

# Converting Colors

YUV(103.7910, 37.0780,  
-39.2817)

Have a look what the booklet for  
YUV(103.7910, 37.0780, -39.2817)  
contains.

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# Color

**YUV(103.7910, 37.0780,  
-39.2817)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B70B3
RGB	59, 112, 179
RGB Percent	23%, 44%, 70%
CMY	0.7686, 0.5608, 0.2980
CMYK	0.67, 0.37, 0.00, 0.30
HSL	214°, 50%, 47%
HSV	214°, 67%, 70%
XYZ	15.7345, 15.7728, 44.8630
YIQ	103.7910, -53.0950, 9.6010

# Conversions

## Conversions Part 2

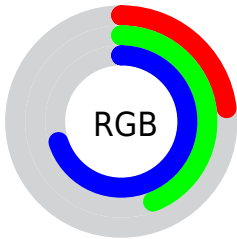
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 96, 179
Decimal	3895475
CIE <sub>Lab</sub>	46.68, 4.39, -40.76
CIE <sub>LCh</sub>	47, 40.999, 276.148
Yxy	15.7728, 0.2060, 0.2065
Android (android.graphics.Color)	4282085555 (0xFF3B70B3)
YUV	103.7910, 37.0780, -39.2817
Hunter-Lab	39.7150, 1.2177, -39.1748

# Details

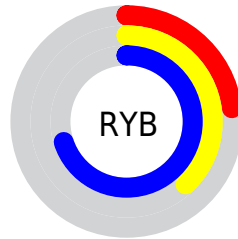
The YUV color **103.7910, 37.0780, -39.2817** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **134.2090, -37.0780, 39.2817**, and the grayscale version is **103.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **157.7530, 38.0828, -34.8634**, and **52.5190, 36.2261, -46.0592** is the 20% darker color. If you saturate the color by 10%, you get **92.5390, 42.6253, -45.1997**, and if you desaturate by 10%, it is **115.0430, 31.5308, -33.3637**.

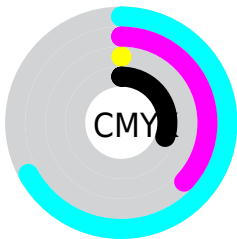
# Distribution



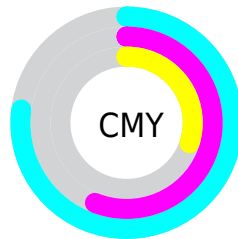
- Red (23%)
- Green (44%)
- Blue (70%)



- Red (23%)
- Yellow (38%)
- Blue (70%)



- Cyan (67%)
- Magenta (37%)
- Yellow (0%)
- Black (30%)



- Cyan (77%)
- Magenta (56%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 103.7910, 37.0780, -39.2817 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 103.7910, 37.0780, -39.2817 by changing the saturation by 10% instead.



■ 103.7910, 37.0780,  
-39.2817

■ 103.7910, 37.0780,  
-39.2817

255.0000, 0.0000,  
0.0000

■ 74.9640, 37.9787,  
-48.2034

■ 157.7530, 38.0828,  
-34.8634

■ 52.5190, 36.2261,  
-46.0592

■ 184.5530, 34.7304,  
-32.9340

■ 36.6410, 31.2360,  
-32.1342

■ 209.6600, 22.3526,  
-29.5198

■ 22.7520, 26.2513,  
-19.9535

■ 234.7670, 9.9749,  
-26.1057

■ 8.9770, 21.7033,  
-7.8728

■ 249.0200, 2.9481,  
-12.2955

■ 4.7080, 12.9620,  
-4.1289

■ 0.1140, 0.4368,

-0.1000

■ 0.0000, 0.0000,  
0.0000

■ 103.7910, 37.0780,  
-39.2817

■ 103.7910, 37.0780,  
-39.2817

■ 92.5390, 42.6253,  
-45.1997

■ 115.0430, 31.5308,  
-33.3637

■ 81.2870, 48.1725,  
-51.1177

■ 126.2950, 25.9836,  
-27.4457

■ 70.0350, 53.7197,  
-57.0357

■ 137.5470, 20.4363,  
-21.5277

■ 66.7790, 55.3250,  
-58.5652

■ 148.7990, 14.8891,  
-15.6097

■ 160.0510, 9.3419,  
-9.6917

■ 171.0040, 3.9420,  
-4.3885

■ 182.2560, -1.6052,  
1.5295

■ 193.5080, -7.1524,  
7.4475

■ 204.7600,  
-12.6997, 13.3655

# Harmonies

## Analogous

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



91.3360, 40.2604, -80.1017



103.7910, 37.0780, -39.2817



113.5150, 25.8751, 7.4413

# Triad

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



103.7910, 37.0780, -39.2817



109.8190, -18.6448, 53.6557



93.3620, -6.0945, -52.0605

# Complementary

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



103.7910, 37.0780, -39.2817



134.2090, -37.0780, 39.2817

# 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.



102.3810, -24.8378, -13.4891



103.7910, 37.0780, -39.2817



108.9190, -30.5261, 37.7820

# Square

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



103.7910, 37.0780, -39.2817



110.9560, -2.9363, 55.2896



106.2660, -33.6551, 14.6757



88.4740, 14.0633, -77.5917



# Rectangle

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



103.7910, 37.0780, -39.2817



114.3670, 17.0741, 30.3731



106.2660, -33.6551, 14.6757



97.6260, -13.1266, -36.5060

# Sweetspot

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



103.7910, 37.0780, -39.2817



202.9840, 14.3049, -14.8950



136.9640, -5.8983, -68.3744



99.8230, 8.4683, -9.4918



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



103.7910, 37.0780, -39.2817



115.3380, 57.5144, -60.8094



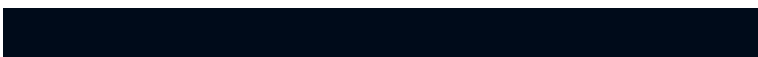
74.4740, 51.5313, -8.3087



83.3740, 2.7736, -2.9590



57.3580, 47.1515, -50.3030



9.4210, 8.1734, -8.2622



# Inverse Universe

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



100.9220, 5.4615, 68.4744



110.9620, 8.3997, 106.1503



163.5260, -51.5313, 8.3087



83.1470, 0.4205, 5.1331



53.4990, 7.1490, 87.2624

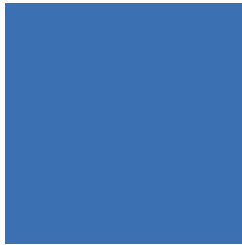


9.0280, 0.9722, 14.8844



# Previews

## White Background



This preview shows how the YUV color 103.7910, 37.0780, -39.2817 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 103.7910, 37.0780, -39.2817 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 103.7910, 37.0780, -39.2817

## Background



This preview shows how black text looks on a background with the YUV color 103.7910, 37.0780, -39.2817.



This preview shows how white text looks on a background with the YUV color 103.7910, 37.0780, -39.2817.



# 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

103.7910, 37.0780, -39.2817

### Protanopia

108.4620, 32.8032, -21.4532

### Deuteranopia

105.8950, 36.0408, -33.2339



## Tritanopia

94.7350, 18.3716, -59.4036

# Trichromacy



## Original Color

103.7910, 37.0780, -39.2817

## Protanomaly

106.4720, 34.2773, -27.6009

## Deuteranomaly

104.9980, 36.4830, -35.0782

## Tritanomaly

97.9130, 25.1859, -51.6667

# Monochromacy



## Original Color

103.7910, 37.0780, -39.2817

## Achromatopsia

104.0000, 0.0000, 0.0000

## Achromatomaly

104.0550, 13.2839, -14.0802

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 103.7910, 37.0780, -39.2817 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(59, 112, 179)` looks like.

```
.text, #text, p{  
    color:rgb(59, 112, 179)  
}
```

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(59, 112, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 112, 179) }
```

## Border

The CSS property to change the border of an element to YUV 103.7910, 37.0780, -39.2817 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(59, 112, 179) }
```



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

```
.border{ border-color:rgb(59, 112, 179) }
```

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

Here you see how a box with a 4 pixel rgb(59, 112, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 112, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 112, 179);  
box-shadow:4px 4px 4px 4px rgb(59, 112,  
179) }
```

# Background

The CSS property to change the background color of an element to YUV 103.7910, 37.0780, -39.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 112, 179) }
```

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

```
.background{ background-color: rgb(59, 112,  
179) }
```

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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