

# Converting Colors

YUV(123.4370, -2.6804,  
19.7878)

Have a look what the booklet for  
YUV(123.4370, -2.6804, 19.7878)  
contains.

<b>YUV(123.4370, -2.6804, 19.7878)</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(123.4370, -2.6804,  
19.7878)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	927176
RGB	146, 113, 118
RGB Percent	57%, 44%, 46%
CMY	0.4275, 0.5569, 0.5373
CMYK	0.00, 0.23, 0.19, 0.43
HSL	351°, 13%, 51%
HSV	351°, 23%, 57%
XYZ	21.0292, 19.2293, 19.7428
YIQ	123.4370, 18.0630, 8.5510

# Conversions

## Conversions Part 2

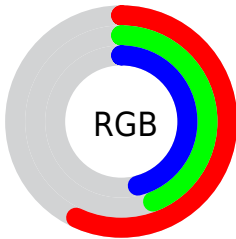
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 113, 118
Decimal	9597302
CIE <sub>Lab</sub>	50.95, 13.82, 2.24
CIE <sub>LCh</sub>	51, 13.995, 9.204
Yxy	19.2293, 0.3505, 0.3205
Android (android.graphics.Color)	4287787382 (0xFF927176)
YUV	123.4370, -2.6804, 19.7878
Hunter-Lab	43.8512, 8.8616, 4.0021

# Details

The YUV color  $[123.4370, -2.6804, 19.7878]$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $[135.5630, 2.6804, -19.7878]$ , and the grayscale version is  $[123.0000, 0.0000, 0.0000]$ .

A 20% lighter version of the original color is  $[176.0350, -2.9753, 21.0173]$ , and  $[74.5400, -2.2382, 17.9434]$  is the 20% darker color. If you saturate the color by 10%, you get  $[113.2640, -3.5812, 28.7095]$ , and if you desaturate by 10%, it is  $[133.6100, -1.7797, 10.8660]$ .

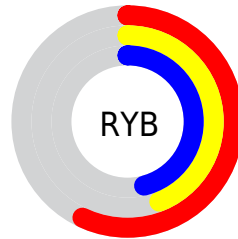
# Distribution



Red (57%)

Green (44%)

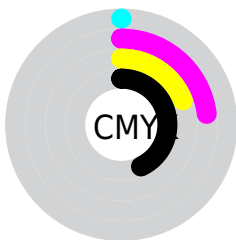
Blue (46%)



Red (57%)

Yellow (44%)

Blue (46%)

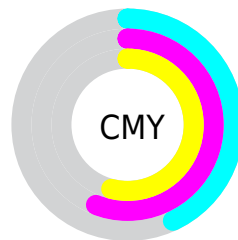


Cyan (0%)

Magenta (23%)

Yellow (19%)

Black (43%)



Cyan (43%)

Magenta (56%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 123.4370, -2.6804, 19.7878 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 123.4370, -2.6804, 19.7878 by changing the saturation by 10% instead.



■ 123.4370, -2.6804,  
19.7878

■ 123.4370, -2.6804,  
19.7878

■ 255.0000, 0.0000,  
0.0000

■ 98.1380, -2.5330,  
19.1730

■ 176.0350, -2.9753,  
21.0173

■ 74.5400, -2.2382,  
17.9434

■ 203.6330, -3.2701,  
22.2469

■ 51.9420, -1.9434,  
16.7139

■ 231.0350, -2.9753,  
21.0173

■ 30.0450, -1.5012,  
14.8695

■ 251.3640, 1.2995,  
3.1888

■ 8.6710, -4.2748,  
17.8285

■ 0.0000, 0.0000,  
0.0000

■ 123.4370, -2.6804,  
19.7878

■ 123.4370, -2.6804,  
19.7878

■ 113.2640, -3.5812,  
28.7095

■ 133.6100, -1.7797,  
10.8660

■ 103.5640, -5.2081,  
37.2164

■ 143.3100, -0.1528,  
2.3591

■ 93.3910, -6.1088,  
46.1381

■ 153.4830, 0.7479,  
-6.5626

■ 83.6910, -7.7357,  
54.6450

■ 163.1830, 2.3748,  
-15.0695

■ 73.5180, -8.6364,  
63.5667

■ 173.3560, 3.2755,  
-23.9912

■ 63.3450, -9.5371,  
72.4884

■ 183.5290, 4.1762,  
-32.9129

■ 53.6450, -11.1640,  
80.9953

■ 193.2290, 5.8031,  
-41.4198

■ 46.1620, -11.9119,

■ 203.4020, 6.7038,

87.5579

-50.3416

 212.9880, 7.8939,  
-58.7485

# Harmonies

## Analogous

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



123.5980, 3.1562, 14.3846



123.4370, -2.6804, 19.7878



122.4710, -7.6272, 19.7579

# Triad

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



123.4370, -2.6804, 19.7878



118.9040, -7.8407, -5.1778



118.9790, 11.8424, -18.3986

# Complementary

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



123.4370, -2.6804, 19.7878



135.5630, 2.6804, -19.7878

# 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.



116.9630, 9.3852, -23.6466



123.4370, -2.6804, 19.7878



117.8040, -2.8614, -15.6141

# Square

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



123.4370, -2.6804, 19.7878



120.7590, -11.2202, 5.4734



116.5950, 4.1437, -22.4468



121.3440, 11.6624, -7.3177



# Rectangle

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



123.4370, -2.6804, 19.7878



122.3520, -10.5265, 16.3543



116.5950, 4.1437, -22.4468



118.1420, 11.2690, -21.1725

# Sweetspot

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



123.4370, -2.6804, 19.7878



179.4140, -1.1901, 8.4069



125.1340, 10.2869, 13.9145



89.2070, -0.5951, 4.2035



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



123.4370, -2.6804, 19.7878



154.0470, -4.4602, 30.6538



129.3240, -8.0477, 14.6249



69.2070, -0.5951, 4.2035



43.6560, -11.1694, 82.7397



3.2180, -0.6005, 5.9478



# Inverse Universe

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



123.4370, -2.6804, 19.7878



154.0470, -4.4602, 30.6538



129.6760, 8.0477, -14.6249



69.2070, -0.5951, 4.2035



43.6560, -11.1694, 82.7397



3.2180, -0.6005, 5.9478



# Previews

## White Background



This preview shows how the YUV color 123.4370, -2.6804, 19.7878 looks on a white 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



# Black Background



This preview shows how the YUV color 123.4370, -2.6804, 19.7878 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

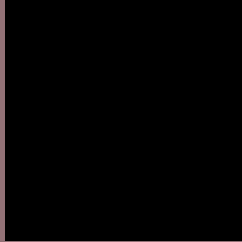
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 123.4370, -2.6804, 19.7878

## Background



This preview shows how black text looks on a background with the YUV color 123.4370, -2.6804, 19.7878.



This preview shows how white text looks on a background with the YUV color 123.4370, -2.6804,



# 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

123.4370, -2.6804, 19.7878

### Protanopia

121.8260, 0.5788, 1.0296

### Deuteranopia

122.9690, -2.9427, 10.5512



## Tritanopia

123.1920, -1.0807, 20.0026

# Trichromacy



## Original Color

123.4370, -2.6804, 19.7878

## Protanomaly

122.2290, -0.6059, 7.6922

## Deuteranomaly

122.9910, -2.9536, 14.0399

## Tritanomaly

123.0780, -1.5175, 20.1026

# Monochromacy



## Original Color

123.4370, -2.6804, 19.7878

## Achromatopsia

123.0000, 0.0000, 0.0000

## Achromatomaly

122.8160, -0.8953, 7.1774

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 123.4370, -2.6804, 19.7878 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(146, 113, 118)` looks like.

```
.text, #text, p{  
    color:rgb(146, 113, 118)  
}
```

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(146, 113, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 113, 118) }
```

## Border

The CSS property to change the border of an element to YUV 123.4370, -2.6804, 19.7878 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(146, 113, 118) }
```



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

```
.border{ border-color:rgb(146, 113, 118) }
```

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

Here you see how a box with a 4 pixel rgb(146, 113, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 113, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 113, 118);  
box-shadow:4px 4px 4px 4px rgb(146, 113,  
118) }
```

# Background

The CSS property to change the background color of an element to YUV 123.4370, -2.6804, 19.7878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 113, 118) }
```

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

```
.background{ background-color: rgb(146,  
113, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor