

# Converting Colors

YUV(106.8920, 6.9552,  
-37.6163)

Have a look what the booklet for  
YUV(106.8920, 6.9552, -37.6163)  
contains.

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# Color

**YUV(106.8920, 6.9552,  
-37.6163)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	407E79
RGB	64, 126, 121
RGB Percent	25%, 49%, 47%
CMY	0.7490, 0.5059, 0.5255
CMYK	0.49, 0.00, 0.04, 0.51
HSL	175°, 33%, 37%
HSV	175°, 49%, 49%
XYZ	13.0264, 17.3922, 20.7596
YIQ	106.8920, -35.3470, -14.6990

# Conversions

## Conversions Part 2

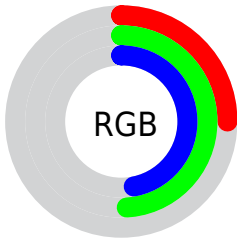
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 96, 126
Decimal	4226681
CIELab	48.75, -21.31, -3.47
CIELCh	49, 21.588, 189.256
Yxy	17.3922, 0.2545, 0.3398
Android (android.graphics.Color)	4282416761 (0xFF407E79)
YUV	106.8920, 6.9552, -37.6163
Hunter-Lab	41.7039, -17.2266, -0.3210

# Details

The YUV color **106.8920, 6.9552, -37.6163** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **83.1080, -6.9552, 37.6163**, and the grayscale version is **107.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **159.7780, 6.5184, -37.5163**, and **54.1190, 9.3083, -45.7084** is the 20% darker color. If you saturate the color by 10%, you get **102.8910, 8.4347, -45.5084**, and if you desaturate by 10%, it is **110.8930, 5.4758, -29.7242**.

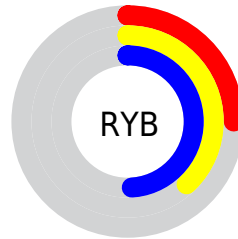
# Distribution



Red (25%)

Green (49%)

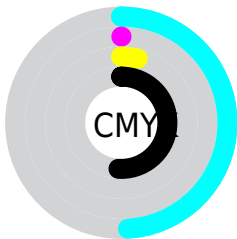
Blue (47%)



Red (25%)

Yellow (38%)

Blue (49%)

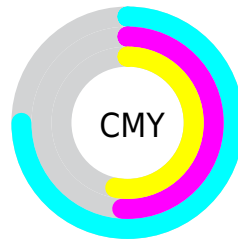


Cyan (49%)

Magenta (0%)

Yellow (4%)

Black (51%)



Cyan (75%)

Magenta (51%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 106.8920, 6.9552, -37.6163 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 106.8920, 6.9552, -37.6163 by changing the saturation by 10% instead.



■ 106.8920, 6.9552,  
-37.6163

■ 106.8920, 6.9552,  
-37.6163

■ 255.0000, 0.0000,  
0.0000

■ 81.2940, 7.2501,  
-38.8458

■ 159.7780, 6.5184,  
-37.5163

■ 54.1190, 9.3083,  
-45.7084

■ 187.1800, 6.8133,  
-38.7459

■ 37.3980, 6.2128,  
-32.7980

■ 215.1800, 6.8133,  
-38.7459

■ 22.6770, 3.1172,  
-19.8877

■ 238.2560, 8.2548,  
-34.4275

■ 0.3420, 1.3104,  
-0.2999

■ 246.9270, 3.9800,  
-16.5990

■ 0.0000, 0.0000,  
0.0000

■ 106.8920, 6.9552,  
-37.6163

■ 106.8920, 6.9552,  
-37.6163

■ 102.8910, 8.4347,  
-45.5084

■ 110.8930, 5.4758,  
-29.7242

■ 99.1890, 9.7668,  
-52.7858

■ 114.5950, 4.1437,  
-22.4468

■ 95.1880, 11.2463,  
-60.6779

■ 118.5960, 2.6642,  
-14.5547

■ 91.4860, 12.5784,  
-67.9552

■ 122.2980, 1.3321,  
-7.2773

■ 87.4850, 14.0579,  
-75.8473

■ 126.2990, -0.1474,  
0.6148

■ 87.1860, 14.2053,  
-76.4621

■ 130.3000, -1.6269,  
8.5069

■ 134.0020, -2.9590,  
15.7842

■ 138.0030, -4.4385,

23.6764

■ 141.7050, -5.7706,  
30.9537

# Harmonies

## Analogous

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



109.5210, -3.7079, -24.1359



106.8920, 6.9552, -37.6163



106.7480, 15.4072, -41.8750

# Triad

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



106.8920, 6.9552, -37.6163



118.0730, 12.7820, 6.9520



115.7780, -16.6526, 21.2427

# Complementary

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



106.8920, 6.9552, -37.6163



83.1080, -6.9552, 37.6163

# 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.



117.2010, -11.4381, 28.7647



106.8920, 6.9552, -37.6163



118.8100, 5.0237, 22.0916

# Square

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



106.8920, 6.9552, -37.6163



115.6190, 17.9358, -12.8209



117.9760, -3.4392, 29.8390



113.9890, -16.7566, 7.9026



# Rectangle

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



106.8920, 6.9552, -37.6163



109.2910, 18.5905, -36.2122



117.9760, -3.4392, 29.8390



116.1420, -15.3530, 24.4315

# Sweetspot

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



106.8920, 6.9552, -37.6163



155.5960, 2.6642, -14.5547



101.8890, -18.6793, -28.8437



77.2870, 1.3375, -9.0217



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



106.8920, 6.9552, -37.6163



133.3840, 10.6567, -58.2188



92.2000, 16.6634, -24.7314



61.7930, 0.5951, -4.2035



88.4740, 14.0633, -77.5917



0.0000, 0.0000, 0.0000



# Inverse Universe

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



83.1080, -6.9552, 37.6163



96.6160, -10.6567, 58.2188



97.8000, -16.6634, 24.7314



59.2070, -0.5951, 4.2035



39.4120, -14.5001, 77.6917

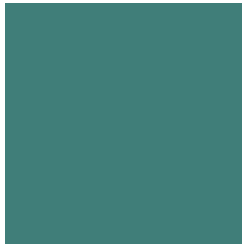


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 106.8920, 6.9552, -37.6163 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 × Fail



# Black Background



This preview shows how the YUV color 106.8920, 6.9552, -37.6163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

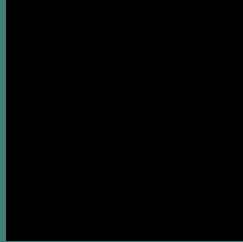
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 106.8920, 6.9552, -37.6163

## Background



This preview shows how black text looks on a background with the YUV color 106.8920, 6.9552, -37.6163.



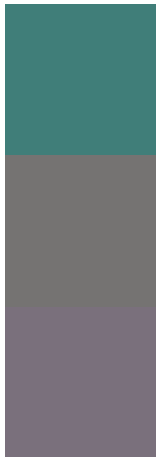
This preview shows how white text looks on a background with the YUV color 106.8920, 6.9552,



# 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

106.8920, 6.9552, -37.6163

### Protanopia

115.4840, -0.7316, 1.3295

### Deuteranopia

116.3580, 3.7675, 4.9480



## Tritanopia

108.3960, 12.6228, -35.4273

# Trichromacy



## Original Color

106.8920, 6.9552, -37.6163

## Protanomaly

112.4930, 2.2220, -12.7104

## Deuteranomaly

112.9000, 4.9793, -10.4363

## Tritanomaly

108.1140, 10.2968, -36.0570

# Monochromacy



## Original Color

106.8920, 6.9552, -37.6163

## Achromatopsia

107.0000, 0.0000, 0.0000

## Achromatomaly

106.8950, 2.5168, -13.9399

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 106.8920, 6.9552, -37.6163 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(64, 126, 121)` looks like.

```
.text, #text, p{  
    color:rgb(64, 126, 121)  
}
```

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(64, 126, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 126, 121) }
```

## Border

The CSS property to change the border of an element to YUV 106.8920, 6.9552, -37.6163 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(64, 126, 121) }
```



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

```
.border{ border-color:rgb(64, 126, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 126, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 126, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 126, 121);  
box-shadow:4px 4px 4px 4px rgb(64, 126,  
121) }
```

# Background

The CSS property to change the background color of an element to YUV 106.8920, 6.9552, -37.6163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 126, 121) }
```

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

```
.background{ background-color: rgb(64, 126,  
121) }
```

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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