

# Converting Colors

YUV(97.2980, 55.5621, 52.3587)

Have a look what the booklet for  
YUV(97.2980, 55.5621, 52.3587)  
contains.

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# Color

**YUV(97.2980, 55.5621,  
52.3587)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D2DD2
RGB	157, 45, 210
RGB Percent	62%, 18%, 82%
CMY	0.3843, 0.8235, 0.1765
CMYK	0.25, 0.79, 0.00, 0.18
HSL	281°, 65%, 50%
HSV	281°, 79%, 82%
XYZ	26.4759, 13.6980, 62.2213
YIQ	97.2980, 13.7870, 75.0590

# Conversions

## Conversions Part 2

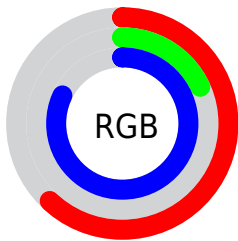
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 45, 210
Decimal	10300882
CIE <sub>Lab</sub>	43.80, 68.80, -62.87
CIE <sub>LCh</sub>	44, 93.198, 317.578
Yxy	13.6980, 0.2586, 0.1338
Android (android.graphics.Color)	4288490962 (0xFF9D2DD2)
YUV	97.2980, 55.5621, 52.3587
Hunter-Lab	37.0108, 62.9219, -73.7687

# Details

The YUV color  $97.2980, 55.5621, 52.3587$  is a dark color, and the websafe version is hex  $9933CC$ . The color can be described as middle washed purple. A complement of this color would be  $157.7020, -55.5621, -52.3587$ , and the grayscale version is  $97.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $154.7020, 49.4469, 53.7583$ , and  $47.1570, 52.6736, 45.4663$  is the 20% darker color. If you saturate the color by 10%, you get  $82.8780, 62.6711, 58.8660$ , and if you desaturate by 10%, it is  $111.7180, 48.4530, 45.8513$ .

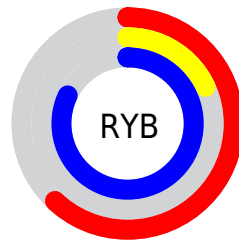
# Distribution



Red (62%)

Green (18%)

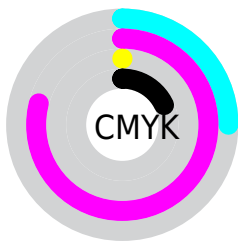
Blue (82%)



Red (62%)

Yellow (18%)

Blue (82%)

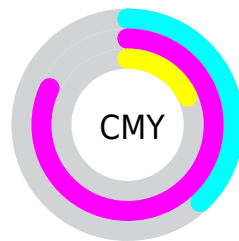


Cyan (25%)

Magenta (79%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (82%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 97.2980, 55.5621, 52.3587 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 97.2980, 55.5621, 52.3587 by changing the saturation by 10% instead.



■ 97.2980, 55.5621,  
52.3587

■ 97.2980, 55.5621,  
52.3587

■ 255.0000, 0.0000,  
0.0000

■ 59.0200, 60.6291,  
60.4955

■ 154.7020, 49.4469,  
53.7583

■ 47.1570, 52.6736,  
45.4663

■ 180.1080, 36.9218,  
57.7873

■ 35.5220, 45.5917,  
30.2372

■ 199.2350, 27.4921,  
48.9059

■ 23.8870, 38.5097,  
15.0081

■ 216.2580, 19.0998,  
33.9767

■ 8.7780, 33.6334,  
-7.6983

■ 233.2810, 10.7075,  
19.0476

■ 8.9770, 21.7033,  
-7.8728

■ 250.3040, 2.3151,

■ 4.7080, 12.9620,

4.1184

-4.1289

■ 0.1140, 0.4368,  
-0.1000

■ 0.0000, 0.0000,  
0.0000

■ 97.2980, 55.5621,  
52.3587

■ 97.2980, 55.5621,  
52.3587

■ 82.8780, 62.6711,  
58.8660

■ 111.7180, 48.4530,  
45.8513

■ 68.7570, 69.6328,  
65.9881

■ 125.8390, 41.4914,  
38.7292

■ 66.6970, 70.6484,  
66.9177

■ 140.2590, 34.3823,  
32.2219

■ 154.6790, 27.2733,  
25.7145

■ 169.0990, 20.1642,  
19.2072

■ 183.2200, 13.2025,  
12.0851

■ 197.6400, 6.0935,  
5.5777

■ 212.0600, -1.0156,  
-0.9296

■ 226.4800, -8.1246,  
-7.4370

# Harmonies

## Analogous

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



87.1830, 82.7338, -76.4595



97.2980, 55.5621, 52.3587



81.3270, 28.4328, 120.7392

# Triad

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



97.2980, 55.5621, 52.3587



97.9900, -48.3091, 48.2438



95.0570, 26.5939, -83.3650

# Complementary

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



97.2980, 55.5621, 52.3587



157.7020, -55.5621, -52.3587

# 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.



84.5350, -8.6448, -74.1372



97.2980, 55.5621, 52.3587



92.0340, -45.3728, -7.0458

# Square

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



97.2980, 55.5621, 52.3587



79.4810, -39.1841, 108.3262



73.9620, -36.4633, -64.8647



102.4500, 57.4592, -89.8486



# Rectangle

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



97.2980, 55.5621, 52.3587



79.1010, 4.3872, 133.2154



73.9620, -36.4633, -64.8647



91.3920, 15.0897, -80.1508

# Sweetspot

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



97.2980, 55.5621, 52.3587



213.2130, 20.6010, 19.1072



96.0950, 56.1552, -44.8103



102.6930, 12.4764, 11.6702



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.



97.2980, 55.5621, 52.3587



91.0970, 80.8042, 76.2139



109.9530, 35.5192, 87.7412



97.3470, 3.7729, 3.2037



53.2380, 56.5777, 53.2883



13.0460, 13.7813, 13.1147



# Inverse Universe

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



100.3770, -1.1719, 96.1394



95.5380, -1.7442, 139.8482



144.9330, -35.9560, -87.6412



97.6310, -0.3111, 6.4626



56.3880, -1.1773, 97.8837



13.7410, -0.3653, 23.9061



# Previews

## White Background



This preview shows how the YUV color 97.2980, 55.5621, 52.3587 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 97.2980, 55.5621, 52.3587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

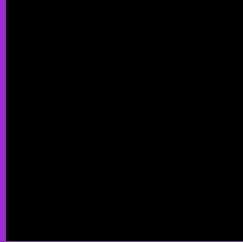
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 97.2980, 55.5621, 52.3587

## Background



This preview shows how black text looks on a background with the YUV color 97.2980, 55.5621, 52.3587.



This preview shows how white text looks on a background with the YUV color 97.2980, 55.5621,



# 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

97.2980, 55.5621, 52.3587

### Protanopia

82.8680, 63.6621, -72.6752

### Deuteranopia

83.4260, 50.5690, -73.1646



## Tritanopia

105.4490, -4.1654, 29.4242

# Trichromacy



## Original Color

97.2980, 55.5621, 52.3587

## Protanomaly

88.0570, 60.6109, -27.2370

## Deuteranomaly

88.5810, 52.4646, -27.6965

## Tritanomaly

102.8240, 17.3418, 37.8654

# Monochromacy



## Original Color

97.2980, 55.5621, 52.3587

## Achromatopsia

97.0000, 0.0000, 0.0000

## Achromatomaly

97.0990, 20.1642, 19.2072

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 97.2980, 55.5621, 52.3587 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, 45, 210)` looks like.

```
.text, #text, p{  
    color:rgb(157, 45, 210)  
}
```

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, 45, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 45, 210) }
```

## Border

The CSS property to change the border of an element to YUV 97.2980, 55.5621, 52.3587 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, 45, 210) }
```



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

```
.border{ border-color:rgb(157, 45, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 45, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 45, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 45, 210);  
box-shadow:4px 4px 4px 4px rgb(157, 45,  
210) }
```

# Background

The CSS property to change the background color of an element to YUV 97.2980, 55.5621, 52.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 45, 210) }
```

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

```
.background{ background-color: rgb(157, 45,  
210) }
```

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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