

# Converting Colors

YUV(66.5860, -12.1209,  
14.3951)

Have a look what the booklet for  
YUV(66.5860, -12.1209, 14.3951)  
contains.

<b>YUV(66.5860, -12.1209, 14.3951)</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(66.5860, -12.1209,  
14.3951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	533F2A
RGB	83, 63, 42
RGB Percent	33%, 25%, 16%
CMY	0.6745, 0.7529, 0.8353
CMYK	0.00, 0.24, 0.49, 0.67
HSL	31°, 33%, 25%
HSV	31°, 49%, 33%
XYZ	5.7627, 5.5612, 2.9602
YIQ	66.5860, 18.6610, -2.2910

# Conversions

## Conversions Part 2

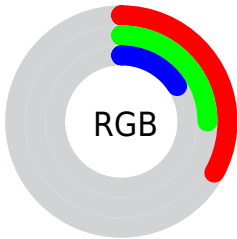
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	81, 83, 42
Decimal	5455658
CIE Lab	28.28, 5.58, 16.20
CIE LCh	28, 17.135, 71.009
Yxy	5.5612, 0.4034, 0.3893
Android (android.graphics.Color)	4283645738 (0xFF533F2A)
YUV	66.5860, -12.1209, 14.3951
Hunter-Lab	23.5822, 2.3508, 9.0651

# Details

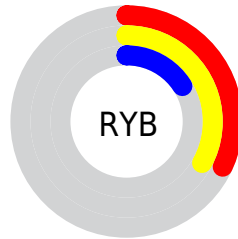
The YUV color **66.5860, -12.1209, 14.3951** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **58.4140, 12.1209, -14.3951**, and the grayscale version is **67.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.2550, -13.4367, 16.4394**, and **23.3900, -11.5313, 11.9360** is the 20% darker color. If you saturate the color by 10%, you get **63.3260, -14.4577, 17.2541**, and if you desaturate by 10%, it is **69.8460, -9.7841, 11.5361**.

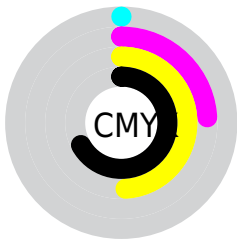
# Distribution



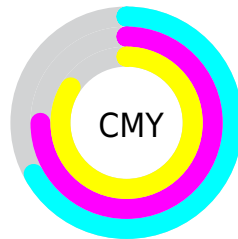
- Red (33%)
- Green (25%)
- Blue (16%)



- Red (32%)
- Yellow (33%)
- Blue (16%)



- Cyan (0%)
- Magenta (24%)
- Yellow (49%)
- Black (67%)



- Cyan (67%)
- Magenta (75%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 66.5860, -12.1209, 14.3951 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 66.5860, -12.1209, 14.3951 by changing the saturation by 10% instead.



■ 66.5860, -12.1209,  
14.3951

■ 66.5860, -12.1209,  
14.3951

■ 255.0000, 0.0000,  
0.0000

■ 44.1020, -11.3893,  
13.0655

■ 115.2550,  
-13.4367, 16.4394

■ 23.3900, -11.5313,  
11.9360

■ 140.4400,  
-14.0209, 17.1541

■ 0.0000, 0.0000,  
0.0000

■ 167.0380,  
-14.3157, 18.3837

■ 194.2230,  
-14.8999, 19.0984

■ 222.1090,  
-15.3367, 19.1984

■ 245.0260,

-12.8308, 8.7472

254.0880, -3.4944,  
0.7998

66.5860, -12.1209,  
14.3951

66.5860, -12.1209,  
14.3951

63.3260, -14.4577,  
17.2541

69.8460, -9.7841,  
11.5361

59.9520, -17.2313,  
20.2131

73.2200, -7.0105,  
8.5771

56.6920, -19.5682,  
23.0721

76.4800, -4.6736,  
5.7180

53.4320, -21.9050,  
25.9311

79.7400, -2.3368,  
2.8590

50.0580, -24.6786,  
28.8901

83.1140, 0.4368,  
-0.1000

■ 86.3740, 2.7736,  
-2.9590

■ 89.6340, 5.1104,  
-5.8180

■ 92.8940, 7.4473,  
-8.6770

■ 96.2680, 10.2209,  
-11.6360

# Harmonies

## Analogous

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



67.5420, -8.6482, 20.5727



66.5860, -12.1209, 14.3951



65.2320, -11.9464, 5.0585

# Triad

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



66.5860, -12.1209, 14.3951



59.3060, 5.7651, -29.2094



68.7370, 9.0037, 5.4927

# Complementary

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



66.5860, -12.1209, 14.3951



58.4140, 12.1209, -14.3951

# 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.



65.9740, 12.8308, -8.7472



66.5860, -12.1209, 14.3951



58.7060, 12.4699, -33.0682

# Square

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



66.5860, -12.1209, 14.3951



61.7220, -1.8349, -18.1732



62.2280, 14.1846, -23.0020



68.7230, 3.5876, 16.0289



# Rectangle

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



66.5860, -12.1209, 14.3951



64.3450, -10.0301, -2.9336



62.2280, 14.1846, -23.0020



67.7580, 10.4723, 1.0892

# Sweetspot

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



66.5860, -12.1209, 14.3951



100.4800, -4.6736, 5.7180



56.6530, 3.1291, 23.1063



49.9250, -2.9210, 3.5738



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



66.5860, -12.1209, 14.3951



81.6210, -18.5472, 22.2574



78.3260, -17.9087, 4.0991



39.3700, -1.1684, 1.4295



63.0930, -31.1048, 36.7524



139.2210, -68.6360, 81.3672



# Inverse Universe

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



58.4140, 12.1209, -14.3951



69.3790, 18.5472, -22.2574



46.6740, 17.9087, -4.0991



38.6300, 1.1684, -1.4295



41.9070, 31.1048, -36.7524

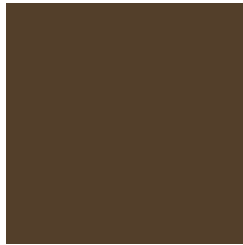


92.7790, 68.6360, -81.3672



# Previews

## White Background



This preview shows how the YUV color 66.5860, -12.1209, 14.3951 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 66.5860, -12.1209, 14.3951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

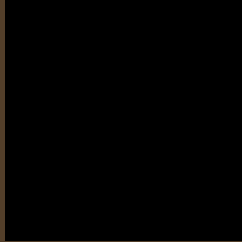
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 66.5860, -12.1209, 14.3951

## Background



This preview shows how black text looks on a background with the YUV color 66.5860, -12.1209, 14.3951.



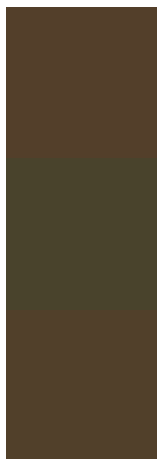
This preview shows how white text looks on a background with the YUV color 66.5860, -12.1209,



# 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

66.5860, -12.1209, 14.3951

### Protanopia

66.1720, -10.9308, 5.9882

### Deuteranopia

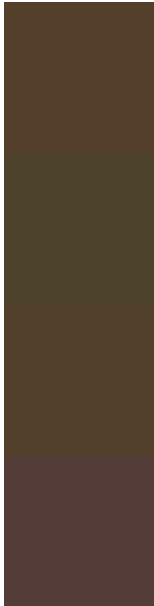
66.5750, -12.1155, 12.6507



## Tritanopia

68.0450, -1.5012, 14.8695

# Trichromacy



## Original Color

66.5860, -12.1209, 14.3951

## Protanomaly

66.6670, -11.6678, 9.0620

## Deuteranomaly

66.8740, -12.2629, 13.2655

## Tritanomaly

67.4210, -5.1376, 14.5398

# Monochromacy



## Original Color

66.5860, -12.1209, 14.3951

## Achromatopsia

67.0000, 0.0000, 0.0000

## Achromatomaly

67.1810, -4.5262, 5.1033

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 66.5860, -12.1209, 14.3951 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(83, 63, 42)` looks like.

```
.text, #text, p{  
    color:rgb(83, 63, 42)  
}
```

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(83, 63, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 63, 42) }
```

## Border

The CSS property to change the border of an element to YUV 66.5860, -12.1209, 14.3951 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(83, 63, 42) }
```



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

```
.border{ border-color:rgb(83, 63, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 63, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 63, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 63, 42);  
box-shadow:4px 4px 4px 4px rgb(83, 63, 42)  
}
```

# Background

The CSS property to change the background color of an element to YUV 66.5860, -12.1209, 14.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 63, 42) }
```

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

```
.background{ background-color: rgb(83, 63,  
42) }
```

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