

# Converting Colors

YUV(77.1030, 17.6972, 63.9307)

Have a look what the booklet for  
YUV(77.1030, 17.6972, 63.9307)  
contains.

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# Color

**YUV(77.1030, 17.6972,  
63.9307)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	962171
RGB	150, 33, 113
RGB Percent	59%, 13%, 44%
CMY	0.4118, 0.8706, 0.5569
CMYK	0.00, 0.78, 0.25, 0.41
HSL	319°, 64%, 36%
HSV	319°, 78%, 59%
XYZ	16.1022, 8.7640, 16.4657
YIQ	77.1030, 44.0520, 49.6840

# Conversions

## Conversions Part 2

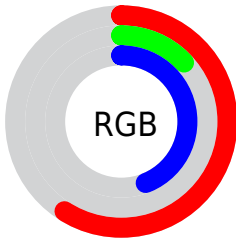
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 33, 113
Decimal	9838961
CIE <sub>Lab</sub>	35.53, 54.57, -17.72
CIE <sub>LCh</sub>	36, 57.373, 342.014
Yxy	8.7640, 0.3896, 0.2120
Android (android.graphics.Color)	4288029041 (0xFF962171)
YUV	77.1030, 17.6972, 63.9307
Hunter-Lab	29.6040, 45.2822, -12.2542

# Details

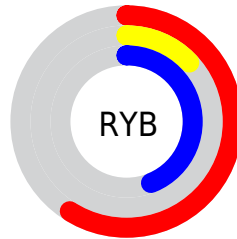
The YUV color **77.1030, 17.6972, 63.9307** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **105.8970, -17.6972, -63.9307**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.1200, 15.2238, 63.9158**, and **35.8150, 14.3882, 51.9052** is the 20% darker color. If you saturate the color by 10%, you get **67.7280, 19.8541, 72.1525**, and if you desaturate by 10%, it is **86.4780, 15.5403, 55.7088**.

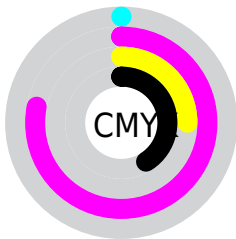
# Distribution



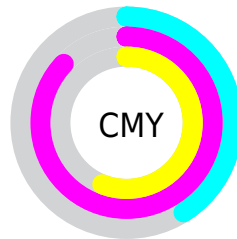
- Red (59%)
- Green (13%)
- Blue (44%)



- Red (59%)
- Yellow (13%)
- Blue (44%)



- Cyan (0%)
- Magenta (78%)
- Yellow (25%)
- Black (41%)




- Cyan (41%)
- Magenta (87%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 77.1030, 17.6972, 63.9307 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 77.1030, 17.6972, 63.9307 by changing the saturation by 10% instead.





 77.1030, 17.6972,  
63.9307


 77.1030, 17.6972,  
63.9307

255.0000, 0.0000,  
0.0000


 46.5100, 20.4546,  
66.2047


 134.1200, 15.2238,  
63.9158


 35.8150, 14.3882,  
51.9052

 162.0170, 14.7816,  
65.7601


 25.2340, 8.7586,  
37.5058

 186.4400, 16.5451,  
60.1271

 15.3650, 3.2711,  
24.2359

 206.1820, 21.1093,  
42.8134

 0.0000, 0.0000,  
0.0000

 223.8890, 15.3377,  
27.2843

 240.9120, 6.9454,

12.3552

■ 77.1030, 17.6972,  
63.9307

■ 77.1030, 17.6972,  
63.9307

■ 67.7280, 19.8541,  
72.1525

■ 86.4780, 15.5403,  
55.7088

■ 58.4670, 22.4478,  
80.2744

■ 95.7390, 12.9467,  
47.5869

■ 56.5920, 22.8791,  
81.9188

■ 105.1140, 10.7898,  
39.3650

■ 114.4890, 8.6329,  
31.1431

■ 123.8640, 6.4760,  
22.9213

■ 133.1250, 3.8824,  
14.7994

■ 142.5000, 1.7255,  
6.5775

■ 151.8750, -0.4314,  
-1.6444

■ 161.2500, -2.5882,  
-9.8663

# Harmonies

## Analogous

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



85.2420, 33.4047, 19.0818



77.1030, 17.6972, 63.9307



69.8760, -1.4179, 81.6697

# Triad

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



77.1030, 17.6972, 63.9307



76.7830, -37.8540, 8.0833



76.2900, 33.3810, -66.9063

# Complementary

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



77.1030, 17.6972, 63.9307



105.8970, -17.6972, -63.9307

# 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.



71.9750, 14.3093, -63.1221



77.1030, 17.6972, 63.9307



65.3110, -32.1983, -32.7217

# Square

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



77.1030, 17.6972, 63.9307



78.7530, -38.8252, 39.6816



65.9160, -6.3676, -57.8083



75.9600, 47.3477, -66.6169



# Rectangle

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



77.1030, 17.6972, 63.9307



73.8800, -17.6888, 73.7732



65.9160, -6.3676, -57.8083



75.3950, 27.4133, -66.1214

# Sweetspot

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



77.1030, 17.6972, 63.9307



165.9890, 6.9074, 24.5656



56.8030, 45.9461, 9.8198



80.1250, 3.8824, 14.7994



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000



# Same Dimension

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



77.1030, 17.6972, 63.9307



80.5540, 27.3349, 99.4921



70.6050, -7.2003, 69.6294



69.6630, 1.1521, 3.8035



51.9780, 20.7168, 75.4413



3.7880, 1.5835, 5.4479



# Inverse Universe

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



77.1030, 17.6972, 63.9307



80.5540, 27.3349, 99.4921



112.3950, 7.2003, -69.6294



69.6630, 1.1521, 3.8035



51.9780, 20.7168, 75.4413



3.7880, 1.5835, 5.4479



# Previews

## White Background



This preview shows how the YUV color 77.1030, 17.6972, 63.9307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

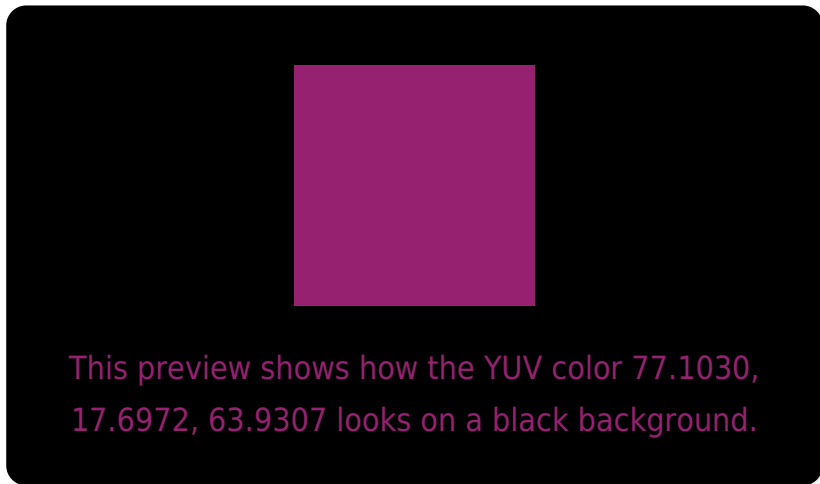
Any Text WCAG AA ✓ Pass

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

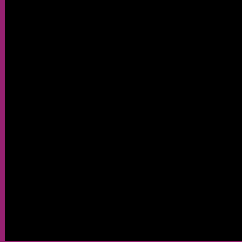
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 77.1030, 17.6972, 63.9307

## Background



This preview shows how black text looks on a background with the YUV color 77.1030, 17.6972, 63.9307.



This preview shows how white text looks on a background with the YUV color 77.1030, 17.6972,



# 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

77.1030, 17.6972, 63.9307

### Protanopia

81.7820, 34.1245, -25.2418

### Deuteranopia

85.3230, 10.1938, -2.9143



## Tritanopia

80.8500, -12.2510, 56.2596

# Trichromacy



## Original Color

77.1030, 17.6972, 63.9307

## Protanomaly

80.0850, 28.0591, 6.9415

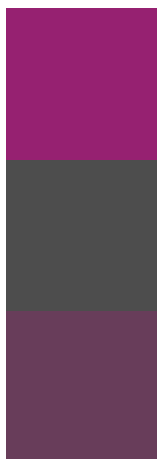
## Deuteranomaly

82.5740, 13.0280, 21.4216

## Tritanomaly

79.7330, -1.3474, 58.9932

# Monochromacy



## Original Color

77.1030, 17.6972, 63.9307

## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

77.1630, 6.3286, 23.5360

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 77.1030, 17.6972, 63.9307 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(150, 33, 113)` looks like.

```
.text, #text, p{  
    color:rgb(150, 33, 113)  
}
```

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(150, 33, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 33, 113) }
```

## Border

The CSS property to change the border of an element to YUV 77.1030, 17.6972, 63.9307 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(150, 33, 113) }
```



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

```
.border{ border-color:rgb(150, 33, 113) }
```

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

Here you see how a box with a 4 pixel rgb(150, 33, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 33, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 33, 113);  
box-shadow:4px 4px 4px 4px rgb(150, 33,  
113) }
```

# Background

The CSS property to change the background color of an element to YUV 77.1030, 17.6972, 63.9307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 33, 113) }
```

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

```
.background{ background-color: rgb(150, 33,  
113) }
```

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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