

# Converting Colors

YUV(97.3200, 52.1002, 42.6924)

Have a look what the booklet for  
YUV(97.3200, 52.1002, 42.6924)  
contains.

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# Color

**YUV(97.3200, 52.1002,  
42.6924)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9234CB
RGB	146, 52, 203
RGB Percent	57%, 20%, 80%
CMY	0.4275, 0.7961, 0.2039
CMYK	0.28, 0.74, 0.00, 0.20
HSL	277°, 59%, 50%
HSV	277°, 74%, 80%
XYZ	23.8615, 12.8788, 57.7281
YIQ	97.3200, 7.5530, 66.8890

# Conversions

## Conversions Part 2

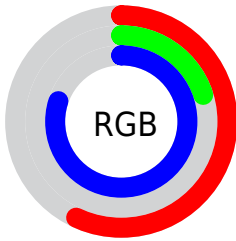
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 52, 203
Decimal	9581771
CIE <sub>Lab</sub>	42.58, 62.92, -60.87
CIE <sub>LCh</sub>	43, 87.547, 315.948
Yxy	12.8788, 0.2526, 0.1363
Android (android.graphics.Color)	4287771851 (0xFF9234CB)
YUV	97.3200, 52.1002, 42.6924
Hunter-Lab	35.8870, 55.8837, -70.2535

# Details

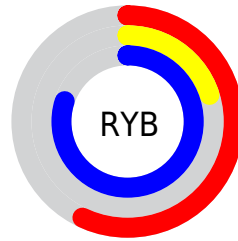
The YUV color **97.3200, 52.1002, 42.6924** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **157.6800, -52.1002, -42.6924**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.4620, 50.0582, 44.3218**, and **43.4830, 51.5269, 39.9184** is the 20% darker color. If you saturate the color by 10%, you get **83.1880, 59.0673, 48.0701**, and if you desaturate by 10%, it is **111.4520, 45.1332, 37.3146**.

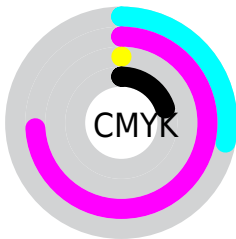
# Distribution



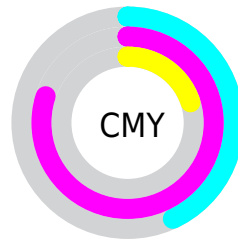
- Red (57%)
- Green (20%)
- Blue (80%)



- Red (57%)
- Yellow (20%)
- Blue (80%)



- Cyan (28%)
- Magenta (74%)
- Yellow (0%)
- Black (20%)



- Cyan (43%)
- Magenta (80%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 97.3200, 52.1002, 42.6924 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 97.3200, 52.1002, 42.6924 by changing the saturation by 10% instead.



97.3200, 52.1002,  
42.6924

97.3200, 52.1002,  
42.6924

255.0000, 0.0000,  
0.0000

65.4990, 53.9840,  
45.1664

153.4620, 50.0582,  
44.3218

43.4830, 51.5269,  
39.9184

178.2810, 37.8225,  
48.8656

31.7340, 44.0081,  
24.7893

200.9960, 26.6240,  
47.3615

19.9140, 37.5104,  
8.8454

217.4320, 18.5210,  
32.9471

8.0940, 31.0127,  
-7.0984

234.4550, 10.1287,  
18.0180

7.7060, 19.3719,  
-6.7582

251.4780, 1.7363,

3.5510, 11.0674,

3.0888

-3.1142

■ 0.0000, 0.0000,  
0.0000

■ 97.3200, 52.1002,  
42.6924

■ 97.3200, 52.1002,  
42.6924

■ 83.1880, 59.0673,  
48.0701

■ 111.4520, 45.1332,  
37.3146

■ 68.7680, 66.1764,  
54.5775

■ 125.8720, 38.0241,  
30.8073

■ 60.8160, 70.0967,  
57.1664

■ 140.0040, 31.0570,  
25.4295

■ 154.1360, 24.0900,  
20.0517

■ 168.5560, 16.9809,  
13.5444

■ 182.6880, 10.0138,  
8.1666

■ 196.8200, 3.0467,  
2.7889

■ 210.6530, -3.7729,  
-3.2037

■ 225.3720,  
-11.0294, -9.0962

# Harmonies

## Analogous

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



85.2280, 77.7816, -74.7450



97.3200, 52.1002, 42.6924



77.6250, 29.7649, 113.4619

# Triad

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



97.3200, 52.1002, 42.6924



95.0440, -46.8567, 49.0734



90.9820, 23.6729, -79.7912

# Complementary

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



97.3200, 52.1002, 42.6924



157.6800, -52.1002, -42.6924

# 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.



81.0300, -9.3818, -71.0633



97.3200, 52.1002, 42.6924



89.9960, -44.3680, -2.6275

# Square

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



97.3200, 52.1002, 42.6924



78.2740, -38.5891, 104.1227



71.0270, -35.0163, -62.2907



98.5060, 52.5015, -86.3898



# Rectangle

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



97.3200, 52.1002, 42.6924



76.0400, 6.8823, 126.2529



71.0270, -35.0163, -62.2907



88.1320, 12.7529, -77.2918

# Sweetspot

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



97.3200, 52.1002, 42.6924



215.8490, 19.3014, 15.9184



103.2600, 49.1718, -44.9550



104.1550, 11.7556, 9.5111



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



97.3200, 52.1002, 42.6924



96.0370, 78.3688, 63.9886



112.3110, 35.8357, 79.5343



94.9340, 3.4835, 2.6889



49.7210, 57.3255, 46.7257



11.5080, 13.0606, 10.9555



# Inverse Universe

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



103.6470, 2.6390, 87.1326



105.6770, 4.1032, 130.9563



142.6890, -35.8357, -79.5343



95.4460, 0.2731, 5.7479



56.8160, 3.0487, 95.7544

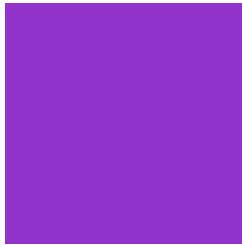


12.9580, 0.5137, 21.9618



# Previews

## White Background



This preview shows how the YUV color 97.3200, 52.1002, 42.6924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

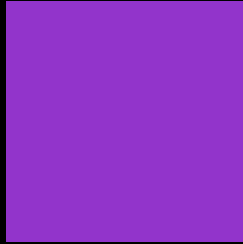
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 97.3200, 52.1002, 42.6924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

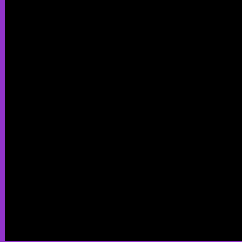
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 97.3200, 52.1002, 42.6924

## Background



This preview shows how black text looks on a background with the YUV color 97.3200, 52.1002, 42.6924.



This preview shows how white text looks on a background with the YUV color 97.3200, 52.1002,



# 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

97.3200, 52.1002, 42.6924

### Protanopia

80.4230, 61.9095, -70.5310

### Deuteranopia

80.9810, 48.8164, -71.0203



## Tritanopia

102.1600, -2.5439, 22.6617

# Trichromacy



## Original Color

97.3200, 52.1002, 42.6924



## Protanomaly

86.7640, 58.2903, -29.6110



## Deuteranomaly

86.5870, 49.9966, -29.4558



## Tritanomaly

100.4810, 17.5109, 30.2732

# Monochromacy



## Original Color

97.3200, 52.1002, 42.6924



## Achromatopsia

97.0000, 0.0000, 0.0000



## Achromatomaly

97.4360, 19.0121, 15.4036

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 97.3200, 52.1002, 42.6924 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(146, 52, 203)` looks like.

```
.text, #text, p{  
    color:rgb(146, 52, 203)  
}
```

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(146, 52, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 52, 203) }
```

## Border

The CSS property to change the border of an element to YUV 97.3200, 52.1002, 42.6924 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(146, 52, 203) }
```



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

```
.border{ border-color:rgb(146, 52, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 52, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 52, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 52, 203);  
box-shadow:4px 4px 4px 4px rgb(146, 52,  
203) }
```

# Background

The CSS property to change the background color of an element to YUV 97.3200, 52.1002, 42.6924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 52, 203) }
```

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

```
.background{ background-color: rgb(146, 52,  
203) }
```

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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