

# Converting Colors

YUV(37.9320, -9.8265, 71.9736)

Have a look what the booklet for  
YUV(37.9320, -9.8265, 71.9736)  
contains.

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# Color

**YUV(37.9320, -9.8265,  
71.9736)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780012
RGB	120, 0, 18
RGB Percent	47%, 0%, 7%
CMY	0.5294, 1.0000, 0.9294
CMYK	0.00, 1.00, 0.85, 0.53
HSL	351°, 100%, 24%
HSV	351°, 100%, 47%
XYZ	7.8549, 4.0367, 0.9374
YIQ	37.9320, 65.7420, 31.0380

# Conversions

## Conversions Part 2

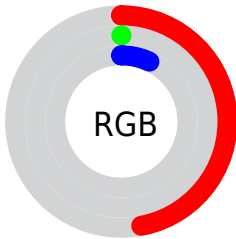
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	120, 0, 18
Decimal	7864338
CIE Lab	23.79, 46.27, 27.61
CIE LCh	24, 53.883, 30.828
Yxy	4.0367, 0.6123, 0.3147
Android (android.graphics.Color)	4286054418 (0xFF780012)
YUV	37.9320, -9.8265, 71.9736
Hunter-Lab	20.0916, 34.6249, 11.2978

# Details

The YUV color **37.9320, -9.8265, 71.9736** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **82.0680, 9.8265, -71.9736**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **98.5160, -18.9884, 70.5845**, and **18.8370, -9.2866, 38.7310** is the 20% darker color. If you saturate the color by 10%, you get **37.9320, -9.8265, 71.9736**, and if you desaturate by 10%, it is **46.1160, -8.9312, 64.7963**.

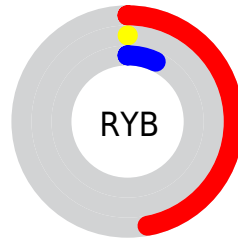
# Distribution



Red (47%)

Green (0%)

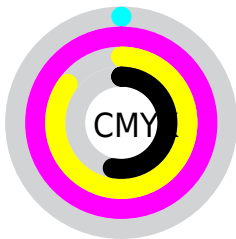
Blue (7%)



Red (47%)

Yellow (0%)

Blue (7%)

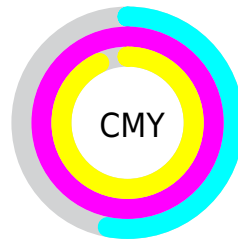


Cyan (0%)

Magenta (100%)

Yellow (85%)

Black (53%)



Cyan (53%)

Magenta (100%)


Yellow (93%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 37.9320, -9.8265, 71.9736 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 37.9320, -9.8265, 71.9736 by changing the saturation by 10% instead.





 37.9320, -9.8265,  
71.9736


 37.9320, -9.8265,  
71.9736


 253.6320, -5.2416,  
1.1997


 27.2090, -13.4140,  
55.9447

 98.5160, -18.9884,  
70.5845


 18.8370, -9.2866,  
38.7310


 125.7830,  
-20.5990, 73.8583

 9.9810, -4.4276,  
20.1877

 153.3380,  
-22.3516, 76.0026

 0.0000, 0.0000,  
0.0000


 176.5220,  
-21.4563, 68.8252


 195.4490,  
-17.4764, 52.2262


 215.5500,


-14.0751, 34.5977


 235.0640,  
-10.3846, 17.4839


 37.9320, -9.8265,  
71.9736

 46.1160, -8.9312,  
64.7963

 54.3000, -8.0359,  
57.6189

 62.5980, -6.7038,  
50.3416

 70.7820, -5.8085,  
43.1642

 78.9660, -4.9132,  
35.9868

■ 87.1500, -4.0179,  
28.8095

■ 95.3340, -3.1227,  
21.6321

■ 103.6320, -1.7906,  
14.3547

■ 111.8160, -0.8953,  
7.1774

# Harmonies

## Analogous

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



43.2750, 6.7664, 69.9188



37.9320, -9.8265, 71.9736



51.6190, -25.4482, 42.4301

# Triad

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



37.9320, -9.8265, 71.9736



42.3440, -15.4526, -37.1357



52.2400, 42.7727, -45.8145

# Complementary

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



37.9320, -9.8265, 71.9736



82.0680, 9.8265, -71.9736

# 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.



55.6820, 35.6528, -48.8331



37.9320, -9.8265, 71.9736



48.7620, 4.0613, -42.7643

# Square

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



37.9320, -9.8265, 71.9736



47.1140, -23.2272, -16.7630



53.9090, 21.2439, -47.2782



55.2450, 35.3752, -6.3539



# Rectangle

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



37.9320, -9.8265, 71.9736



54.1560, -26.6989, 23.5422



53.9090, 21.2439, -47.2782



54.4740, 41.1783, -47.7737

# Sweetspot

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



37.9320, -9.8265, 71.9736



123.8510, -3.8705, 28.1947



44.1780, 37.3802, 50.7099



59.8280, -2.3802, 16.8138



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



37.9320, -9.8265, 71.9736



49.2660, -12.9491, 93.6057



60.5340, -29.8433, 52.1517



56.9080, -0.4476, 3.5887



39.5410, -10.1267, 74.9475



79.6800, -20.5482, 151.1246



# Inverse Universe

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



37.9320, -9.8265, 71.9736



49.2660, -12.9491, 93.6057



59.4660, 29.8433, -52.1517



56.9080, -0.4476, 3.5887



39.5410, -10.1267, 74.9475



79.6800, -20.5482, 151.1246



# Previews

## White Background



This preview shows how the YUV color 37.9320, -9.8265, 71.9736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

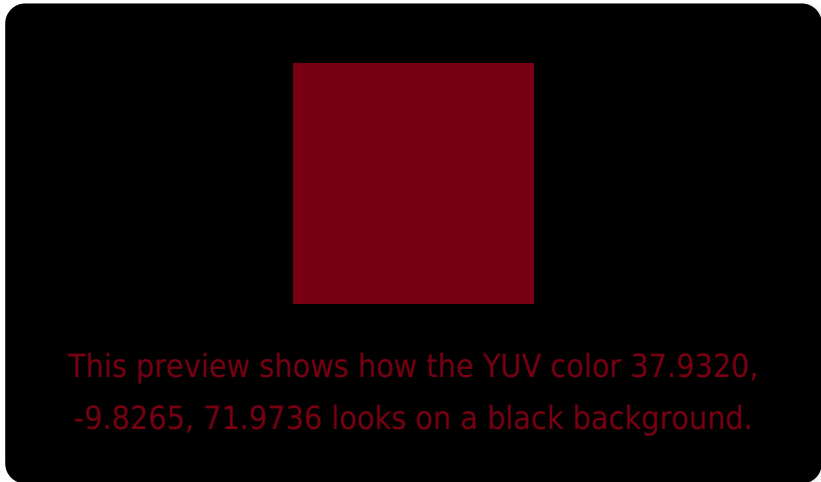
Any Text WCAG AA ✓ Pass

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

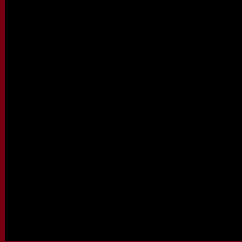
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 37.9320, -9.8265, 71.9736**

## **Background**



This preview shows how black text looks on a background with the YUV color 37.9320, -9.8265, 71.9736.



This preview shows how white text looks on a background with the YUV color 37.9320, -9.8265,



# 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

37.9320, -9.8265, 71.9736

### Protanopia

59.1460, -14.8620, 6.8880

### Deuteranopia

57.0690, -28.1350, 17.4795



## Tritanopia

42.0380, -20.7247, 67.4957

# Trichromacy



## Original Color

37.9320, -9.8265, 71.9736

## Protanomaly

51.4570, -13.0433, 30.2942

## Deuteranomaly

50.3240, -21.3587, 37.4269

## Tritanomaly

40.4880, -16.5096, 68.8550

# Monochromacy



## Original Color

37.9320, -9.8265, 71.9736

## Achromatopsia

38.0000, 0.0000, 0.0000

## Achromatomaly

37.9540, -3.4283, 26.3503

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.9320, -9.8265, 71.9736 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(120, 0, 18)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 18)  
}
```

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(120, 0, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 18) }
```

## Border

The CSS property to change the border of an element to YUV 37.9320, -9.8265, 71.9736 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(120, 0, 18) }
```



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

```
.border{ border-color:rgb(120, 0, 18) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(120, 0, 18)  
}
```

# Background

The CSS property to change the background color of an element to YUV 37.9320, -9.8265, 71.9736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 18) }
```

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

```
.background{ background-color: rgb(120, 0,  
18) }
```

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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