

# Converting Colors

YUV(158.2700, -19.3601,  
49.7522)

Have a look what the booklet for  
YUV(158.2700, -19.3601, 49.7522)  
contains.

<b>YUV(158.2700, -19.3601, 49.7522)</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(158.2700, -19.3601,  
49.7522)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D78977
RGB	215, 137, 119
RGB Percent	84%, 54%, 47%
CMY	0.1569, 0.4627, 0.5333
CMYK	0.00, 0.36, 0.45, 0.16
HSL	11°, 55%, 65%
HSV	11°, 45%, 84%
XYZ	40.2998, 33.6703, 21.8278
YIQ	158.2700, 52.2660, 10.9380

# Conversions

## Conversions Part 2

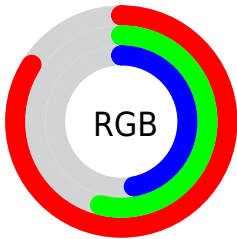
Format	Color
R <sub>Y</sub> B	215, 141, 119
Decimal	14125431
CIE Lab	64.70, 27.78, 22.09
CIE LCh	65, 35.492, 38.482
Yxy	33.6703, 0.4207, 0.3515
Android (android.graphics.Color)	4292315511 (0xFFD78977)
YUV	158.2700, -19.3601, 49.7522
Hunter-Lab	58.0261, 22.4245, 18.3151

# Details

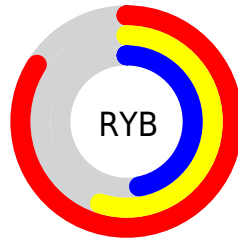
The YUV color  $158.2700, -19.3601, 49.7522$  is a light color, and the websafe version is hex  $FF9999$ . A complement of this color would be  $175.7300, 19.3601, -49.7522$ , and the grayscale version is  $158.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $207.8560, -18.1700, 41.3453$ , and  $105.4050, -17.4547, 45.2488$  is the 20% darker color. If you saturate the color by 10%, you get  $145.8970, -23.6132, 60.6033$ , and if you desaturate by 10%, it is  $170.7570, -14.6702, 38.8011$ .

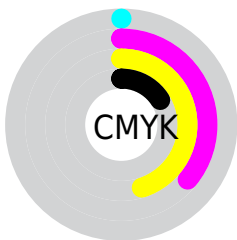
# Distribution



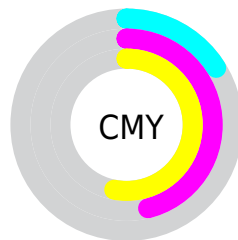
- Red (84%)
- Green (54%)
- Blue (47%)



- Red (84%)
- Yellow (55%)
- Blue (47%)



- Cyan (0%)
- Magenta (36%)
- Yellow (45%)
- Black (16%)



- Cyan (16%)
- Magenta (46%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 158.2700, -19.3601, 49.7522 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 158.2700, -19.3601, 49.7522 by changing the saturation by 10% instead.



■ 158.2700,  
-19.3601, 49.7522

■ 158.2700,  
-19.3601, 49.7522

■ 255.0000, 0.0000,  
0.0000

■ 131.4870,  
-18.4811, 47.8079

■ 207.8560,  
-18.1700, 41.3453

■ 105.4050,  
-17.4547, 45.2488

■ 227.4840,  
-14.0426, 24.1315

■ 80.4370, -15.9914,  
42.5898

■ 247.6990,  
-10.2046, 6.4030

■ 55.8820, -14.2388,  
40.4455

■ 31.6430, -15.1070,  
38.9011

■ 14.9500, -7.3703,  
30.7388

■ 3.8870, -1.9163,

7.9921

■ 0.0000, 0.0000,  
0.0000

■ 158.2700,  
-19.3601, 49.7522

■ 158.2700,  
-19.3601, 49.7522

■ 145.8970,  
-23.6132, 60.6033

■ 170.7570,  
-14.6702, 38.8011

■ 132.8230,  
-28.0137, 72.0692

■ 183.7170,  
-10.7065, 27.4352

■ 120.4500,  
-32.2668, 82.9204

■ 196.2040, -6.0166,  
16.4841

■ 107.3760,  
-36.6674, 94.3862

■ 209.1640, -2.0529,  
5.1182

■ 95.0030, -40.9205,  
105.2374

■ 221.6510, 2.6371,  
-5.8329

■ 87.7650, -43.2681,  
111.5851

■ 234.6110, 6.6008,  
-17.1988

■ 243.0400, 5.8963,  
-24.5911

# Harmonies

## Analogous

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



159.6520, -5.2514, 51.1712



158.2700, -19.3601, 49.7522



156.3640, -28.7735, 35.6378

# Triad

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



158.2700, -19.3601, 49.7522



144.5310, -5.6848, -43.4387



154.7990, 31.6511, -25.2567

# Complementary

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



158.2700, -19.3601, 49.7522



175.7300, 19.3601, -49.7522

# 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.



142.8820, 35.5542, -63.9175



158.2700, -19.3601, 49.7522



135.8980, 14.3473, -75.3325

# Square

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



158.2700, -19.3601, 49.7522



150.4780, -21.9277, -13.5742



128.5760, 32.7470, -96.9752



160.1410, 23.1015, 10.4003



# Rectangle

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



158.2700, -19.3601, 49.7522



154.5210, -30.3299, 21.4681



128.5760, 32.7470, -96.9752



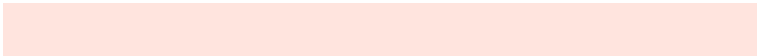
151.8790, 33.5837, -38.4819

# Sweetspot

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



158.2700, -19.3601, 49.7522



235.3890, -6.6008, 17.1988



156.5960, 19.9192, 51.2203



115.6270, -4.2531, 10.8511



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.



158.2700, -19.3601, 49.7522



173.5240, -27.8663, 71.4545



186.4460, -33.2509, 25.0419



100.4630, -2.2003, 5.7329



69.9130, -34.4671, 88.6533



17.5530, -8.6536, 22.3170



# Inverse Universe

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



175.7300, 19.3601, -49.7522



198.4760, 27.8663, -71.4545



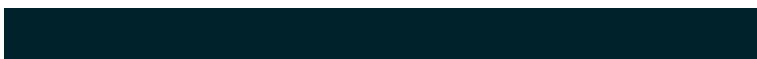
147.5540, 33.2509, -25.0419



102.5370, 2.2003, -5.7329



101.0870, 34.4671, -88.6533



25.4470, 8.6536, -22.3170



# Previews

## White Background



This preview shows how the YUV color 158.2700, -19.3601, 49.7522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 158.2700, -19.3601, 49.7522 looks on a black 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 ✓ Pass

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

# YUV 158.2700, -19.3601, 49.7522 Background



This preview shows how black text looks on a background with the YUV color 158.2700, -19.3601, 49.7522.



This preview shows how white text looks on a background with the YUV color 158.2700, -19.3601,



# 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

158.2700, -19.3601, 49.7522

### Protanopia

156.6840, -14.1412, 9.0471

### Deuteranopia

157.4750, -20.4472, 25.0164



## Tritanopia

159.2560, -8.0142, 50.6415

# Trichromacy



## Original Color

158.2700, -19.3601, 49.7522

## Protanomaly

157.3160, -15.9318, 23.4019

## Deuteranomaly

157.9430, -20.1849, 34.2530

## Tritanomaly

158.5180, -12.0874, 50.4117

# Monochromacy



## Original Color

158.2700, -19.3601, 49.7522

## Achromatopsia

158.0000, 0.0000, 0.0000

## Achromatomaly

157.9870, -6.8956, 18.4284

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 158.2700, -19.3601, 49.7522 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(215, 137, 119)` looks like.

```
.text, #text, p{  
    color:rgb(215, 137, 119)  
}
```

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(215, 137, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 137, 119) }
```

## Border

The CSS property to change the border of an element to YUV 158.2700, -19.3601, 49.7522 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(215, 137, 119) }
```



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

```
.border{ border-color:rgb(215, 137, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 137, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 137, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 137, 119);  
box-shadow:4px 4px 4px 4px rgb(215, 137,  
119) }
```

# Background

The CSS property to change the background color of an element to YUV 158.2700, -19.3601, 49.7522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 137, 119) }
```

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

```
.background{ background-color: rgb(215,  
137, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor