

# Converting Colors

YUV(70.9920, 19.2309, 38.5950)

Have a look what the booklet for  
YUV(70.9920, 19.2309, 38.5950)  
contains.

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# Color

**YUV(70.9920, 19.2309,  
38.5950)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	73296E
RGB	115, 41, 110
RGB Percent	45%, 16%, 43%
CMY	0.5490, 0.8392, 0.5686
CMYK	0.00, 0.64, 0.04, 0.55
HSL	304°, 47%, 31%
HSV	304°, 64%, 45%
XYZ	10.6776, 6.3565, 15.4160
YIQ	70.9920, 21.9550, 37.1470

# Conversions

## Conversions Part 2

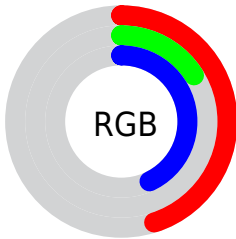
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 41, 110
Decimal	7547246
CIE <sub>Lab</sub>	30.29, 41.71, -24.42
CIE <sub>LCh</sub>	30, 48.336, 329.652
Yxy	6.3565, 0.3290, 0.1959
Android (android.graphics.Color)	4285737326 (0xFF73296E)
YUV	70.9920, 19.2309, 38.5950
Hunter-Lab	25.2121, 31.4758, -18.6045

# Details

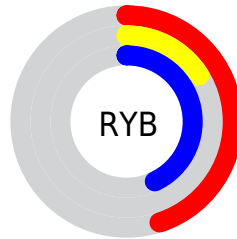
The YUV color **70.9920, 19.2309, 38.5950** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **85.0080, -19.2309, -38.5950**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **123.0030, 19.2255, 40.3394**, and **26.2040, 17.6474, 33.1471** is the 20% darker color. If you saturate the color by 10%, you get **64.4210, 21.9774, 44.3578**, and if you desaturate by 10%, it is **78.1500, 16.1951, 32.3175**.

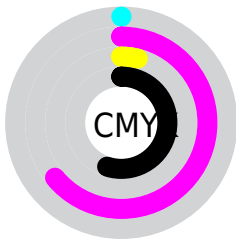
# Distribution



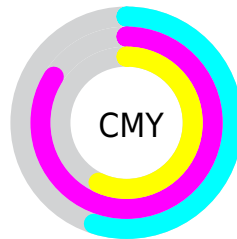
- Red (45%)
- Green (16%)
- Blue (43%)



- Red (45%)
- Yellow (16%)
- Blue (43%)



- Cyan (0%)
- Magenta (64%)
- Yellow (4%)
- Black (55%)



- Cyan (55%)
- Magenta (84%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.9920, 19.2309, 38.5950 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 70.9920, 19.2309, 38.5950 by changing the saturation by 10% instead.



70.9920, 19.2309,  
38.5950

70.9920, 19.2309,  
38.5950

255.0000, 0.0000,  
0.0000

43.9320, 20.2465,  
39.5246

123.0030, 19.2255,  
40.3394

26.2040, 17.6474,  
33.1471

149.7150, 19.3675,  
41.4689

17.4170, 11.1334,  
22.4363

176.8400, 19.7989,  
43.1133

2.5250, 7.1362,  
-2.2144

205.2530, 20.0883,  
43.6281

0.0000, 0.0000,  
0.0000

222.1280, 16.2059,  
28.8287

239.1510, 7.8136,

13.8996

■ 70.9920, 19.2309,  
38.5950

■ 70.9920, 19.2309,  
38.5950

■ 64.4210, 21.9774,  
44.3578

■ 78.1500, 16.1951,  
32.3175

■ 57.2630, 25.0133,  
50.6353

■ 84.7210, 13.4485,  
26.5547

■ 50.8060, 28.1966,  
56.2981

■ 91.7650, 9.9759,  
20.3771

■ 46.5830, 29.7856,  
60.0017

■ 98.3360, 7.2294,  
14.6143

■ 105.4940, 4.1935,  
8.3368

■ 112.0650, 1.4470,  
2.5740

■ 119.1090, -2.0257,  
-3.6036

■ 125.6800, -4.7722,  
-9.3664

■ 132.8380, -7.8081,  
-15.6439

# Harmonies

## Analogous

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



71.1590, 32.4596, -4.5244



70.9920, 19.2309, 38.5950



63.3620, 4.7515, 62.8265

# Triad

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



70.9920, 19.2309, 38.5950



67.4020, -33.2292, 18.0644



63.9680, 21.7078, -56.0999

# Complementary

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



70.9920, 19.2309, 38.5950



85.0080, -19.2309, -38.5950

# 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.



59.6360, 5.1095, -52.3008



70.9920, 19.2309, 38.5950



61.9100, -30.5216, -10.4451

# Square

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



70.9920, 19.2309, 38.5950



66.3820, -32.7263, 43.5150



53.3150, -11.4943, -46.7573



65.3990, 34.8063, -57.3549



# Rectangle

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



70.9920, 19.2309, 38.5950



63.2730, -7.0366, 63.7816



53.3150, -11.4943, -46.7573



62.6000, 16.4662, -54.9002

# Sweetspot

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



70.9920, 19.2309, 38.5950



133.4500, 7.6662, 14.5144



50.9310, 31.5860, -4.3245



66.2060, 4.3354, 9.4663



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



70.9920, 19.2309, 38.5950



81.6970, 30.2224, 59.9017



66.7740, 3.0694, 42.2942



55.3640, 1.2995, 3.1888



49.4740, 31.8113, 63.6053



101.3120, 64.9222, 130.3994



# Inverse Universe

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



70.9920, 19.2309, 38.5950



81.6970, 30.2224, 59.9017



89.2260, -3.0694, -42.2942



55.3640, 1.2995, 3.1888



49.4740, 31.8113, 63.6053

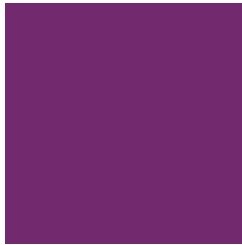


101.3120, 64.9222, 130.3994



# Previews

## White Background



This preview shows how the YUV color 70.9920, 19.2309, 38.5950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

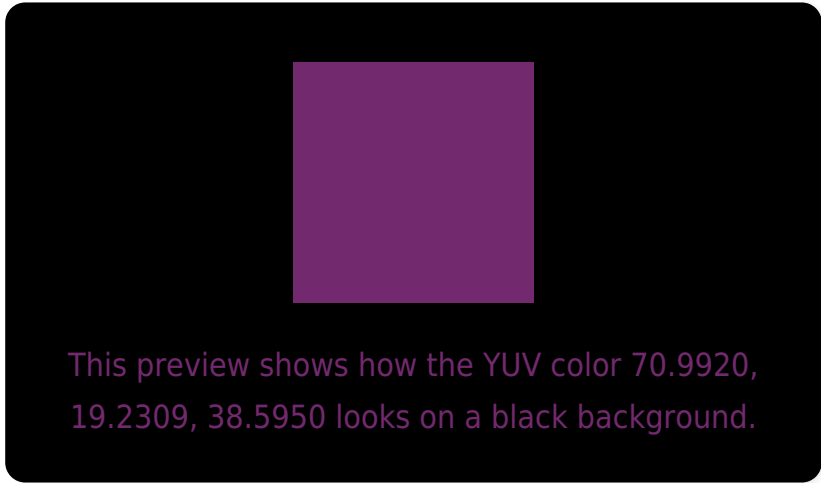
Any Text WCAG AA ✓ Pass

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

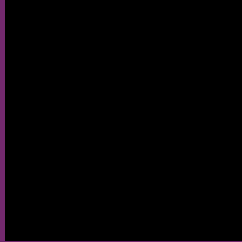
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.9920, 19.2309, 38.5950

## Background



This preview shows how black text looks on a background with the YUV color 70.9920, 19.2309, 38.5950.



This preview shows how white text looks on a background with the YUV color 70.9920, 19.2309,



# 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

70.9920, 19.2309, 38.5950

### Protanopia

67.6570, 33.6931, -26.8862

### Deuteranopia

71.8750, 16.3306, -11.2914



## Tritanopia

72.3030, -6.0654, 32.1833

# Trichromacy



## Original Color

70.9920, 19.2309, 38.5950

## Protanomaly

68.5460, 28.8178, -3.1098

## Deuteranomaly

71.6260, 17.4394, 6.4670

## Tritanomaly

72.0180, 2.9491, 34.1872

# Monochromacy



## Original Color

70.9920, 19.2309, 38.5950

## Achromatopsia

71.0000, 0.0000, 0.0000

## Achromatomaly

70.9230, 6.9400, 14.0995

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.9920, 19.2309, 38.5950 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(115, 41, 110)` looks like.

```
.text, #text, p{  
    color:rgb(115, 41, 110)  
}
```

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(115, 41, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 41, 110) }
```

## Border

The CSS property to change the border of an element to YUV 70.9920, 19.2309, 38.5950 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(115, 41, 110) }
```



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

```
.border{ border-color:rgb(115, 41, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 41, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 41, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 41, 110);  
box-shadow:4px 4px 4px 4px rgb(115, 41,  
110) }
```

# Background

The CSS property to change the background color of an element to YUV 70.9920, 19.2309, 38.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 41, 110) }
```

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

```
.background{ background-color: rgb(115, 41,  
110) }
```

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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