

# Converting Colors

YUV(103.5710, 34.7215,  
63.5202)

Have a look what the booklet for  
YUV(103.5710, 34.7215, 63.5202)  
contains.

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# Color

**YUV(103.5710, 34.7215,  
63.5202)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B035AE
RGB	176, 53, 174
RGB Percent	69%, 21%, 68%
CMY	0.3098, 0.7922, 0.3176
CMYK	0.00, 0.70, 0.01, 0.31
HSL	301°, 54%, 45%
HSV	301°, 70%, 69%
XYZ	26.8176, 14.8323, 41.4939
YIQ	103.5710, 34.4670, 63.7070

# Conversions

## Conversions Part 2

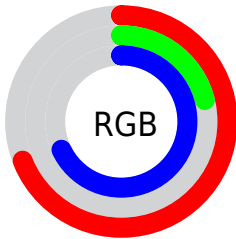
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 53, 174
Decimal	11548078
CIE <sub>Lab</sub>	45.40, 63.27, -39.13
CIE <sub>LCh</sub>	45, 74.395, 328.263
Yxy	14.8323, 0.3225, 0.1784
Android (android.graphics.Color)	4289738158 (0xFFB035AE)
YUV	103.5710, 34.7215, 63.5202
Hunter-Lab	38.5127, 56.8977, -36.9205

# Details

The YUV color **103.5710, 34.7215, 63.5202** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **125.4290, -34.7215, -63.5202**, and the grayscale version is **103.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **161.3430, 33.8479, 63.7202**, and **49.6740, 35.1637, 61.6759** is the 20% darker color. If you saturate the color by 10%, you get **93.0050, 39.9305, 72.7866**, and if you desaturate by 10%, it is **114.1370, 29.5125, 54.2539**.

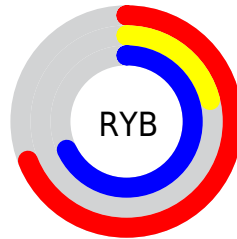
# Distribution



Red (69%)

Green (21%)

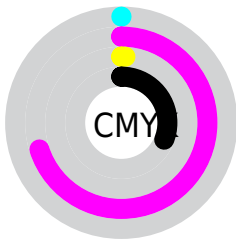
Blue (68%)



Red (69%)

Yellow (21%)

Blue (68%)

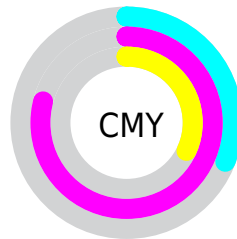


Cyan (0%)

Magenta (70%)

Yellow (1%)

Black (31%)



Cyan (31%)

Magenta (79%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 103.5710, 34.7215, 63.5202 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 103.5710, 34.7215, 63.5202 by changing the saturation by 10% instead.





 103.5710, 34.7215,  
63.5202


 103.5710, 34.7215,  
63.5202

255.0000, 0.0000,  
0.0000


 69.8150, 38.0522,  
68.5682


 161.3430, 33.8479,  
63.7202


 49.6740, 35.1637,  
61.6759


 186.9080, 33.5694,  
59.7167

 38.4520, 28.3712,  
46.9616


 203.3440, 25.4664,  
45.3023

 27.8280, 21.2838,  
33.4768

 219.7800, 17.3635,  
30.8879

 17.4320, 15.0700,  
19.7921

 237.3900, 8.6817,  
15.4440

 3.5510, 11.0674,  
-3.1142

254.4130, 0.2894,

 0.0000, 0.0000,

0.5148

0.0000

■ 103.5710, 34.7215,  
63.5202

■ 103.5710, 34.7215,  
63.5202

■ 93.0050, 39.9305,  
72.7866

■ 114.1370, 29.5125,  
54.2539

■ 82.9120, 44.4134,  
81.6382

■ 124.2300, 25.0296,  
45.4023

■ 72.3460, 49.6224,  
90.9046

■ 134.7960, 19.8206,  
36.1359

■ 144.7750, 14.9009,  
27.3843

■ 155.3410, 9.6919,  
18.1179

■ 166.0210, 4.9196,  
8.7516

■ 176.0000, 0.0000,  
0.0000

■ 186.5660, -5.2090,  
-9.2664

■ 196.6590, -9.6919,  
-18.1179

# Harmonies

## Analogous

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



104.9830, 56.2104, -15.7711



103.5710, 34.7215, 63.5202



75.7860, 18.8395, 117.7057

# Triad

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



103.5710, 34.7215, 63.5202



101.1140, -49.8492, 28.8410



96.8810, 33.5827, -84.9646

# Complementary

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



103.5710, 34.7215, 63.5202



125.4290, -34.7215, -63.5202

# 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.



89.6990, 6.0644, -78.6660



103.5710, 34.7215, 63.5202



92.5550, -45.6296, -18.0267

# Square

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



103.5710, 34.7215, 63.5202



98.4320, -48.5270, 71.5351



79.5990, -22.4803, -69.8083



100.1190, 56.1433, -87.8044



# Rectangle

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



103.5710, 34.7215, 63.5202



79.0530, -2.9841, 117.4715



79.5990, -22.4803, -69.8083



95.1880, 24.5573, -83.4799

# Sweetspot

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



103.5710, 34.7215, 63.5202



201.1230, 13.7434, 25.3251



67.0220, 53.7262, -12.2973



97.8630, 7.9555, 15.0291



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.



103.5710, 34.7215, 63.5202



116.2530, 54.1053, 99.7561



96.8450, 8.9504, 69.4189



83.7170, 2.6045, 4.6332



62.9610, 43.4032, 78.9642



10.6240, 7.0874, 13.4848



# Inverse Universe

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



103.5710, 34.7215, 63.5202



116.2530, 54.1053, 99.7561



132.2690, -8.5136, -69.5189



83.7170, 2.6045, 4.6332



62.9610, 43.4032, 78.9642



10.6240, 7.0874, 13.4848



# Previews

## White Background



This preview shows how the YUV color 103.5710, 34.7215, 63.5202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

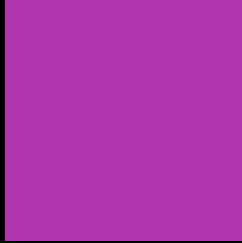
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 103.5710, 34.7215, 63.5202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

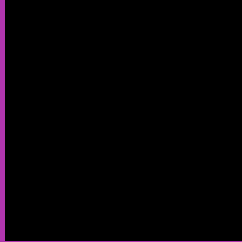
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 103.5710, 34.7215, 63.5202

## Background



This preview shows how black text looks on a background with the YUV color 103.5710, 34.7215, 63.5202.



This preview shows how white text looks on a background with the YUV color 103.5710, 34.7215,



# 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

103.5710, 34.7215, 63.5202

### Protanopia

86.6550, 66.7251, -75.1194

### Deuteranopia

106.1260, 29.0249, -22.9125



## Tritanopia

107.6860, -10.1982, 51.1414

# Trichromacy



## Original Color

103.5710, 34.7215, 63.5202



## Protanomaly

92.7000, 55.3639, -24.2929



## Deuteranomaly

105.1930, 30.9639, 8.6007



## Tritanomaly

106.0730, 6.3730, 56.0640

# Monochromacy



## Original Color

103.5710, 34.7215, 63.5202



## Achromatopsia

104.0000, 0.0000, 0.0000



## Achromatomaly

103.4710, 12.5858, 23.2659

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 103.5710, 34.7215, 63.5202 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(176, 53, 174)` looks like.

```
.text, #text, p{  
    color:rgb(176, 53, 174)  
}
```

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(176, 53, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 53, 174) }
```

## Border

The CSS property to change the border of an element to YUV 103.5710, 34.7215, 63.5202 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(176, 53, 174) }
```



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

```
.border{ border-color:rgb(176, 53, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 53, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 53, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 53, 174);  
box-shadow:4px 4px 4px 4px rgb(176, 53,  
174) }
```

# Background

The CSS property to change the background color of an element to YUV 103.5710, 34.7215, 63.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 53, 174) }
```

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

```
.background{ background-color: rgb(176, 53,  
174) }
```

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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