

# Converting Colors

YUV(81.5420, -12.0992, 7.4177)

Have a look what the booklet for  
YUV(81.5420, -12.0992, 7.4177)  
contains.

<b>YUV(81.5420, -12.0992, 7.4177)</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(81.5420, -12.0992,  
7.4177)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5A5239
RGB	90, 82, 57
RGB Percent	35%, 32%, 22%
CMY	0.6471, 0.6784, 0.7765
CMYK	0.00, 0.09, 0.37, 0.65
HSL	45°, 22%, 29%
HSV	45°, 37%, 35%
XYZ	7.9723, 8.5037, 5.0921
YIQ	81.5420, 12.7930, -6.0790

# Conversions

## Conversions Part 2

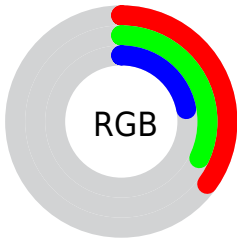
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 90, 57
Decimal	5919289
CIELab	35.01, -1.00, 15.89
CIElCh	35, 15.924, 93.615
Yxy	8.5037, 0.3696, 0.3943
Android (android.graphics.Color)	4284109369 (0xFF5A5239)
YUV	81.5420, -12.0992, 7.4177
Hunter-Lab	29.1610, -2.2321, 10.0595

# Details

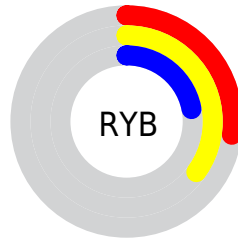
The YUV color **81.5420, -12.0992, 7.4177** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **65.4580, 12.0992, -7.4177**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **130.9120, -13.2676, 8.8472**, and **36.4710, -11.0782, 6.6029** is the 20% darker color. If you saturate the color by 10%, you get **79.3420, -15.4516, 9.3471**, and if you desaturate by 10%, it is **83.7420, -8.7468, 5.4883**.

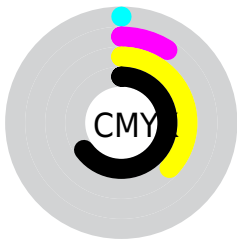
# Distribution



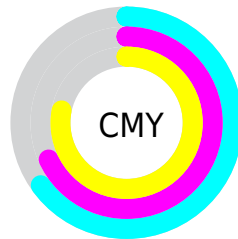
- Red (35%)
- Green (32%)
- Blue (22%)



- Red (27%)
- Yellow (35%)
- Blue (22%)



- Cyan (0%)
- Magenta (9%)
- Yellow (37%)
- Black (65%)



- Cyan (65%)
- Magenta (68%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.5420, -12.0992, 7.4177 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 81.5420, -12.0992, 7.4177 by changing the saturation by 10% instead.



■ 81.5420, -12.0992,  
7.4177

■ 81.5420, -12.0992,  
7.4177

■ 255.0000, 0.0000,  
0.0000

■ 58.3570, -11.5150,  
6.7029

■ 130.9120,  
-13.2676, 8.8472

■ 36.4710, -11.0782,  
6.6029

■ 156.7980,  
-13.7044, 8.9472

■ 16.5570, -8.1626,  
4.7735

■ 184.0970,  
-13.8518, 9.5619

■ 0.0000, 0.0000,  
0.0000

■ 211.8690,  
-14.7254, 9.7619

■ 239.8690,  
-14.7254, 9.7619

■ 253.0620, -7.4256,

1.6996

■ 81.5420, -12.0992,  
7.4177

■ 81.5420, -12.0992,  
7.4177

■ 79.3420, -15.4516,  
9.3471

■ 83.7420, -8.7468,  
5.4883

■ 77.1420, -18.8040,  
11.2765

■ 85.9420, -5.3944,  
3.5589

■ 74.3550, -21.8670,  
13.7207

■ 88.7290, -2.3314,  
1.1147

■ 72.1550, -25.2194,  
15.6501

■ 90.9290, 1.0210,  
-0.8147

■ 69.9550, -28.5718,  
17.5795

■ 93.1290, 4.3734,  
-2.7441

■ 67.7550, -31.9242,  
19.5089

■ 95.3290, 7.7258,  
-4.6735

■ 66.8260, -32.9452,  
20.3236

■ 97.5290, 11.0782,  
-6.6029

■ 99.7290, 14.4306,  
-8.5323

■ 102.5160, 17.4936,  
-10.9765

# Harmonies

## Analogous

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



82.8250, -11.2527, 15.9395



81.5420, -12.0992, 7.4177



80.1600, -9.4459, -3.6483

# Triad

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



81.5420, -12.0992, 7.4177



76.3430, 9.6909, -28.3648



84.6410, 4.6140, 13.4698

# Complementary

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



81.5420, -12.0992, 7.4177



65.4580, 12.0992, -7.4177

# 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.



83.8290, 9.4513, 1.9040



81.5420, -12.0992, 7.4177



78.5870, 13.0216, -23.3168

# Square

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



81.5420, -12.0992, 7.4177



76.3560, 3.2755, -23.9912



81.5500, 12.5468, -11.0064



84.0780, -1.5175, 20.1026



# Rectangle

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



81.5420, -12.0992, 7.4177



79.0280, -5.9298, -11.4256



81.5500, 12.5468, -11.0064



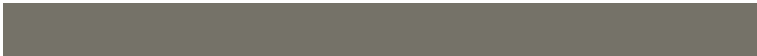
84.4880, 6.6614, 10.0960

# Sweetspot

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



81.5420, -12.0992, 7.4177



113.7570, -4.8102, 2.8441



67.7790, -1.3700, 19.4878



56.9140, -2.9156, 1.8294



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



81.5420, -12.0992, 7.4177



104.1420, -18.8040, 11.2765



83.8460, -13.2351, -1.6189



44.8430, -1.8946, 1.0147



81.6110, -40.2342, 24.8972



176.5230, -87.0258, 53.0383



# Inverse Universe

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



65.4580, 12.0992, -7.4177



78.8580, 18.8040, -11.2765



63.1540, 13.2351, 1.6189



42.1570, 1.8946, -1.0147



28.3890, 40.2342, -24.8972



60.4770, 87.0258, -53.0383



# Previews

## White Background



This preview shows how the YUV color 81.5420, -12.0992, 7.4177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

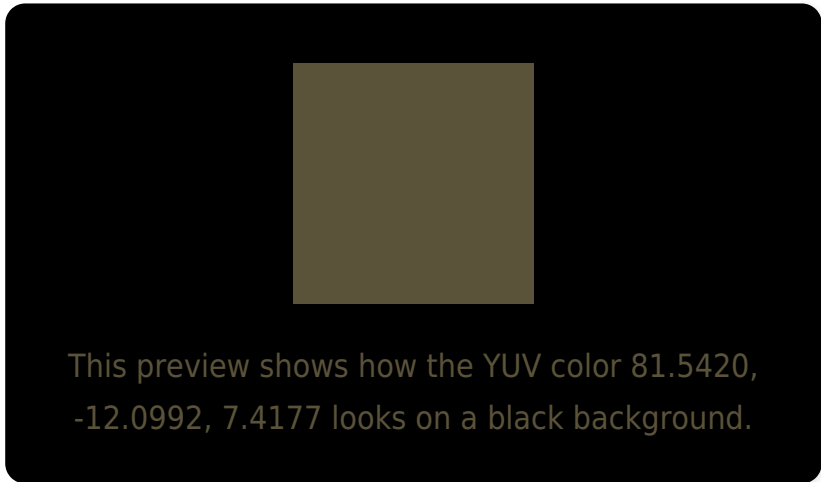
Any Text WCAG AA ✓ Pass

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 81.5420, -12.0992, 7.4177

## Background



This preview shows how black text looks on a background with the YUV color 81.5420, -12.0992, 7.4177.



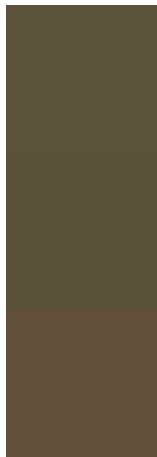
This preview shows how white text looks on a background with the YUV color 81.5420, -12.0992,



# 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

81.5420, -12.0992, 7.4177

### Protanopia

81.2430, -11.9518, 6.8029

### Deuteranopia

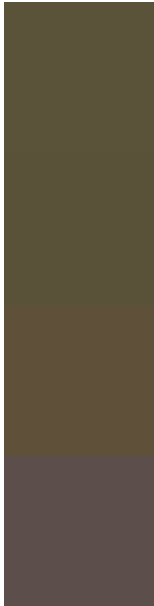
82.2870, -11.9735, 13.7803



## Tritanopia

83.2830, 0.8465, 8.5218

# Trichromacy



## Original Color

81.5420, -12.0992, 7.4177

## Protanomaly

81.2430, -11.9518, 6.8029

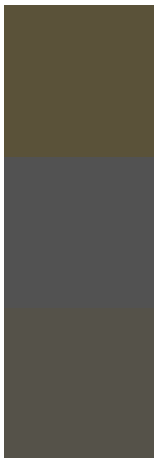
## Deuteranomaly

81.9770, -11.8207, 11.4212

## Tritanomaly

82.4310, -3.6635, 8.3920

# Monochromacy



## Original Color

81.5420, -12.0992, 7.4177

## Achromatopsia

82.0000, 0.0000, 0.0000

## Achromatomaly

81.8710, -4.3734, 2.7441

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.5420, -12.0992, 7.4177 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(90, 82, 57)` looks like.

```
.text, #text, p{  
    color:rgb(90, 82, 57)  
}
```

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(90, 82, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 82, 57) }
```

## Border

The CSS property to change the border of an element to YUV 81.5420, -12.0992, 7.4177 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(90, 82, 57) }
```



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

```
.border{ border-color:rgb(90, 82, 57) }
```

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

Here you see how a box with a 4 pixel rgb(90, 82, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 82, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 82, 57);  
box-shadow:4px 4px 4px 4px rgb(90, 82, 57)  
}
```

# Background

The CSS property to change the background color of an element to YUV 81.5420, -12.0992, 7.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 82, 57) }
```

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

```
.background{ background-color: rgb(90, 82,  
57) }
```

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