

# Converting Colors

YUV(62.8840, 19.7772, 50.0907)

Have a look what the booklet for  
YUV(62.8840, 19.7772, 50.0907)  
contains.

|  |    |
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# Color

**YUV(62.8840, 19.7772,  
50.0907)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 781A67                    |
| RGB           | 120, 26, 103              |
| RGB Percent   | 47%, 10%, 40%             |
| CMY           | 0.5294, 0.8980, 0.5961    |
| CMYK          | 0.00, 0.78, 0.14, 0.53    |
| HSL           | 311°, 64%, 29%            |
| HSV           | 311°, 78%, 47%            |
| XYZ           | 10.5633, 5.7111, 13.3776  |
| YIQ           | 62.8840, 31.3070, 43.8750 |

# Conversions

## Conversions Part 2

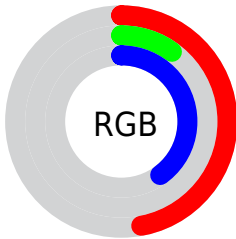
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 120, 26, 103                  |
| Decimal                             | 7871079                       |
| CIE <sub>Lab</sub>                  | 28.67, 47.84, -22.41          |
| CIE <sub>LCh</sub>                  | 29, 52.831, 334.905           |
| Yxy                                 | 5.7111, 0.3562,<br>0.1926     |
| Android<br>(android.graphics.Color) | 4286061159<br>(0xFF781A67)    |
| YUV                                 | 62.8840, 19.7772,<br>50.0907  |
| Hunter-Lab                          | 23.8980, 37.0785,<br>-16.4607 |

# Details

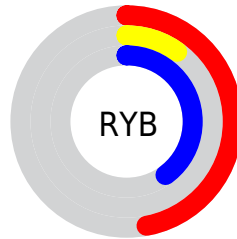
The YUV color **62.8840, 19.7772, 50.0907** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **83.1160, -19.7772, -50.0907**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.4280, 18.0300, 50.4906**, and **26.4170, 14.5844, 35.5913** is the 20% darker color. If you saturate the color by 10%, you get **55.6120, 22.3763, 56.4683**, and if you desaturate by 10%, it is **70.1560, 17.1781, 43.7132**.

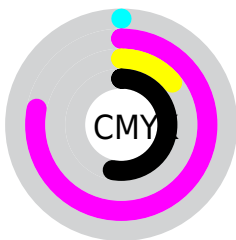
# Distribution



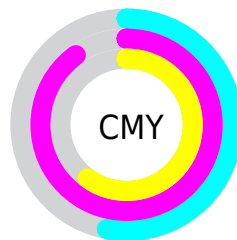
- Red (47%)
- Green (10%)
- Blue (40%)



- Red (47%)
- Yellow (10%)
- Blue (40%)



- Cyan (0%)
- Magenta (78%)
- Yellow (14%)
- Black (53%)



- Cyan (53%)
- Magenta (90%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 62.8840, 19.7772, 50.0907 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 62.8840, 19.7772, 50.0907 by changing the saturation by 10% instead.



62.8840, 19.7772,  
50.0907

62.8840, 19.7772,  
50.0907

255.0000, 0.0000,  
0.0000

36.8130, 20.7982,  
49.2760

117.4280, 18.0300,  
50.4906

26.4170, 14.5844,  
35.5913

144.4390, 18.0246,  
52.2350

17.3310, 8.2178,  
24.2657

172.1510, 18.1666,  
53.3646

0.7980, 3.0576,  
-0.6998

197.7700, 19.3404,  
50.1907

0.0000, 0.0000,  
0.0000

216.2580, 19.0998,  
33.9767

233.2810, 10.7075,

19.0476

250.3040, 2.3151,  
4.1184

62.8840, 19.7772,  
50.0907

62.8840, 19.7772,  
50.0907

55.6120, 22.3763,  
56.4683

70.1560, 17.1781,  
43.7132

48.3400, 24.9754,  
62.8458

77.4280, 14.5790,  
37.3356

47.0520, 25.1174,  
63.9754

84.8140, 12.4167,  
30.8581

92.0860, 9.8176,  
24.4806

99.3580, 7.2185,  
18.1030

■ 106.6300, 4.6194,  
11.7255

■ 113.9020, 2.0203,  
5.3479

■ 121.1740, -0.5788,  
-1.0296

■ 128.5600, -2.7411,  
-7.5071

# Harmonies

## Analogous

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



68.3280, 32.8693, 4.0973



62.8840, 19.7772, 50.0907



49.3190, 6.7447, 76.8962

# Triad

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



62.8840, 19.7772, 50.0907



63.2380, -31.1763, 12.9463



62.3040, 25.4861, -54.6406

# Complementary

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



62.8840, 19.7772, 50.0907



83.1160, -19.7772, -50.0907

# 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.



58.2170, 7.2880, -51.0563



62.8840, 19.7772, 50.0907



55.6530, -27.4369, -19.8667

# Square

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



62.8840, 19.7772, 50.0907



63.4140, -31.2631, 40.8559



52.1410, -10.9155, -45.7277



63.7350, 38.5846, -55.8956



# Rectangle

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



62.8840, 19.7772, 50.0907



54.4480, -9.0949, 70.6441



52.1410, -10.9155, -45.7277



61.4090, 19.5184, -53.8557

# Sweetspot

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



62.8840, 19.7772, 50.0907



132.8960, 7.9393, 20.2622



41.5000, 38.7005, 0.4385



65.0430, 4.9088, 12.2403



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



62.8840, 19.7772, 50.0907



66.6330, 30.7469, 78.3749



57.6400, -0.3155, 54.6897



57.3640, 1.2995, 3.1888



49.0030, 26.1275, 66.6494



98.9460, 53.2706, 134.2284



# Inverse Universe

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



62.8840, 19.7772, 50.0907



66.6330, 30.7469, 78.3749



88.3600, 0.3155, -54.6897



57.3640, 1.2995, 3.1888



49.0030, 26.1275, 66.6494

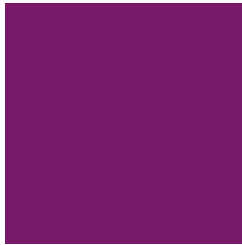


98.9460, 53.2706, 134.2284



# Previews

## White Background



This preview shows how the YUV color 62.8840, 19.7772, 50.0907 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 ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

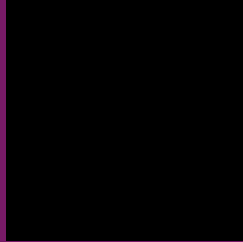
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 62.8840, 19.7772, 50.0907

## Background



This preview shows how black text looks on a background with the YUV color 62.8840, 19.7772, 50.0907.



This preview shows how white text looks on a background with the YUV color 62.8840, 19.7772,



# 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

62.8840, 19.7772, 50.0907

### Protanopia

61.9380, 37.4986, -34.1486

### Deuteranopia

68.6150, 13.9938, -8.4324



## Tritanopia

66.9730, -8.8607, 42.1197

# Trichromacy



## Original Color

62.8840, 19.7772, 50.0907

## Protanomaly

62.1160, 31.0018, -3.6097

## Deuteranomaly

66.6160, 15.9653, 12.6148

## Tritanomaly

65.7420, 1.6062, 44.9533

# Monochromacy



## Original Color

62.8840, 19.7772, 50.0907

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

63.3580, 7.2185, 18.1030

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 62.8840, 19.7772, 50.0907 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, 26, 103)` looks like.

```
.text, #text, p{  
  color:rgb(120, 26, 103)  
}
```

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, 26, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 26, 103) }
```

## Border

The CSS property to change the border of an element to YUV 62.8840, 19.7772, 50.0907 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, 26, 103) }
```



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

```
.border{ border-color:rgb(120, 26, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 26, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 26, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 26, 103);  
box-shadow:4px 4px 4px 4px rgb(120, 26,  
103) }
```

# Background

The CSS property to change the background color of an element to YUV 62.8840, 19.7772, 50.0907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 26, 103) }
```

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

```
.background{ background-color: rgb(120, 26,  
103) }
```

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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