

# Converting Colors

YUV(98.5160, 17.9866, 64.4455)

Have a look what the booklet for  
YUV(98.5160, 17.9866, 64.4455)  
contains.

<b>YUV(98.5160, 17.9866, 64.4455)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(98.5160, 17.9866,  
64.4455)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC3687
RGB	172, 54, 135
RGB Percent	67%, 21%, 53%
CMY	0.3255, 0.7882, 0.4706
CMYK	0.00, 0.69, 0.22, 0.33
HSL	319°, 52%, 44%
HSV	319°, 69%, 67%
XYZ	22.7056, 13.1583, 24.2648
YIQ	98.5160, 44.3270, 50.2070

# Conversions

## Conversions Part 2

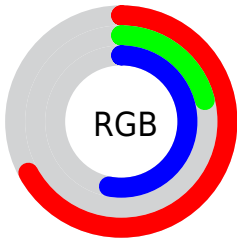
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 54, 135
Decimal	11286151
CIE <sub>Lab</sub>	43.00, 55.93, -19.53
CIE <sub>LCh</sub>	43, 59.241, 340.751
Yxy	13.1583, 0.3776, 0.2188
Android (android.graphics.Color)	4289476231 (0xFFAC3687)
YUV	98.5160, 17.9866, 64.4455
Hunter-Lab	36.2743, 48.2505, -14.2685

# Details

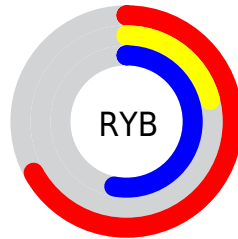
The YUV color **98.5160, 17.9866, 64.4455** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **127.4840, -17.9866, -64.4455**, and the grayscale version is **98.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.7720, 16.3814, 65.9750**, and **44.3740, 20.0286, 62.8160** is the 20% darker color. If you saturate the color by 10%, you get **87.9670, 20.7223, 73.6969**, and if you desaturate by 10%, it is **109.0650, 15.2510, 55.1940**.

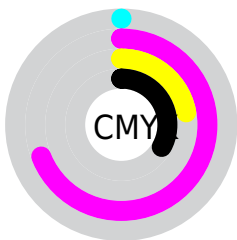
# Distribution



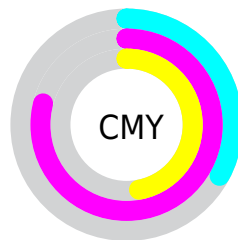
- Red (67%)
- Green (21%)
- Blue (53%)



- Red (67%)
- Yellow (21%)
- Blue (53%)



- Cyan (0%)
- Magenta (69%)
- Yellow (22%)
- Black (33%)



- Cyan (33%)
- Magenta (79%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 98.5160, 17.9866, 64.4455 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 98.5160, 17.9866, 64.4455 by changing the saturation by 10% instead.



■ 98.5160, 17.9866,  
64.4455

■ 98.5160, 17.9866,  
64.4455

■ 255.0000, 0.0000,  
0.0000

■ 67.9230, 20.7440,  
66.7195

■ 154.7720, 16.3814,  
65.9750

■ 44.3740, 20.0286,  
62.8160

■ 181.2880, 17.1130,  
64.6454

■ 33.6790, 13.9623,  
48.5165

■ 201.0300, 21.6772,  
47.3317

■ 23.3970, 8.1853,  
34.7318

■ 218.6060, 17.9422,  
31.9175

■ 12.8160, 2.5557,  
20.3324

■ 235.6290, 9.5499,  
16.9884

■ 0.0000, 0.0000,  
0.0000

■ 253.2390, 0.8682,

1.5444

■ 98.5160, 17.9866,  
64.4455

■ 98.5160, 17.9866,  
64.4455

■ 87.9670, 20.7223,  
73.6969

■ 109.0650, 15.2510,  
55.1940

■ 77.3040, 23.0211,  
83.0484

■ 119.7280, 12.9521,  
45.8425

■ 66.1680, 26.0462,  
92.8147

■ 130.8640, 9.9270,  
36.0763

■ 64.8800, 26.1882,  
93.9442

■ 141.5270, 7.6282,  
26.7248

■ 152.0760, 4.8925,  
17.4733

■ 162.6250, 2.1569,  
8.2219

■ 173.2880, -0.1420,  
-1.1296

■ 184.4240, -3.1670,  
-10.8958

■ 195.0870, -5.4659,  
-20.2473

# Harmonies

## Analogous

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



104.5130, 35.7361, 17.9671



98.5160, 17.9866, 64.4455



92.1320, -3.0231, 83.1992

# Triad

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



98.5160, 17.9866, 64.4455



93.6280, -46.1586, 11.7272



90.4240, 36.7660, -79.3018

# Complementary

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



98.5160, 17.9866, 64.4455



127.4840, -17.9866, -64.4455

# 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.



85.6530, 15.9471, -75.1177



98.5160, 17.9866, 64.4455



84.4100, -35.6981, -30.1776

# Square

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



98.5160, 17.9866, 64.4455



95.3210, -46.9933, 46.1995



78.6650, -5.7508, -68.9892



90.2080, 51.1695, -79.1124



# Rectangle

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



98.5160, 17.9866, 64.4455



93.8590, -19.1575, 78.1767



78.6650, -5.7508, -68.9892



89.4150, 30.3614, -78.4170

# Sweetspot

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



98.5160, 17.9866, 64.4455



194.8150, 7.4862, 25.5952



77.9170, 46.3829, 9.7198



94.5380, 4.1718, 15.3142



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



98.5160, 17.9866, 64.4455



109.4940, 28.3505, 100.4218



92.0180, -6.9109, 70.1442



81.3750, 1.2941, 4.9331



56.5920, 22.8791, 81.9188



8.7010, 3.5984, 12.5402



# Inverse Universe

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



98.5160, 17.9866, 64.4455



109.4940, 28.3505, 100.4218



133.9820, 6.9109, -70.1442



81.3750, 1.2941, 4.9331



56.5920, 22.8791, 81.9188



8.7010, 3.5984, 12.5402



# Previews

## White Background



This preview shows how the YUV color 98.5160, 17.9866, 64.4455 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 98.5160, 17.9866, 64.4455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

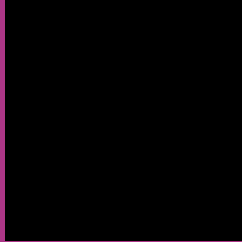
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 98.5160, 17.9866, 64.4455

## Background



This preview shows how black text looks on a background with the YUV color 98.5160, 17.9866, 64.4455.



This preview shows how white text looks on a background with the YUV color 98.5160, 17.9866,



# 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

98.5160, 17.9866, 64.4455

### Protanopia

100.0210, 34.9926, -23.6974

### Deuteranopia

102.8930, 12.3778, -3.4142



## Tritanopia

100.1600, -12.4039, 58.6187

# Trichromacy



## Original Color

98.5160, 17.9866, 64.4455

## Protanomaly

99.3240, 28.9273, 8.4859

## Deuteranomaly

101.3290, 14.6278, 21.6365

## Tritanomaly

99.7440, -1.3528, 60.7375

# Monochromacy



## Original Color

98.5160, 17.9866, 64.4455

## Achromatopsia

99.0000, 0.0000, 0.0000

## Achromatomaly

99.1630, 6.3286, 23.5360

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 98.5160, 17.9866, 64.4455 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(172, 54, 135)` looks like.

```
.text, #text, p{  
    color:rgb(172, 54, 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(172, 54, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 54, 135) }
```

## Border

The CSS property to change the border of an element to YUV 98.5160, 17.9866, 64.4455 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(172, 54, 135) }
```



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

```
.border{ border-color:rgb(172, 54, 135) }
```

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

Here you see how a box with a 4 pixel rgb(172, 54, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 54, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 54, 135);  
box-shadow:4px 4px 4px 4px rgb(172, 54,  
135) }
```

# Background

The CSS property to change the background color of an element to YUV 98.5160, 17.9866, 64.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 54, 135) }
```

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

```
.background{ background-color: rgb(172, 54,  
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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