

# Converting Colors

YUV(90.3780, 23.9706, 58.4275)

Have a look what the booklet for  
YUV(90.3780, 23.9706, 58.4275)  
contains.

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# Color

**YUV(90.3780, 23.9706,  
58.4275)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D2F8B
RGB	157, 47, 139
RGB Percent	62%, 18%, 55%
CMY	0.3843, 0.8157, 0.4549
CMYK	0.00, 0.70, 0.11, 0.38
HSL	310°, 54%, 40%
HSV	310°, 70%, 62%
XYZ	19.5813, 11.0652, 25.5298
YIQ	90.3780, 36.0280, 51.9320

# Conversions

## Conversions Part 2

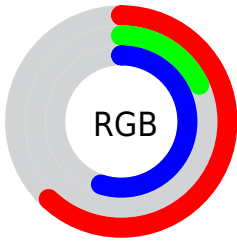
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 47, 139
Decimal	10301323
CIE <sub>Lab</sub>	39.69, 55.26, -27.31
CIE <sub>LCh</sub>	40, 61.642, 333.702
Yxy	11.0652, 0.3486, 0.1970
Android (android.graphics.Color)	4288491403 (0xFF9D2F8B)
YUV	90.3780, 23.9706, 58.4275
Hunter-Lab	33.2644, 46.8626, -22.2189

# Details

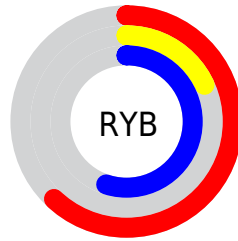
The YUV color **90.3780, 23.9706, 58.4275** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **113.6220, -23.9706, -58.4275**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.8620, 23.2390, 59.7570**, and **40.6440, 23.8395, 53.8092** is the 20% darker color. If you saturate the color by 10%, you get **80.6440, 27.2905, 66.9642**, and if you desaturate by 10%, it is **100.1120, 20.6508, 49.8908**.

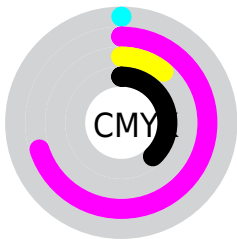
# Distribution



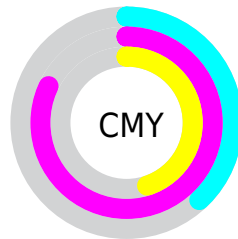
- Red (62%)
- Green (18%)
- Blue (55%)



- Red (62%)
- Yellow (18%)
- Blue (55%)



- Cyan (0%)
- Magenta (70%)
- Yellow (11%)
- Black (38%)




- Cyan (38%)
- Magenta (82%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 90.3780, 23.9706, 58.4275 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 90.3780, 23.9706, 58.4275 by changing the saturation by 10% instead.





 90.3780, 23.9706,  
58.4275


 90.3780, 23.9706,  
58.4275


255.0000, 0.0000,  
0.0000


 57.3230, 27.4488,  
62.8607


 145.8620, 23.2390,  
59.7570


 40.6440, 23.8395,  
53.8092


 174.4600, 22.9442,  
60.9866


 29.8350, 17.3363,  
39.6097

 196.9040, 26.1763,  
50.9502

 20.4500, 11.1172,  
27.6694

 214.4970, 19.9680,  
35.5211

 7.0640, 6.3774,  
7.8369

 230.9330, 11.8650,  
21.1068

 0.0000, 0.0000,  
0.0000

 248.5430, 3.1833,

5.6628

■ 90.3780, 23.9706,  
58.4275

■ 90.3780, 23.9706,  
58.4275

■ 80.6440, 27.2905,  
66.9642

■ 100.1120, 20.6508,  
49.8908

■ 71.6110, 30.7578,  
74.8862

■ 109.1450, 17.1835,  
41.9688

■ 61.8770, 34.0776,  
83.4229

■ 118.8790, 13.8637,  
33.4321

■ 128.4990, 10.1070,  
24.9954

■ 138.2330, 6.7871,  
16.4587

■ 147.2660, 3.3199,  
8.5367

■ 157.0000, 0.0000,  
0.0000

■ 166.7340, -3.3199,  
-8.5367

■ 175.7670, -6.7871,  
-16.4587

# Harmonies

## Analogous

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



94.7930, 41.0211, 2.8125



90.3780, 23.9706, 58.4275



78.4560, 5.6912, 88.1771

# Triad

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



90.3780, 23.9706, 58.4275



87.7690, -43.2701, 18.6196



84.3770, 31.3661, -73.9986

# Complementary

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



90.3780, 23.9706, 58.4275



113.6220, -23.9706, -58.4275

# 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.



78.7910, 9.9630, -69.0997



90.3780, 23.9706, 58.4275



78.6670, -38.7828, -20.7560

# Square

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



90.3780, 23.9706, 58.4275



87.1030, -42.9418, 53.4067



70.8740, -12.7559, -62.1565



85.5460, 48.5378, -75.0238



# Rectangle

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



90.3780, 23.9706, 58.4275



80.8520, -11.7590, 85.1988



70.8740, -12.7559, -62.1565



82.6670, 24.8142, -72.4990

# Sweetspot

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



90.3780, 23.9706, 58.4275



177.9610, 9.3862, 22.8362



64.6230, 45.5419, -0.5464



86.8690, 5.4876, 13.2699



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



90.3780, 23.9706, 58.4275



100.4310, 37.2555, 90.8300



84.2220, 0.3836, 63.8263



74.1900, 1.8783, 4.2184



56.3230, 30.8998, 76.0157



5.9670, 3.4673, 7.9219



# Inverse Universe

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



90.3780, 23.9706, 58.4275



100.4310, 37.2555, 90.8300



119.7780, -0.3836, -63.8263



74.1900, 1.8783, 4.2184



56.3230, 30.8998, 76.0157



5.9670, 3.4673, 7.9219



# Previews

## White Background



This preview shows how the YUV color 90.3780, 23.9706, 58.4275 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 90.3780, 23.9706, 58.4275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

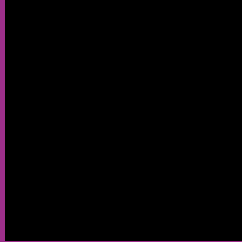
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 90.3780, 23.9706, 58.4275**

## **Background**



This preview shows how black text looks on a background with the YUV color 90.3780, 23.9706, 58.4275.



This preview shows how white text looks on a background with the YUV color 90.3780, 23.9706,



# 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

90.3780, 23.9706, 58.4275

### Protanopia

88.6480, 44.0505, -35.6483

### Deuteranopia

93.8580, 18.8040, -11.2765



## Tritanopia

92.9740, -10.3402, 50.0118

# Trichromacy



## Original Color

90.3780, 23.9706, 58.4275

## Protanomaly

89.6200, 36.6693, -1.4207

## Deuteranomaly

92.5930, 20.9067, 14.3889

## Tritanomaly

91.9110, 2.0159, 53.5751

# Monochromacy



## Original Color

90.3780, 23.9706, 58.4275

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

89.8360, 8.9549, 21.1918

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.3780, 23.9706, 58.4275 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, 47, 139)` looks like.

```
.text, #text, p{  
    color:rgb(157, 47, 139)  
}
```

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, 47, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 47, 139) }
```

## Border

The CSS property to change the border of an element to YUV 90.3780, 23.9706, 58.4275 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, 47, 139) }
```



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

```
.border{ border-color:rgb(157, 47, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 47, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 47, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 47, 139);  
box-shadow:4px 4px 4px 4px rgb(157, 47,  
139) }
```

# Background

The CSS property to change the background color of an element to YUV 90.3780, 23.9706, 58.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 47, 139) }
```

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

```
.background{ background-color: rgb(157, 47,  
139) }
```

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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