

# Converting Colors

YUV(93.7130, 29.2285, 51.9947)

Have a look what the booklet for  
YUV(93.7130, 29.2285, 51.9947)  
contains.

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# Color

**YUV(93.7130, 29.2285,  
51.9947)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	993499
RGB	153, 52, 153
RGB Percent	60%, 20%, 60%
CMY	0.4000, 0.7961, 0.4000
CMYK	0.00, 0.66, 0.00, 0.40
HSL	300°, 49%, 40%
HSV	300°, 66%, 60%
XYZ	20.1146, 11.5282, 31.3020
YIQ	93.7130, 27.7750, 52.8230

# Conversions

## Conversions Part 2

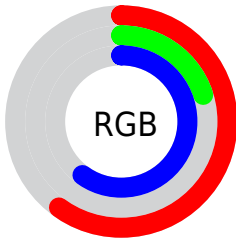
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 52, 153
Decimal	10040473
CIE <sub>Lab</sub>	40.46, 54.62, -34.66
CIE <sub>LCh</sub>	40, 64.686, 327.601
Yxy	11.5282, 0.3196, 0.1831
Android (android.graphics.Color)	4288230553 (0xFF993499)
YUV	93.7130, 29.2285, 51.9947
Hunter-Lab	33.9532, 46.3293, -30.8932

# Details

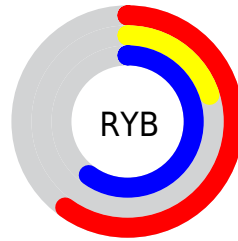
The YUV color **93.7130, 29.2285, 51.9947** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **111.2870, -29.2285, -51.9947**, and the grayscale version is **93.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.7240, 29.2231, 53.7391**, and **40.8160, 29.6707, 50.1504** is the 20% darker color. If you saturate the color by 10%, you get **84.9080, 33.5694, 59.7167**, and if you desaturate by 10%, it is **102.5180, 24.8876, 44.2727**.

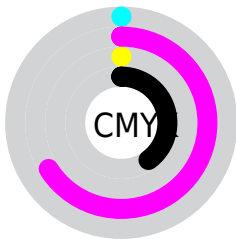
# Distribution



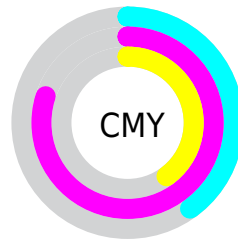
- Red (60%)
- Green (20%)
- Blue (60%)



- Red (60%)
- Yellow (20%)
- Blue (60%)



- Cyan (0%)
- Magenta (66%)
- Yellow (0%)
- Black (40%)



- Cyan (40%)
- Magenta (80%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 93.7130, 29.2285, 51.9947 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 93.7130, 29.2285, 51.9947 by changing the saturation by 10% instead.



93.7130, 29.2285,  
51.9947

93.7130, 29.2285,  
51.9947

255.0000, 0.0000,  
0.0000

63.5930, 31.2597,  
53.8539

148.7240, 29.2231,  
53.7391

40.8160, 29.6707,  
50.1504

177.0230, 29.0757,  
54.3538

30.3060, 23.0201,  
36.5656

199.8220, 27.2028,  
48.3911

20.8070, 16.3641,  
24.7253

216.2580, 19.0998,  
33.9767

7.4210, 11.6244,  
4.8928

233.2810, 10.7075,  
19.0476

0.2280, 0.8736,  
-0.2000

250.3040, 2.3151,

0.0000, 0.0000,

4.1184

0.0000

■ 93.7130, 29.2285,  
51.9947

■ 93.7130, 29.2285,  
51.9947

■ 84.9080, 33.5694,  
59.7167

■ 102.5180, 24.8876,  
44.2727

■ 75.5160, 38.1996,  
67.9535

■ 111.9100, 20.2574,  
36.0359

■ 66.7110, 42.5405,  
75.6755

■ 120.7150, 15.9165,  
28.3139

■ 63.1890, 44.2768,  
78.7642

■ 129.5200, 11.5756,  
20.5920

■ 138.9120, 6.9454,  
12.3552

■ 147.7170, 2.6045,  
4.6332

■ 156.5220, -1.7363,  
-3.0888

■ 165.3270, -6.0772,  
-10.8108

■ 174.7190,  
-10.7075, -19.0476

# Harmonies

## Analogous

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



93.4040, 47.6218, -14.3863



93.7130, 29.2285, 51.9947



77.4980, 12.0795, 92.5253

# Triad

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



93.7130, 29.2285, 51.9947



89.8840, -44.3128, 26.4117



85.5680, 28.3140, -75.0431

# Complementary

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



93.7130, 29.2285, 51.9947



111.2870, -29.2285, -51.9947

# 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.



78.8250, 5.0163, -69.1295



93.7130, 29.2285, 51.9947



82.5540, -40.6991, -12.7639

# Square

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



93.7130, 29.2285, 51.9947



87.4570, -43.1163, 62.7432



70.5660, -19.0130, -61.8864



88.0080, 47.8171, -77.1830



# Rectangle

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



93.7130, 29.2285, 51.9947



77.9270, -5.3870, 94.7800



70.5660, -19.0130, -61.8864



83.6300, 20.8884, -73.3435

# Sweetspot

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



93.7130, 29.2285, 51.9947



175.5200, 11.5756, 20.5920



63.5140, 44.1166, -10.0978



85.4990, 6.6560, 11.8404



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



93.7130, 29.2285, 51.9947



106.8410, 45.4344, 80.8234



88.0130, 7.3886, 56.9936



72.3040, 2.3151, 4.1184



57.8200, 40.5147, 72.0719



5.3690, 3.7621, 6.6924



# Inverse Universe

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



93.7130, 29.2285, 51.9947



106.8410, 45.4344, 80.8234



117.1010, -6.9518, -57.0936



72.3040, 2.3151, 4.1184



57.8200, 40.5147, 72.0719



5.3690, 3.7621, 6.6924



# Previews

## White Background



This preview shows how the YUV color 93.7130, 29.2285, 51.9947 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

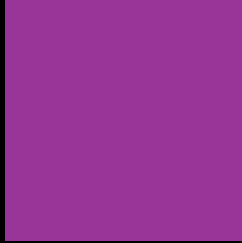
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 93.7130, 29.2285, 51.9947 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

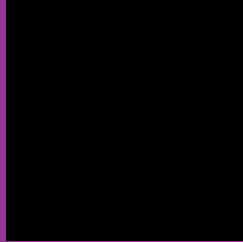
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 93.7130, 29.2285, 51.9947

## Background



This preview shows how black text looks on a background with the YUV color 93.7130, 29.2285, 51.9947.



This preview shows how white text looks on a background with the YUV color 93.7130, 29.2285,



# 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

93.7130, 29.2285, 51.9947

### Protanopia

85.9330, 51.7980, -47.2992

### Deuteranopia

94.5240, 25.3777, -19.7535



## Tritanopia

96.5000, -8.1345, 42.5345

# Trichromacy



## Original Color

93.7130, 29.2285, 51.9947

## Protanomaly

88.6880, 43.5378, -11.1274

## Deuteranomaly

94.1450, 27.0435, 6.0118

## Tritanomaly

95.7790, 5.5320, 45.7978

# Monochromacy



## Original Color

93.7130, 29.2285, 51.9947

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.8680, 10.4181, 18.5328

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 93.7130, 29.2285, 51.9947 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(153, 52, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 52, 153)  
}
```

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(153, 52, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 52, 153) }
```

## Border

The CSS property to change the border of an element to YUV 93.7130, 29.2285, 51.9947 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(153, 52, 153) }
```



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

```
.border{ border-color:rgb(153, 52, 153) }
```

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

Here you see how a box with a 4 pixel rgb(153, 52, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 52, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 52, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 52,  
153) }
```

# Background

The CSS property to change the background color of an element to YUV 93.7130, 29.2285, 51.9947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 52, 153) }
```

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

```
.background{ background-color: rgb(153, 52,  
153) }
```

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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