

# Converting Colors

YUV(97.7930, 34.6121, 51.9245)

Have a look what the booklet for  
YUV(97.7930, 34.6121, 51.9245)  
contains.

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# Color

**YUV(97.7930, 34.6121,  
51.9245)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D36A8
RGB	157, 54, 168
RGB Percent	62%, 21%, 66%
CMY	0.3843, 0.7882, 0.3412
CMYK	0.07, 0.68, 0.00, 0.34
HSL	294°, 51%, 44%
HSV	294°, 68%, 66%
XYZ	22.2917, 12.6336, 38.3094
YIQ	97.7930, 24.7940, 57.2900

# Conversions

## Conversions Part 2

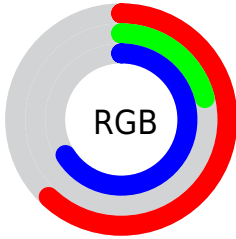
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 54, 168
Decimal	10303144
CIE <sub>Lab</sub>	42.21, 57.46, -40.84
CIE <sub>LCh</sub>	42, 70.492, 324.597
Yxy	12.6336, 0.3044, 0.1725
Android (android.graphics.Color)	4288493224 (0xFF9D36A8)
YUV	97.7930, 34.6121, 51.9245
Hunter-Lab	35.5438, 49.7468, -39.0227

# Details

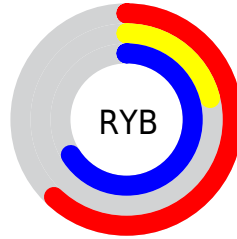
The YUV color **97.7930, 34.6121, 51.9245** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **124.2070, -34.6121, -51.9245**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.5050, 34.7540, 53.0541**, and **43.6080, 35.1963, 51.2098** is the 20% darker color. If you saturate the color by 10%, you get **87.2160, 39.8265, 59.4466**, and if you desaturate by 10%, it is **108.3700, 29.3976, 44.4025**.

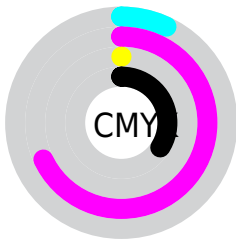
# Distribution



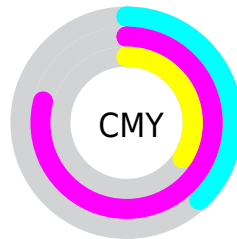
- Red (62%)
- Green (21%)
- Blue (66%)



- Red (62%)
- Yellow (21%)
- Blue (66%)



- Cyan (7%)
- Magenta (68%)
- Yellow (0%)
- Black (34%)



- Cyan (38%)
- Magenta (79%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 97.7930, 34.6121, 51.9245 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 97.7930, 34.6121, 51.9245 by changing the saturation by 10% instead.



97.7930, 34.6121,  
51.9245

97.7930, 34.6121,  
51.9245

255.0000, 0.0000,  
0.0000

67.5590, 36.2064,  
53.8838

153.5050, 34.7540,  
53.0541

43.6080, 35.1963,  
51.2098

181.6300, 35.1854,  
54.6985

32.6850, 28.2563,  
37.1103

201.5830, 26.3346,  
46.8467

22.7730, 21.3109,  
24.7551

218.0190, 18.2316,  
32.4323

11.1810, 15.6868,  
8.6113

235.0420, 9.8393,  
17.5032

2.9810, 8.8834,  
-2.6143

252.6520, 1.1576,

0.0000, 0.0000,

2.0592

0.0000

■ 97.7930, 34.6121,  
51.9245

■ 97.7930, 34.6121,  
51.9245

■ 87.2160, 39.8265,  
59.4466

■ 108.3700, 29.3976,  
44.4025

■ 76.9380, 44.8936,  
67.5834

■ 118.6480, 24.3305,  
36.2657

■ 66.9480, 49.8186,  
74.5906

■ 128.6380, 19.4055,  
29.2585

■ 64.6000, 50.9762,  
76.6498

■ 138.9160, 14.3384,  
21.1217

■ 149.4930, 9.1240,  
13.5996

■ 160.0700, 3.9095,  
6.0776

■ 170.3480, -1.1576,  
-2.0592

■ 180.3380, -6.0826,  
-9.0664

■ 190.9150,  
-11.2971, -16.5885

# Harmonies

## Analogous

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



94.0800, 55.6696, -29.0112



97.7930, 34.6121, 51.9245



70.8880, 20.7612, 107.9692

# Triad

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



97.7930, 34.6121, 51.9245



94.3470, -46.5131, 32.1447



89.5460, 28.3248, -78.5318

# Complementary

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



97.7930, 34.6121, 51.9245



124.2070, -34.6121, -51.9245

# 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.



82.1190, 2.4063, -72.0184



97.7930, 34.6121, 51.9245



86.9950, -42.8885, -10.5196

# Square

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



97.7930, 34.6121, 51.9245



90.1700, -44.4538, 71.7649



72.2470, -25.2648, -63.3606



93.2570, 50.1593, -81.7864



# Rectangle

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



97.7930, 34.6121, 51.9245



69.6980, 2.1209, 113.3979



72.2470, -25.2648, -63.3606



87.2660, 19.5889, -76.5323

# Sweetspot

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



97.7930, 34.6121, 51.9245



191.9760, 13.3228, 20.1920



73.4530, 46.6117, -17.0603



93.2540, 8.2558, 12.0552



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



97.7930, 34.6121, 51.9245



110.0180, 53.7281, 80.6682



95.8380, 12.8979, 63.2861



79.0050, 2.4625, 3.5036



56.9380, 44.8936, 67.5834



7.6620, 6.0826, 9.0664



# Inverse Universe

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



89.3400, -11.9996, 68.9848



96.8610, -18.6655, 107.1159



126.1620, -12.8979, -63.2861



78.5060, -0.7425, 4.8182



45.8480, -15.7011, 89.5873



6.2080, -2.0745, 12.0956



# Previews

## White Background



This preview shows how the YUV color 97.7930, 34.6121, 51.9245 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 97.7930, 34.6121, 51.9245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

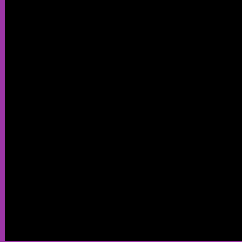
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 97.7930, 34.6121, 51.9245

## Background



This preview shows how black text looks on a background with the YUV color 97.7930, 34.6121, 51.9245.



This preview shows how white text looks on a background with the YUV color 97.7930, 34.6121,



# 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

97.7930, 34.6121, 51.9245

### Protanopia

80.4230, 61.9095, -70.5310

### Deuteranopia

96.6740, 31.2197, -26.9011



## Tritanopia

100.7170, -7.2555, 40.5902

# Trichromacy



## Original Color

97.7930, 34.6121, 51.9245



## Protanomaly

86.4780, 52.0223, -25.8522



## Deuteranomaly

96.9040, 32.5853, 1.8382



## Tritanomaly

100.0500, 7.8634, 44.6832

# Monochromacy



## Original Color

97.7930, 34.6121, 51.9245



## Achromatopsia

98.0000, 0.0000, 0.0000



## Achromatomaly

97.7370, 12.4547, 18.6477

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 97.7930, 34.6121, 51.9245 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(157, 54, 168)` looks like.

```
.text, #text, p{  
    color:rgb(157, 54, 168)  
}
```

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(157, 54, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 54, 168) }
```

## Border

The CSS property to change the border of an element to YUV 97.7930, 34.6121, 51.9245 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(157, 54, 168) }
```



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

```
.border{ border-color:rgb(157, 54, 168) }
```

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

Here you see how a box with a 4 pixel rgb(157, 54, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 54, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 54, 168);  
box-shadow:4px 4px 4px 4px rgb(157, 54,  
168) }
```

# Background

The CSS property to change the background color of an element to YUV 97.7930, 34.6121, 51.9245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 54, 168) }
```

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

```
.background{ background-color: rgb(157, 54,  
168) }
```

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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