

# Converting Colors

YUV(68.9750, 71.9903, 9.6689)

Have a look what the booklet for  
YUV(68.9750, 71.9903, 9.6689)  
contains.

<b>YUV(68.9750, 71.9903, 9.6689)</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(68.9750, 71.9903,  
9.6689)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5023D7
RGB	80, 35, 215
RGB Percent	31%, 14%, 84%
CMY	0.6863, 0.8627, 0.1569
CMYK	0.63, 0.84, 0.00, 0.16
HSL	255°, 72%, 49%
HSV	255°, 84%, 84%
XYZ	16.1750, 7.8138, 64.9457
YIQ	68.9750, -30.9600, 65.5200

# Conversions

## Conversions Part 2

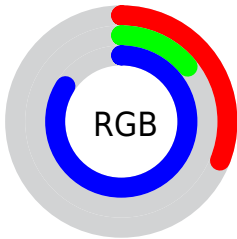
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 35, 215
Decimal	5252055
CIE Lab	33.59, 63.32, -82.85
CIE LCh	34, 104.278, 307.390
Yxy	7.8138, 0.1819, 0.0879
Android (android.graphics.Color)	4283442135 (0xFF5023D7)
YUV	68.9750, 71.9903, 9.6689
Hunter-Lab	27.9532, 54.3702, -118.1853

# Details

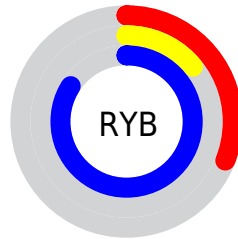
The YUV color **68.9750, 71.9903, 9.6689** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **181.0250, -71.9903, -9.6689**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **124.6680, 64.2537, 17.8312**, and **18.1260, 69.4509, -15.8965** is the 20% darker color. If you saturate the color by 10%, you get **51.8640, 80.4260, 10.6433**, and if you desaturate by 10%, it is **86.6730, 63.2652, 8.1798**.

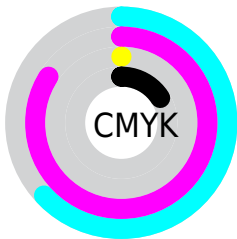
# Distribution



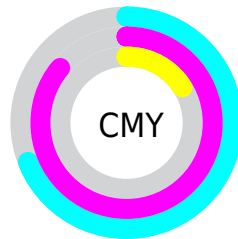
- Red (31%)
- Green (14%)
- Blue (84%)



- Red (31%)
- Yellow (14%)
- Blue (84%)



- Cyan (63%)
- Magenta (84%)
- Yellow (0%)
- Black (16%)



- Cyan (69%)
- Magenta (86%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.9750, 71.9903, 9.6689 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 68.9750, 71.9903, 9.6689 by changing the saturation by 10% instead.



■ 68.9750, 71.9903,  
9.6689

■ 68.9750, 71.9903,  
9.6689

■ 255.0000, 0.0000,  
0.0000

■ 32.8650, 75.4956,  
5.3804

■ 124.6680, 64.2537,  
17.8312

■ 18.1260, 69.4509,  
-15.8965

■ 149.1990, 52.1599,  
23.5045

■ 14.9340, 57.2205,  
-13.0971

■ 174.3170, 39.7767,  
28.6630

■ 11.9700, 45.8638,  
-10.4977

■ 200.0220, 27.1042,  
33.3067

■ 14.9900, 32.0499,  
-13.1462

■ 221.5410, 16.4953,  
29.3435

■ 9.3190, 23.0137,  
-8.1728

■ 237.9770, 8.3923,

■ 4.9360, 13.8356,

14.9292

-4.3289

■ 0.7980, 3.0576,  
-0.6998

■ 0.0000, 0.0000,  
0.0000

■ 68.9750, 71.9903,  
9.6689

■ 68.9750, 71.9903,  
9.6689

■ 51.8640, 80.4260,  
10.6433

■ 86.6730, 63.2652,  
8.1798

■ 40.6560, 85.9516,  
11.7027

■ 103.7840, 54.8295,  
7.2054

■ 121.4820, 46.1044,  
5.7163

■ 138.8920, 37.5212,  
5.3567

■ 156.5900, 28.7961,  
3.8676

■ 173.7010, 20.3604,  
2.8932

■ 191.3990, 11.6353,  
1.4041

■ 208.5100, 3.1996,  
0.4297

■ 226.2080, -5.5255,  
-1.0594

# Harmonies

## Analogous

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



80.1560, 83.7331, -70.2968



68.9750, 71.9903, 9.6689



71.5460, 36.2128, 98.6222

# Triad

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



68.9750, 71.9903, 9.6689



69.7700, -34.3966, 65.9767



72.9210, 12.8569, -63.9517

# Complementary

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



68.9750, 71.9903, 9.6689



181.0250, -71.9903, -9.6689

# 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.



60.4610, -29.8073, -53.0243



68.9750, 71.9903, 9.6689



72.3420, -35.6646, 5.8391

# Square

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



68.9750, 71.9903, 9.6689



57.1090, -28.1547, 117.4224



57.5260, -28.3603, -50.4503



83.9160, 47.3694, -73.5943



# Rectangle

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



68.9750, 71.9903, 9.6689



72.2670, 9.2354, 118.1608



57.5260, -28.3603, -50.4503



69.6150, 0.1898, -61.0524

# Sweetspot

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



68.9750, 71.9903, 9.6689



203.0800, 25.5966, 3.4378



134.7650, 39.5559, -87.4939



96.4360, 15.5611, 2.2486



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.



68.9750, 71.9903, 9.6689



48.2060, 101.9494, 13.8513



95.8850, 58.7237, 64.9989



98.1510, 4.3626, 0.7446



32.3510, 68.3540, 9.3392



8.1910, 17.1608, 2.4635



# Inverse Universe

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



104.2100, 32.4345, 97.1628



98.0190, 45.8396, 137.6723



154.1150, -58.7237, -64.9989



100.2010, 1.8729, 5.9627



65.7210, 30.7035, 92.3297

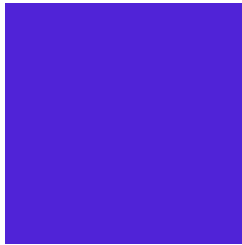


16.6190, 8.0758, 23.1361



# Previews

## White Background



This preview shows how the YUV color 68.9750, 71.9903, 9.6689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

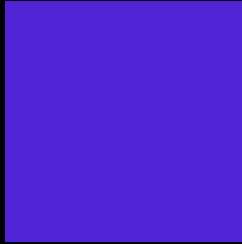
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 68.9750, 71.9903, 9.6689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

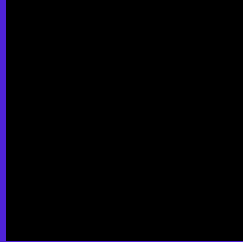
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 68.9750, 71.9903, 9.6689

## Background



This preview shows how black text looks on a background with the YUV color 68.9750, 71.9903, 9.6689.



This preview shows how white text looks on a background with the YUV color 68.9750, 71.9903,



# 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

68.9750, 71.9903, 9.6689

### Protanopia

62.8520, 47.8940, -55.1212

### Deuteranopia

63.1650, 36.4007, -55.3957



## Tritanopia

62.3720, 15.5926, -54.7002

# Trichromacy



## Original Color

68.9750, 71.9903, 9.6689

## Protanomaly

64.9980, 56.6960, -31.5702

## Deuteranomaly

65.0490, 49.2758, -31.6150

## Tritanomaly

64.9060, 36.0353, -31.4896

# Monochromacy



## Original Color

68.9750, 71.9903, 9.6689

## Achromatopsia

69.0000, 0.0000, 0.0000

## Achromatomaly

69.1940, 26.0334, 3.3379

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.9750, 71.9903, 9.6689 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(80, 35, 215)` looks like.

```
.text, #text, p{  
    color:rgb(80, 35, 215)  
}
```

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(80, 35, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 35, 215) }
```

## Border

The CSS property to change the border of an element to YUV 68.9750, 71.9903, 9.6689 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(80, 35, 215) }
```



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

```
.border{ border-color:rgb(80, 35, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 35, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 35, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 35, 215);  
box-shadow:4px 4px 4px 4px rgb(80, 35,  
215) }
```

# Background

The CSS property to change the background color of an element to YUV 68.9750, 71.9903, 9.6689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 35, 215) }
```

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

```
.background{ background-color: rgb(80, 35,  
215) }
```

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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