

# Converting Colors

YUV(109.9700, 12.3398, 8.7963)

Have a look what the booklet for  
YUV(109.9700, 12.3398, 8.7963)  
contains.

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# Color

**YUV(109.9700, 12.3398,  
8.7963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	786487
RGB	120, 100, 135
RGB Percent	47%, 39%, 53%
CMY	0.5294, 0.6078, 0.4706
CMYK	0.11, 0.26, 0.00, 0.47
HSL	274°, 15%, 46%
HSV	274°, 26%, 53%
XYZ	16.6761, 14.8567, 24.9104
YIQ	109.9700, 0.6850, 15.1250

# Conversions

## Conversions Part 2

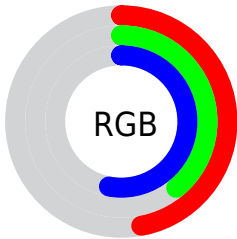
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 100, 135
Decimal	7890055
CIE Lab	45.44, 15.10, -16.40
CIE LCh	45, 22.287, 312.638
Yxy	14.8567, 0.2954, 0.2632
Android (android.graphics.Color)	4286080135 (0xFF786487)
YUV	109.9700, 12.3398, 8.7963
Hunter-Lab	38.5444, 9.7747, -11.3368

# Details

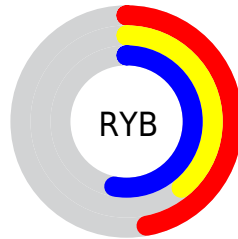
The YUV color **109.9700, 12.3398, 8.7963** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **125.0300, -12.3398, -8.7963**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **161.7960, 12.9186, 9.8259**, and **62.0300, 11.3242, 7.8667** is the 20% darker color. If you saturate the color by 10%, you get **99.9580, 17.2757, 12.3148**, and if you desaturate by 10%, it is **119.9820, 7.4039, 5.2778**.

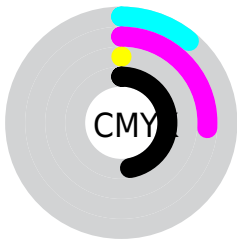
# Distribution



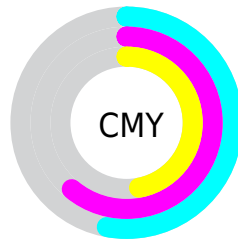
- Red (47%)
- Green (39%)
- Blue (53%)



- Red (47%)
- Yellow (39%)
- Blue (53%)



- Cyan (11%)
- Magenta (26%)
- Yellow (0%)
- Black (47%)



- Cyan (53%)
- Magenta (61%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 109.9700, 12.3398, 8.7963 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 109.9700, 12.3398, 8.7963 by changing the saturation by 10% instead.



■ 109.9700, 12.3398,  
8.7963

■ 109.9700, 12.3398,  
8.7963

■ 255.0000, 0.0000,  
0.0000

■ 85.5570, 12.0504,  
8.2815

■ 161.7960, 12.9186,  
9.8259

■ 62.0300, 11.3242,  
7.8667

■ 188.9100, 13.3554,  
9.7259

■ 40.2040, 10.7454,  
6.8371

■ 216.4370, 14.0816,  
10.1408

■ 18.5030, 10.5980,  
7.4519

■ 242.0860, 6.3666,  
11.3256

■ 2.7530, 8.0098,  
-2.4144

■ 0.0000, 0.0000,  
0.0000

■ 109.9700, 12.3398,  
8.7963

■ 109.9700, 12.3398,  
8.7963

■ 99.9580, 17.2757,  
12.3148

■ 119.9820, 7.4039,  
5.2778

■ 90.5330, 21.9222,  
15.3186

■ 129.4070, 2.7573,  
2.2741

■ 80.8200, 26.7107,  
19.4519

■ 139.1200, -2.0312,  
-1.8592

■ 71.3950, 31.3573,  
22.4556

■ 148.5450, -6.6777,  
-4.8630

■ 61.9700, 36.0038,  
25.4593

■ 158.5570,  
-11.6136, -8.3815

■ 51.9580, 40.9397,  
28.9778

■ 167.9820,  
-16.2601, -11.3852

■ 42.5330, 45.5862,  
31.9816


■ 177.9940,  
-21.1960, -14.9037

■ 38.4130, 47.6174,

■ 187.1200,

33.8408

-25.6952, -18.5222

 197.1320,  
-30.6311, -22.0408

# Harmonies

## Analogous

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



107.6300, 17.9304, -11.0765



109.9700, 12.3398, 8.7963



110.2940, 4.2921, 23.4212

# Triad

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



109.9700, 12.3398, 8.7963



107.5390, -17.5207, 19.6983



97.6250, 8.5659, -40.8901

# Complementary

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



109.9700, 12.3398, 8.7963



125.0300, -12.3398, -8.7963

# 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.



100.5530, -2.2446, -26.7950



109.9700, 12.3398, 8.7963



105.8640, -17.1880, 6.2583

# Square

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



109.9700, 12.3398, 8.7963



108.8590, -12.7485, 29.0647



103.5460, -11.6082, -10.1258



97.4920, 17.0124, -43.4045



# Rectangle

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



109.9700, 12.3398, 8.7963



110.1330, -1.5446, 28.8244



103.5460, -11.6082, -10.1258



98.4360, 5.2081, -37.2164

# Sweetspot

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



109.9700, 12.3398, 8.7963



165.9880, 4.9359, 3.5185



112.7950, 10.9471, -11.2212



82.5210, 3.1941, 2.1741



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



109.9700, 12.3398, 8.7963



136.8380, 19.3069, 14.1741



114.2270, 9.2551, 18.2179



61.5810, 2.1786, 1.2445



36.9460, 45.8756, 32.4964



0.6410, 1.1630, 0.3148



# Inverse Universe

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



112.1750, 1.3927, 20.0175



140.1810, 2.3758, 31.4133



120.7730, -9.2551, -18.2179



62.1360, 0.4260, 3.3887



45.2540, 5.2978, 74.3222



1.0110, -0.0054, 1.7444



# Previews

## White Background



This preview shows how the YUV color 109.9700, 12.3398, 8.7963 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 109.9700, 12.3398, 8.7963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

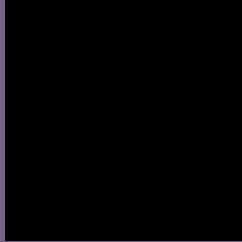
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 109.9700, 12.3398, 8.7963

## Background



This preview shows how black text looks on a background with the YUV color 109.9700, 12.3398, 8.7963.



This preview shows how white text looks on a background with the YUV color 109.9700, 12.3398, 8.7963.



# 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

109.9700, 12.3398, 8.7963

### Protanopia

107.7830, 15.8830, -7.7027

### Deuteranopia

108.8930, 12.3778, -3.4142



## Tritanopia

108.5000, 1.7255, 6.5775

# Trichromacy



## Original Color

109.9700, 12.3398, 8.7963

## Protanomaly

108.7730, 14.4089, -1.5549

## Deuteranomaly

109.2140, 12.2195, 0.6893

## Tritanomaly

109.1240, 5.3619, 6.9073

# Monochromacy



## Original Color

109.9700, 12.3398, 8.7963

## Achromatopsia

110.0000, 0.0000, 0.0000

## Achromatomaly

109.8740, 4.4991, 3.6185

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 109.9700, 12.3398, 8.7963 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(120, 100, 135)` looks like.

```
.text, #text, p{  
    color:rgb(120, 100, 135)  
}
```

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(120, 100, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 100, 135) }
```

## Border

The CSS property to change the border of an element to YUV 109.9700, 12.3398, 8.7963 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(120, 100, 135) }
```



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

```
.border{ border-color:rgb(120, 100, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 100, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 100, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 100, 135); box-shadow:4px 4px 4px 4px rgb(120, 100, 135) }
```

# Background

The CSS property to change the background color of an element to YUV 109.9700, 12.3398, 8.7963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 100, 135) }
```

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

```
.background{ background-color: rgb(120,  
100, 135) }
```

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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