

# Converting Colors

YUV(100.3400, 37.7934,  
-35.3782)

Have a look what the booklet for  
YUV(100.3400, 37.7934, -35.3782)  
contains.

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# Color

**YUV(100.3400, 37.7934,  
-35.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3C6AB1
RGB	60, 106, 177
RGB Percent	24%, 42%, 69%
CMY	0.7647, 0.5843, 0.3059
CMYK	0.66, 0.40, 0.00, 0.31
HSL	216°, 49%, 46%
HSV	216°, 66%, 69%
XYZ	14.9533, 14.4431, 43.5946
YIQ	100.3400, -50.2070, 12.3290

# Conversions

## Conversions Part 2

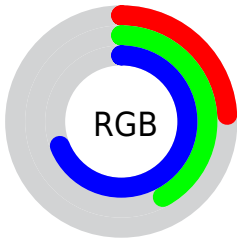
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	60, 93, 177
Decimal	3959473
CIE Lab	44.86, 7.59, -42.47
CIE LCh	45, 43.146, 280.126
Yxy	14.4431, 0.2049, 0.1979
Android (android.graphics.Color)	4282149553 (0xFF3C6AB1)
YUV	100.3400, 37.7934, -35.3782
Hunter-Lab	38.0040, 3.7268, -41.4091

# Details

The YUV color **100.3400, 37.7934, -35.3782** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **136.6600, -37.7934, 35.3782**, and the grayscale version is **100.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.3020, 38.7981, -30.9599**, and **48.7690, 37.0889, -42.7704** is the 20% darker color. If you saturate the color by 10%, you get **88.5010, 43.6300, -40.7814**, and if you desaturate by 10%, it is **112.1790, 31.9568, -29.9750**.

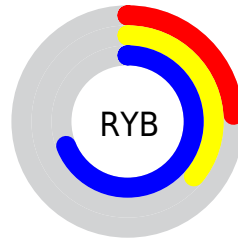
# Distribution



Red (24%)

Green (42%)

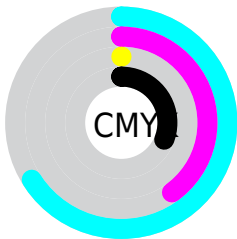
Blue (69%)



Red (24%)

Yellow (36%)

Blue (69%)

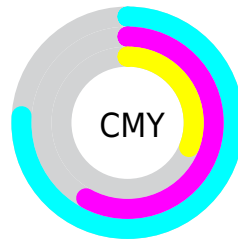


Cyan (66%)

Magenta (40%)

Yellow (0%)

Black (31%)



Cyan (76%)

Magenta (58%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 100.3400, 37.7934, -35.3782 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 100.3400, 37.7934, -35.3782 by changing the saturation by 10% instead.



■ 100.3400, 37.7934,  
-35.3782

■ 100.3400, 37.7934,  
-35.3782

■ 255.0000, 0.0000,  
0.0000

■ 71.8120, 38.5467,  
-43.6851

■ 154.3020, 38.7981,  
-30.9599

■ 48.7690, 37.0889,  
-42.7704

■ 181.0310, 36.4667,  
-29.8452

■ 33.4780, 31.8093,  
-29.3602

■ 205.5510, 24.3784,  
-25.9162

■ 19.0020, 27.1140,  
-16.6648

■ 230.6580, 12.0006,  
-22.5021

■ 8.1620, 21.1191,  
-7.1581

■ 249.0200, 2.9481,  
-12.2955

■ 4.4800, 12.0884,  
-3.9290

■ 0.0000, 0.0000,

0.0000

■ 100.3400, 37.7934,  
-35.3782

■ 100.3400, 37.7934,  
-35.3782

■ 88.5010, 43.6300,  
-40.7814

■ 112.1790, 31.9568,  
-29.9750

■ 77.5480, 49.0298,  
-46.0846

■ 123.1320, 26.5569,  
-24.6718

■ 65.7090, 54.8665,  
-51.4878

■ 134.9710, 20.7203,  
-19.2686

■ 61.2680, 57.0559,  
-53.7320

■ 146.8100, 14.8837,  
-13.8654

■ 158.3500, 9.1945,  
-9.0769

■ 169.6020, 3.6472,  
-3.1590

■ 181.4410, -2.1894,  
2.2442

■ 193.2800, -8.0260,  
7.6474

■ 204.8200,  
-13.7153, 12.4359

# Harmonies

## Analogous

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



88.4010, 41.7073, -77.5277



100.3400, 37.7934, -35.3782



108.8470, 25.7114, 13.2892

# Triad

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



100.3400, 37.7934, -35.3782



104.8360, -21.1181, 53.6408



80.7340, -0.3619, -70.8037

# Complementary

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



100.3400, 37.7934, -35.3782



136.6600, -37.7934, 35.3782

# 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.



96.5760, -23.9480, -18.9222



100.3400, 37.7934, -35.3782



103.8110, -33.4308, 36.1228

# Square

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



100.3400, 37.7934, -35.3782



105.1090, -4.9837, 58.6634



100.7880, -35.3915, 11.5869



86.2400, 15.6577, -75.6325



# Rectangle

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



100.3400, 37.7934, -35.3782



109.2860, 16.6210, 35.7062



100.7880, -35.3915, 11.5869



89.9560, -10.3313, -46.4424

# Sweetspot

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



100.3400, 37.7934, -35.3782



199.8100, 14.8837, -13.8654



136.6590, -3.2829, -67.2299



96.6490, 9.0470, -8.4622



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



100.3400, 37.7934, -35.3782



110.4250, 58.9505, -54.7467



76.9260, 49.3365, -4.3201



83.3740, 2.7736, -2.9590



52.6620, 49.4666, -46.1846



8.8340, 8.4628, -7.7474



# Inverse Universe

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



100.2270, 2.8461, 67.3299



110.5120, 4.1846, 104.7910



160.0740, -49.3365, 4.3201



83.1470, 0.4205, 5.1331



52.5870, 3.6546, 88.0622

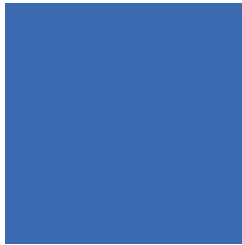


8.9140, 0.5354, 14.9844



# Previews

## White Background



This preview shows how the YUV color 100.3400, 37.7934, -35.3782 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 100.3400, 37.7934, -35.3782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

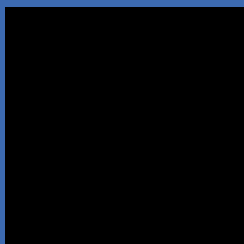
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 100.3400, 37.7934, -35.3782

## Background



This preview shows how black text looks on a background with the YUV color 100.3400, 37.7934, -35.3782.



This preview shows how white text looks on a background with the YUV color 100.3400, 37.7934, -35.3782.

-35.3782.

# 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

100.3400, 37.7934, -35.3782

### Protanopia

103.4340, 35.2820, -23.1826

### Deuteranopia

99.4430, 38.2356, -37.2225



## Tritanopia

91.1160, 17.1978, -56.2297

# Trichromacy



## Original Color

100.3400, 37.7934, -35.3782

## Protanomaly

102.3410, 36.3139, -27.4861

## Deuteranomaly

99.7420, 38.0882, -36.6077

## Tritanomaly

94.5220, 24.8857, -48.6928

# Monochromacy



## Original Color

100.3400, 37.7934, -35.3782

## Achromatopsia

100.0000, 0.0000, 0.0000

## Achromatomaly

99.8810, 13.8627, -13.0506

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 100.3400, 37.7934, -35.3782 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(60, 106, 177)` looks like.

```
.text, #text, p{  
    color:rgb(60, 106, 177)  
}
```

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(60, 106, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 106, 177) }
```

## Border

The CSS property to change the border of an element to YUV 100.3400, 37.7934, -35.3782 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(60, 106, 177) }
```



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

```
.border{ border-color:rgb(60, 106, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 106, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 106, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 106, 177);  
box-shadow:4px 4px 4px 4px rgb(60, 106,  
177) }
```

# Background

The CSS property to change the background color of an element to YUV 100.3400, 37.7934, -35.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 106, 177) }
```

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

```
.background{ background-color: rgb(60, 106,  
177) }
```

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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