

# Converting Colors

YUV(64.7880, 4.5415, -56.8191)

Have a look what the booklet for  
YUV(64.7880, 4.5415, -56.8191)  
contains.

<b>YUV(64.7880, 4.5415, -56.8191)</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> .....	30

# Color

**YUV(64.7880, 4.5415,  
-56.8191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00604A
RGB	0, 96, 74
RGB Percent	0%, 38%, 29%
CMY	1.0000, 0.6235, 0.7098
CMYK	1.00, 0.00, 0.23, 0.62
HSL	166°, 100%, 19%
HSV	166°, 100%, 38%
XYZ	5.4189, 8.8602, 7.9031
YIQ	64.7880, -50.1540, -27.1940

# Conversions

## Conversions Part 2

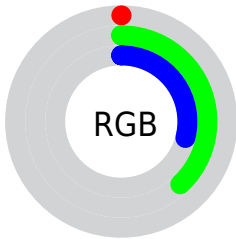
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 54, 96
Decimal	24650
CIELab	35.71, -30.46, 5.73
CIElCh	36, 30.999, 169.341
Yxy	8.8602, 0.2443, 0.3994
Android (android.graphics.Color)	4278214730 (0xFF00604A)
YUV	64.7880, 4.5415, -56.8191
Hunter-Lab	29.7660, -19.5946, 5.0942

# Details

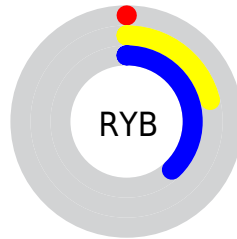
The YUV color **64.7880, 4.5415, -56.8191** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **31.2120, -4.5415, 56.8191**, and the grayscale version is **65.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.6430, 1.1620, -46.1679**, and **32.1830, -1.0762, -28.2245** is the 20% darker color. If you saturate the color by 10%, you get **64.7880, 4.5415, -56.8191**, and if you desaturate by 10%, it is **68.0060, 3.9410, -50.8713**.

# Distribution



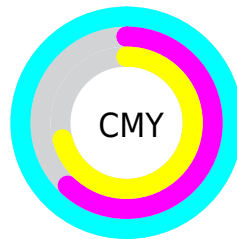
- Red (0%)
- Green (38%)
- Blue (29%)



- Red (0%)
- Yellow (21%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (62%)



- Cyan (100%)
- Magenta (62%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 64.7880, 4.5415, -56.8191 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 64.7880, 4.5415, -56.8191 by changing the saturation by 10% instead.



64.7880, 4.5415,  
-56.8191

64.7880, 4.5415,  
-56.8191

255.0000, 0.0000,  
0.0000

48.0780, 1.4405,  
-42.1644

120.6430, 1.1620,  
-46.1679

32.1830, -1.0762,  
-28.2245

147.7140, 0.1410,  
-45.3532

17.7070, -5.7716,  
-15.5290

175.3010, -0.1484,  
-45.8680

0.0000, 0.0000,  
0.0000

202.8880, -0.4378,  
-46.3828

229.2410, 0.8672,  
-44.9384

240.6480, 7.0755,

-29.5093

■ 249.3190, 2.8007,  
-11.6808

■ 64.7880, 4.5415,  
-56.8191

■ 68.0060, 3.9410,  
-50.8713

■ 70.9250, 3.4880,  
-45.5382

■ 74.2570, 3.3243,  
-39.6904

■ 77.1760, 2.8712,  
-34.3574

■ 80.3940, 2.2708,  
-28.4095

■ 83.6120, 1.6703,  
-22.4617

■ 86.5310, 1.2172,  
-17.1287

■ 89.8630, 1.0535,  
-11.2809

■ 92.7820, 0.6005,  
-5.9478

# Harmonies

## Analogous

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



76.4370, -13.0334, -19.6772



64.7880, 4.5415, -56.8191



67.7520, 15.8983, -59.4185

# Triad

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



64.7880, 4.5415, -56.8191



83.7100, 23.3140, -11.1467



83.2250, -17.8589, 34.8827

# Complementary

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



64.7880, 4.5415, -56.8191



31.2120, -4.5415, 56.8191

# 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.



84.6030, -7.6923, 40.6902



64.7880, 4.5415, -56.8191



86.7090, 14.9335, 16.9182

# Square

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



64.7880, 4.5415, -56.8191



67.2910, 31.9015, -59.0142



85.6590, 4.1121, 34.5021



82.5300, -23.9253, 20.5832



# Rectangle

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



64.7880, 4.5415, -56.8191



68.8750, 22.7396, -60.4034



85.6590, 4.1121, 34.5021



84.0450, -14.8122, 37.6715

# Sweetspot

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



64.7880, 4.5415, -56.8191



112.6120, 1.6703, -22.4617



62.9300, -31.0245, -35.8956



56.4390, 0.7696, -13.5400



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



64.7880, 4.5415, -56.8191



84.3190, 5.7587, -73.9478



52.0340, 21.6752, -45.6338



46.6900, 0.1528, -2.3591



75.5480, 5.1528, -66.2556



161.9700, 11.3538, -142.0477



# Inverse Universe

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



31.2120, -4.5415, 56.8191



40.6810, -5.7587, 73.9478



43.9660, -21.6752, 45.6338



45.3100, -0.1528, 2.3591



36.4520, -5.1528, 66.2556



78.0300, -11.3538, 142.0477



# Previews

## White Background



This preview shows how the YUV color 64.7880, 4.5415, -56.8191 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



This preview shows how the YUV color 64.7880, 4.5415, -56.8191 looks on a 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 64.7880, 4.5415, -56.8191

## Background



This preview shows how black text looks on a background with the YUV color 64.7880, 4.5415, -56.8191.



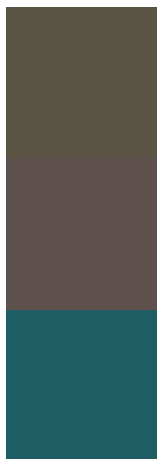
This preview shows how white text looks on a background with the YUV color 64.7880, 4.5415, -56.8191.



# 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



### Protanopia

83.6710, -7.7258, 4.6735

### Deuteranopia

84.7300, -3.8109, 9.0068

### Tritanopia

74.9610, 12.3442, -39.4308

# Trichromacy



## Protanomaly

76.6790, -3.2927, -17.2585

## Deuteranomaly

77.0860, -0.5354, -14.9844

## Tritanomaly

71.2330, 9.7451, -45.8083

# Monochromacy



## Achromatopsia

65.0000, 0.0000, 0.0000

## Achromatomaly

64.6230, 1.6649, -20.7174

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 64.7880, 4.5415, -56.8191 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(0, 96, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 74)  
}
```

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(0, 96, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 74) }
```

## Border

The CSS property to change the border of an element to YUV 64.7880, 4.5415, -56.8191 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(0, 96, 74) }
```

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

```
.border{ border-color:rgb(0, 96, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 96, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 96, 74); box-shadow:4px  
4px 4px 4px rgb(0, 96, 74) }
```



# Background

The CSS property to change the background color of an element to YUV 64.7880, 4.5415, -56.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 74) }
```

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

```
.background{ background-color: rgb(0, 96,  
74) }
```

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