

# Converting Colors

YUV(233.5870, -57.4774,  
2.1162)

Have a look what the booklet for  
YUV(233.5870, -57.4774, 2.1162)  
contains.

<b>YUV(233.5870, -57.4774, 2.1162)</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(233.5870, -57.4774,  
2.1162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFF75
RGB	236, 255, 117
RGB Percent	93%, 100%, 46%
CMY	0.0745, 0.0000, 0.5412
CMYK	0.07, 0.00, 0.54, 0.00
HSL	68°, 100%, 73%
HSV	68°, 54%, 100%
XYZ	73.5630, 90.6372, 30.4472
YIQ	233.5870, 32.9740, -46.9460

# Conversions

## Conversions Part 2

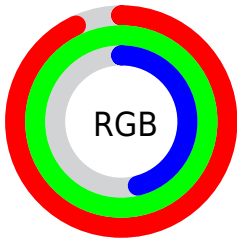
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">117, 255, 136</a>
Decimal	<a href="#">15531893</a>
CIELab	<a href="#">96.26, -24.81, 62.77</a>
CIELCh	<a href="#">96, 67.494, 111.570</a>
Yxy	<a href="#">90.6372, 0.3779, 0.4656</a>
Android (android.graphics.Color)	<a href="#">4293721973 (0xFFECCFF75)</a>
YUV	<a href="#">233.5870, -57.4774, 2.1162</a>
Hunter-Lab	<a href="#">95.2036, -28.6809, 47.6809</a>

# Details

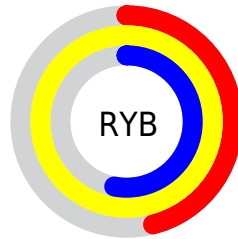
The YUV color  $233.5870, -57.4774, 2.1162$  is a light color, and the websafe version is hex  $FFFF66$ . A complement of this color would be  $138.4130, 57.4774, -2.1162$ , and the grayscale version is  $234.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $245.6520, -35.8174, 8.1982$ , and  $176.5160, -56.4564, 1.3015$  is the 20% darker color. If you saturate the color by 10%, you get  $229.4270, -68.2445, 2.2565$ , and if you desaturate by 10%, it is  $237.7470, -46.7103, 1.9759$ .

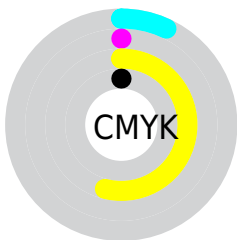
# Distribution



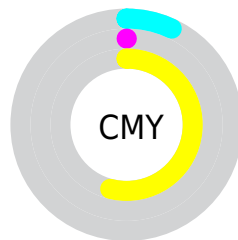
- Red (93%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (53%)



- Cyan (7%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 233.5870, -57.4774, 2.1162 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 233.5870, -57.4774, 2.1162 by changing the saturation by 10% instead.



233.5870,  
-57.4774, 2.1162

233.5870,  
-57.4774, 2.1162

255.0000, 0.0000,  
0.0000

204.8150,  
-56.6038, 1.9162

245.6520,  
-35.8174, 8.1982

176.5160,  
-56.4564, 1.3015

248.8440,  
-23.5871, 5.3988

148.4620,  
-57.9088, 0.4718

252.1500,  
-10.9200, 2.4994

121.2940,  
-59.7979, -0.2578

97.9590, -48.2938,  
-3.4720

75.5100, -37.2264,  
-6.5863

53.0500, -26.1536,

-11.4448

■ 31.7640, -15.6597,  
-17.3330

■ 17.0230, -8.3923,  
-14.9292

■ 233.5870,  
-57.4774, 2.1162

■ 233.5870,  
-57.4774, 2.1162

■ 229.4270,  
-68.2445, 2.2565

■ 237.7470,  
-46.7103, 1.9759

■ 225.6800,  
-78.7222, 2.9116

■ 241.4940,  
-36.2325, 1.3208

■ 221.5200,  
-89.4894, 3.0520

■ 245.6540,  
-25.4654, 1.1804

■ 217.7730,  
-99.9671, 3.7071

■ 249.4010,  
-14.9877, 0.5253

■ 215.4650,  
-106.2242, 3.9772

■ 253.4470, -4.6574,  
0.4850

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

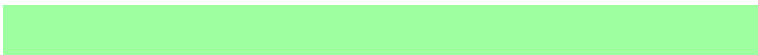
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



226.2570, -56.8217, 25.2076



233.5870, -57.4774, 2.1162



215.1670, -27.1973, -50.1355

# Triad

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



233.5870, -57.4774, 2.1162



178.7550, 37.5888, -156.7681



216.8450, 18.8104, 33.4619

# Complementary

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



233.5870, -57.4774, 2.1162



138.4130, 57.4774, -2.1162

# 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.



227.9980, 13.3120, 23.6808



233.5870, -57.4774, 2.1162



194.0040, 30.0710, -125.4145

# Square

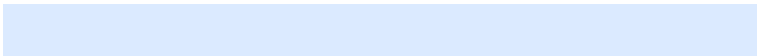
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



233.5870, -57.4774, 2.1162



178.7550, 37.5888, -156.7681



231.9090, 11.3839, -11.3212



211.1620, -5.5029, 38.4459



# Rectangle

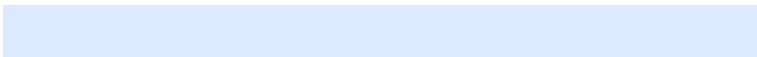
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



233.5870, -57.4774, 2.1162



197.1170, 1.9143, -100.9576



231.9090, 11.3839, -11.3212



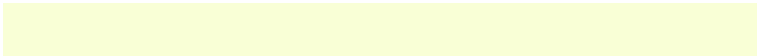
219.7800, 17.3635, 30.8879

# Sweetspot

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



233.5870, -57.4774, 2.1162



248.5320, -17.0243, 0.4104



168.8280, -25.5512, 75.5728



123.9540, -10.3303, 0.0403



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.



233.5870, -57.4774, 2.1162



229.1990, -69.1181, 2.4565



213.2550, -47.4537, -39.6886



125.9200, -5.3836, 0.0702



161.4520, -79.5958, 3.1116



54.0130, -26.6284, 0.8656



# Inverse Universe

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



138.4130, 57.4774, -2.1162



114.8010, 69.1181, -2.4565



158.7450, 47.4537, 39.6886



117.0800, 5.3836, -0.0702



29.5480, 79.5958, -3.1116

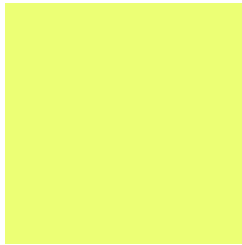


9.9870, 26.6284, -0.8656



# Previews

## White Background



This preview shows how the YUV color 233.5870, -57.4774, 2.1162 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 233.5870, -57.4774, 2.1162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

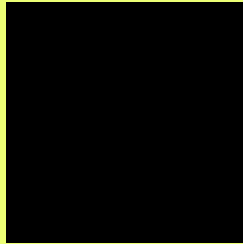
Any Text WCAG AA ✓ Pass

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 233.5870, -57.4774, 2.1162 Background



This preview shows how black text looks on a background with the YUV color 233.5870, -57.4774, 2.1162.



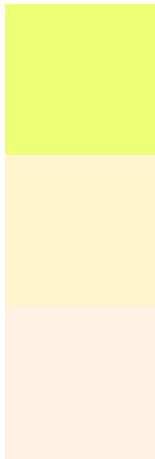
This preview shows how white text looks on a background with the YUV color 233.5870, -57.4774,



# 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

233.5870, -57.4774, 2.1162

### Protanopia

242.6150, -19.5302, 10.8616

### Deuteranopia

244.2910, -8.0315, 9.3918



## Tritanopia

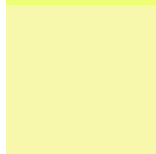
245.2870, 4.7885, 4.1333

# Trichromacy



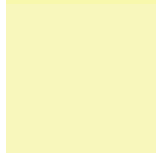
## Original Color

233.5870, -57.4774, 2.1162



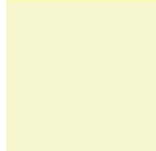
## Protanomaly

239.3360, -33.1966, 7.5983



## Deuteranomaly

240.5730, -25.9185, 6.5135



## Tritanomaly

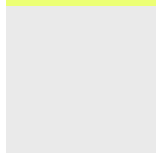
241.0270, -17.7613, 3.4843

# Monochromacy



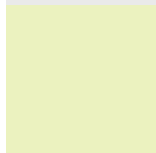
## Original Color

233.5870, -57.4774, 2.1162



## Achromatopsia

234.0000, 0.0000, 0.0000



## Achromatomaly

234.0930, -21.2448, 0.7954

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 233.5870, -57.4774, 2.1162 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(236, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 117)  
}
```

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(236, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 117) }
```

## Border

The CSS property to change the border of an element to YUV 233.5870, -57.4774, 2.1162 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(236, 255, 117) }
```



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

```
.border{ border-color:rgb(236, 255, 117) }
```

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

Here you see how a box with a 4 pixel rgb(236, 255, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
117) }
```

# Background

The CSS property to change the background color of an element to YUV 233.5870, -57.4774, 2.1162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 117) }
```

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

```
.background{ background-color: rgb(236,  
255, 117) }
```

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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