0.8588, 0.8314, 0.2196
CMYK	0.82, 0.78, 0.00, 0.22
HSL	237°, 69%, 46%
HSV	237°, 82%, 78%
XYZ	11.9002, 6.2263, 54.6074
YIQ	58.6910, -54.2480, 47.0320

# Conversions

## Conversions Part 2

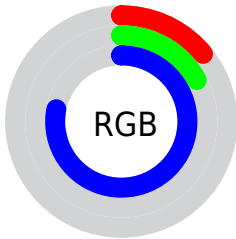
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 43, 199
Decimal	2370503
CIE <sub>Lab</sub>	29.98, 51.96, -79.63
CIE <sub>LCh</sub>	30, 95.085, 303.125
Yxy	6.2263, 0.1636, 0.0856
Android (android.graphics.Color)	4280560583 (0xFF242BC7)
YUV	58.6910, 69.1723, -19.9000
Hunter-Lab	24.9526, 41.4618, -112.2859

# Details

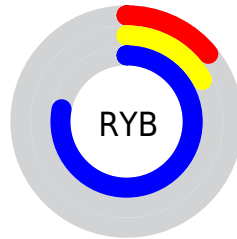
The YUV color **58.6910, 69.1723, -19.9000** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **176.3090, -69.1723, 19.9000**, and the grayscale version is **58.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **116.2740, 68.3919, -2.8713**, and **16.3020, 62.4621, -14.2969** is the 20% darker color. If you saturate the color by 10%, you get **41.5580, 77.6189, -22.4144**, and if you desaturate by 10%, it is **75.8240, 60.7258, -17.3856**.

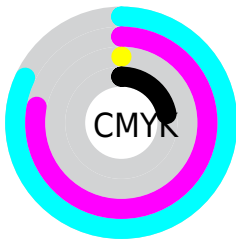
# Distribution



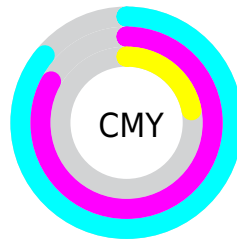
- Red (14%)
- Green (17%)
- Blue (78%)



- Red (14%)
- Yellow (17%)
- Blue (78%)



- Cyan (82%)
- Magenta (78%)
- Yellow (0%)
- Black (22%)



- Cyan (86%)
- Magenta (83%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 58.6910, 69.1723, -19.9000 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 58.6910, 69.1723, -19.9000 by changing the saturation by 10% instead.



■ 58.6910, 69.1723,  
-19.9000

■ 58.6910, 69.1723,  
-19.9000

■ 255.0000, 0.0000,  
0.0000

■ 30.6470, 69.1940,  
-26.8774

■ 116.2740, 68.3919,  
-2.8713

■ 16.3020, 62.4621,  
-14.2969

■ 140.8050, 56.2981,  
2.8020

■ 13.3380, 51.1054,  
-11.6974

■ 165.3360, 44.2044,  
8.4753

■ 14.4830, 37.7229,  
-12.7016

■ 190.4540, 31.8212,  
13.6338

■ 11.6330, 26.8029,  
-10.2021

■ 216.1590, 19.1486,  
18.2776

■ 6.6630, 17.9141,  
-5.8435

■ 237.9770, 8.3923,

■ 3.0950, 9.3202,

14.9292

-2.7143

■ 0.0000, 0.0000,  
0.0000

■ 58.6910, 69.1723,  
-19.9000

■ 58.6910, 69.1723,  
-19.9000

■ 41.5580, 77.6189,  
-22.4144

■ 75.8240, 60.7258,  
-17.3856

■ 27.9690, 84.3183,  
-24.5288

■ 92.9570, 52.2792,  
-14.8713

■ 110.0900, 43.8326,  
-12.3569

■ 127.2230, 35.3861,  
-9.8426

■ 144.3560, 26.9395,  
-7.3282

■ 161.1900, 18.6403,  
-5.4286

■ 178.3230, 10.1938,  
-2.9143

■ 195.4560, 1.7472,  
-0.3999

■ 212.5890, -6.6994,  
2.1144

# Harmonies

## Analogous

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



73.7840, 74.5495, -64.7086



58.6910, 69.1723, -19.9000



62.7890, 37.5720, 82.6230

# Triad

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



58.6910, 69.1723, -19.9000



59.1600, -29.1659, 68.2657



63.9560, 6.4307, -56.0894

# Complementary

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



58.6910, 69.1723, -19.9000



176.3090, -69.1723, 19.9000

# 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.



54.0040, -26.6240, -47.3615



58.6910, 69.1723, -19.9000



65.8960, -32.4867, 13.2462

# Square

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



58.6910, 69.1723, -19.9000



52.6240, -25.9436, 108.2008



50.4820, -24.8876, -44.2727



73.6800, 38.6118, -64.6174



# Rectangle

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



58.6910, 69.1723, -19.9000



65.0910, 12.7731, 103.4062



50.4820, -24.8876, -44.2727



60.4050, -4.6367, -52.9752

# Sweetspot

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



58.6910, 69.1723, -19.9000



200.0570, 27.0869, -7.9430



149.3510, 20.5330, -99.4088



94.6200, 16.4563, -4.9287



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



58.6910, 69.1723, -19.9000



39.9570, 106.0162, -30.6573



76.4090, 60.4374, 28.5823



91.0260, 3.9312, -0.8998



22.6910, 69.1723, -19.9000



5.2780, 15.1459, -4.6288



# Inverse Universe

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



85.5350, -20.9698, 99.5088



81.0040, -32.0470, 152.5945



158.5910, -60.4374, -28.5823



92.6910, -1.3267, 5.5330



49.5350, -20.9698, 99.5088

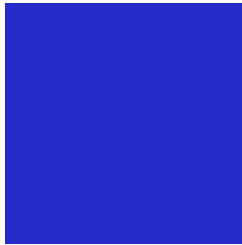


10.9920, -4.4331, 21.9320



# Previews

## White Background



This preview shows how the YUV color 58.6910, 69.1723, -19.9000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

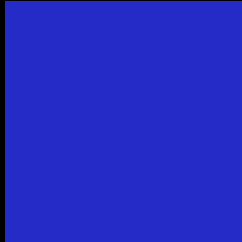
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 58.6910, 69.1723, -19.9000 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 58.6910, 69.1723, -19.9000

## Background



This preview shows how black text looks on a background with the YUV color 58.6910, 69.1723, -19.9000.



This preview shows how white text looks on a background with the YUV color 58.6910, 69.1723,

-19.9000.

# 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

58.6910, 69.1723, -19.9000

### Protanopia

56.2180, 42.7835, -49.3032

### Deuteranopia

56.6450, 31.7270, -49.6777



## Tritanopia

55.1340, 13.2449, -48.3525

# Trichromacy



## Original Color

58.6910, 69.1723, -19.9000

## Protanomaly

57.1020, 52.2077, -38.6775

## Deuteranomaly

57.2670, 45.2244, -38.8222

## Tritanomaly

56.2920, 33.8730, -37.9671

# Monochromacy



## Original Color

58.6910, 69.1723, -19.9000

## Achromatopsia

59.0000, 0.0000, 0.0000

## Achromatomaly

58.9000, 25.1923, -6.9283

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 58.6910, 69.1723, -19.9000 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(36, 43, 199)` looks like.

```
.text, #text, p{  
    color:rgb(36, 43, 199)  
}
```

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(36, 43, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 43, 199) }
```

## Border

The CSS property to change the border of an element to YUV 58.6910, 69.1723, -19.9000 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(36, 43, 199) }
```



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

```
.border{ border-color:rgb(36, 43, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 43, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 43, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 43, 199);  
box-shadow:4px 4px 4px 4px rgb(36, 43,  
199) }
```

# Background

The CSS property to change the background color of an element to YUV 58.6910, 69.1723, -19.9000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 43, 199) }
```

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

```
.background{ background-color: rgb(36, 43,  
199) }
```

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