

# Converting Colors

YUV(233.1680, -51.8478,  
16.5157)

Have a look what the booklet for  
YUV(233.1680, -51.8478, 16.5157)  
contains.

<b>YUV(233.1680, -51.8478, 16.5157)</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(233.1680, -51.8478,  
16.5157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF480
RGB	252, 244, 128
RGB Percent	99%, 96%, 50%
CMY	0.0118, 0.0431, 0.4980
CMYK	0.00, 0.03, 0.49, 0.01
HSL	56°, 95%, 75%
HSV	56°, 49%, 99%
XYZ	76.3918, 86.9553, 33.1799
YIQ	233.1680, 42.0040, -34.3800

# Conversions

## Conversions Part 2

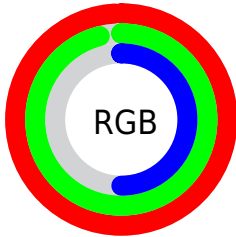
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 252, 128
Decimal	16577664
CIELab	94.72, -12.36, 56.31
CIELCh	95, 57.649, 102.380
Yxy	86.9553, 0.3887, 0.4425
Android (android.graphics.Color)	4294767744 (0xFFFCF480)
YUV	233.1680, -51.8478, 16.5157
Hunter-Lab	93.2498, -16.9570, 44.1785

# Details

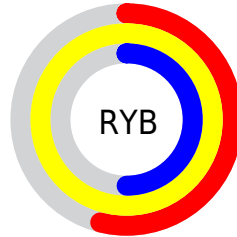
The YUV color  $233.1680, -51.8478, 16.5157$  is a light color, and the websafe version is hex  $FFFF99$ . A complement of this color would be  $146.8320, 51.8478, -16.5157$ , and the grayscale version is  $234.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $246.7920, -31.4495, 7.1984$ , and  $176.6130, -50.0952, 14.3714$  is the 20% darker color. If you saturate the color by 10%, you get  $229.1440, -62.1890, 20.0447$ , and if you desaturate by 10%, it is  $237.1920, -41.5067, 12.9866$ .

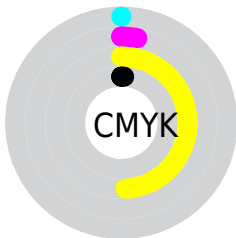
# Distribution



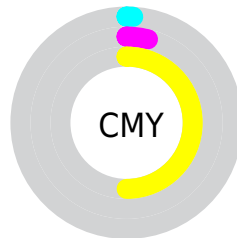
- Red (99%)
- Green (96%)
- Blue (50%)



- Red (54%)
- Yellow (99%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (49%)
- Black (1%)



- Cyan (1%)
- Magenta (4%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 233.1680, -51.8478, 16.5157 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 233.1680, -51.8478, 16.5157 by changing the saturation by 10% instead.



233.1680,  
-51.8478, 16.5157

233.1680,  
-51.8478, 16.5157

255.0000, 0.0000,  
0.0000

204.6840,  
-51.1162, 15.1861

246.7920,  
-31.4495, 7.1984

176.6130,  
-50.0952, 14.3714

250.0980,  
-18.7823, 4.2991

149.3140,  
-49.9478, 13.7566

253.2900, -6.5520,  
1.4997

122.0320,  
-52.2738, 13.1269

97.1610, -47.9004,  
10.3828

75.2990, -37.1224,  
6.7538

54.0240, -26.6338,

2.6100

■ 33.6350, -16.5821,  
-1.4339

■ 12.9140, -6.3666,  
-11.3256

■ 233.1680,  
-51.8478, 16.5157

■ 233.1680,  
-51.8478, 16.5157

■ 229.1440,  
-62.1890, 20.0447

■ 237.1920,  
-41.5067, 12.9866

■ 225.7070,  
-72.8196, 23.0590

■ 240.6290,  
-30.8761, 9.9724

■ 221.5690,  
-83.5975, 26.6880

■ 244.7670,  
-20.0981, 6.3433

■ 217.5450,  
-93.9387, 30.2170

■ 248.7910, -9.7570,  
2.8143

■ 214.1080,  
-104.5692, 33.2313

■ 252.2280, 0.8736,  
-0.2000

■ 213.8800,  
-105.4428, 33.4312

■ 253.5160, 0.7316,  
-1.3295

■ 254.1030, 0.4422,  
-1.8443

# Harmonies

## Analogous

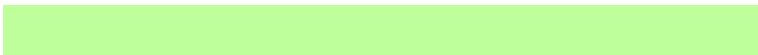
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



223.4820, -44.6076, 27.6413



233.1680, -51.8478, 16.5157



224.1650, -34.0983, -29.9627

# Triad

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



233.1680, -51.8478, 16.5157



178.7550, 37.5888, -156.7681



222.1280, 16.2059, 28.8287

# Complementary

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



233.1680, -51.8478, 16.5157



146.8320, 51.8478, -16.5157

# 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.



232.1070, 11.2862, 20.0772



233.1680, -51.8478, 16.5157



197.5920, 28.3021, -118.0372

# Square

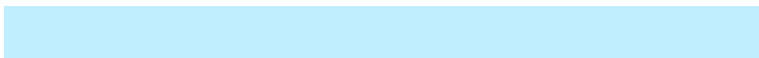
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



233.1680, -51.8478, 16.5157



178.7550, 37.5888, -156.7681



226.1840, 14.2063, -29.9794



215.6760, 1.6387, 34.4871

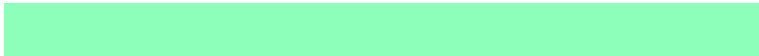


# Rectangle

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



233.1680, -51.8478, 16.5157



213.3470, -13.4821, -62.5713



226.1840, 14.2063, -29.9794



225.0630, 14.7589, 26.2547

# Sweetspot

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



233.1680, -51.8478, 16.5157



249.4940, -16.0195, 4.8288



165.9880, -14.7841, 75.4325



124.2040, -9.4676, 3.3291



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

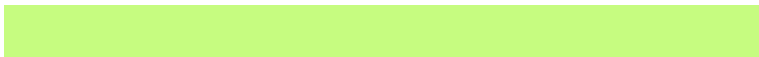
The Same Dimension uses a secret algorithm to generate beautiful new colors.



233.1680, -51.8478, 16.5157



232.0300, -62.6258, 20.1447



221.7180, -46.2030, -20.8007



122.9310, -5.3890, 1.8145



160.4100, -79.0821, 25.0734



51.6980, -25.4871, 8.1579



# Inverse Universe

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



146.8320, 51.8478, -16.5157



127.3830, 62.9152, -19.6299



158.2820, 46.2030, 20.8007



114.0690, 5.3890, -1.8145



28.5900, 79.0821, -25.0734

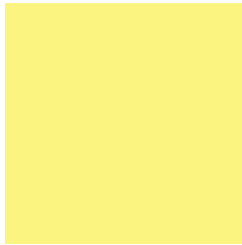


9.3020, 25.4871, -8.1579



# Previews

## White Background



This preview shows how the YUV color 233.1680, -51.8478, 16.5157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

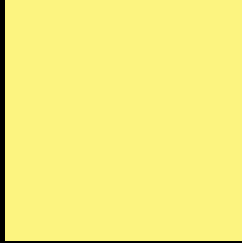
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 233.1680, -51.8478, 16.5157 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 233.1680, -51.8478, 16.5157

## Background



This preview shows how black text looks on a background with the YUV color 233.1680, -51.8478, 16.5157.



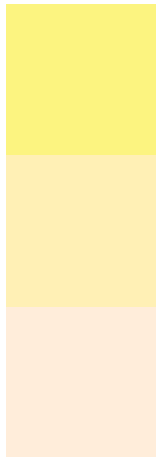
This preview shows how white text looks on a background with the YUV color 233.1680, -51.8478, 16.5157.



# 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

233.1680, -51.8478, 16.5157

### Protanopia

237.7590, -27.9822, 15.1204

### Deuteranopia

240.2160, -10.9525, 12.9656



## Tritanopia

241.5330, 1.7092, 11.8106

# Trichromacy



## Original Color

233.1680, -51.8478, 16.5157



## Protanomaly

235.8810, -36.4233, 15.8904



## Deuteranomaly

237.9160, -26.0876, 14.1057



## Tritanomaly

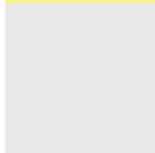
238.6800, -18.0832, 13.4356

# Monochromacy



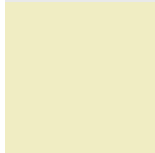
## Original Color

233.1680, -51.8478, 16.5157



## Achromatopsia

233.0000, 0.0000, 0.0000



## Achromatomaly

233.1090, -18.7877, 6.0434

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 233.1680, -51.8478, 16.5157 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(252, 244, 128)` looks like.

```
.text, #text, p{  
    color:rgb(252, 244, 128)  
}
```

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(252, 244, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 244, 128) }
```

## Border

The CSS property to change the border of an element to YUV 233.1680, -51.8478, 16.5157 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(252, 244, 128) }
```



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

```
.border{ border-color:rgb(252, 244, 128) }
```

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

Here you see how a box with a 4 pixel rgb(252, 244, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 244, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 244, 128);  
box-shadow:4px 4px 4px 4px rgb(252, 244,  
128) }
```

# Background

The CSS property to change the background color of an element to YUV 233.1680, -51.8478, 16.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 244, 128) }
```

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

```
.background{ background-color: rgb(252,  
244, 128) }
```

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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