

# Converting Colors

YUV(233.9870, 6.4154, -4.3736)

Have a look what the booklet for  
YUV(233.9870, 6.4154, -4.3736)  
contains.

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# Color

**YUV(233.9870, 6.4154,  
-4.3736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EAF7
RGB	229, 234, 247
RGB Percent	90%, 92%, 97%
CMY	0.1020, 0.0824, 0.0314
CMYK	0.07, 0.05, 0.00, 0.03
HSL	223°, 53%, 93%
HSV	223°, 7%, 97%
XYZ	78.5244, 82.2191, 99.7269
YIQ	233.9870, -7.1530, 2.9830

# Conversions

## Conversions Part 2

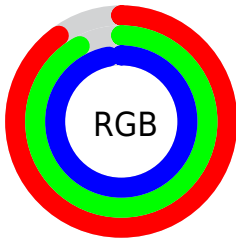
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 233, 247
Decimal	15067895
CIE Lab	92.67, 0.75, -6.86
CIE LCh	93, 6.906, 276.263
Yxy	82.2191, 0.3015, 0.3157
Android (android.graphics.Color)	4293257975 (0xFFE5EAF7)
YUV	233.9870, 6.4154, -4.3736
Hunter-Lab	90.6747, -4.0995, -1.7367

# Details

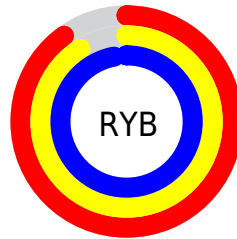
The YUV color  $233.9870, 6.4154, -4.3736$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $242.0130, -6.4154, 4.3736$ , and the grayscale version is  $234.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, 0.0000, 0.0000$ , and  $178.2860, 6.2680, -3.7588$  is the 20% darker color. If you saturate the color by 10%, you get  $215.9460, 15.3096, -10.4766$ , and if you desaturate by 10%, it is  $252.0280, -2.4788, 1.7294$ .

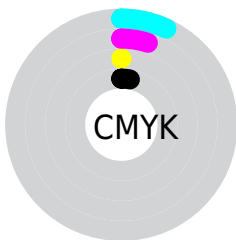
# Distribution



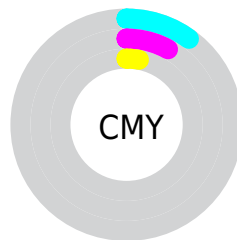
- Red (90%)
- Green (92%)
- Blue (97%)



- Red (90%)
- Yellow (91%)
- Blue (97%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (10%)
- Magenta (8%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 233.9870, 6.4154, -4.3736 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 233.9870, 6.4154, -4.3736 by changing the saturation by 10% instead.



■ 233.9870, 6.4154,  
-4.3736

■ 233.9870, 6.4154,  
-4.3736

255.0000, 0.0000,  
0.0000

■ 205.9870, 6.4154,  
-4.3736

■ 178.2860, 6.2680,  
-3.7588

■ 151.8730, 5.9786,  
-4.2736

■ 125.7590, 5.5418,  
-4.1736

■ 100.7590, 5.5418,  
-4.1736

■ 76.7590, 5.5418,  
-4.1736

■ 53.9440, 4.9576,

-3.4589

■ 32.8300, 4.5208,  
-3.3589

■ 9.5740, 6.1260,  
-4.8884

■ 233.9870, 6.4154,  
-4.3736

■ 233.9870, 6.4154,  
-4.3736

■ 215.9460, 15.3096,  
-10.4766

■ 252.0280, -2.4788,  
1.7294

■ 198.2040, 24.0564,  
-15.9649

■ 254.0880, -3.4944,  
0.7998

■ 180.1630, 32.9506,  
-22.0680

■ 162.7090, 41.5555,  
-28.6858

■ 144.9670, 50.3023,  
-34.1741

■ 126.9260, 59.1965,  
-40.2771

■ 108.8850, 68.0907,  
-46.3801

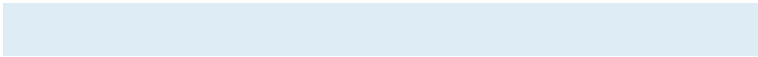
■ 90.8440, 76.9849,  
-52.4832

■ 73.1020, 85.7317,  
-57.9715

# Harmonies

## Analogous

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



232.9540, 6.4317, -9.6067



233.9870, 6.4154, -4.3736



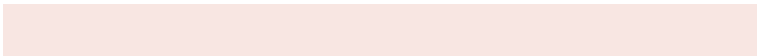
234.9770, 4.9413, 1.7742

# Triad

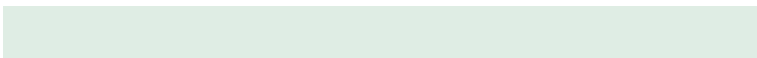
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



233.9870, 6.4154, -4.3736



234.9260, -4.4005, 11.4659



231.7880, -1.8675, -7.7071

# Complementary

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



233.9870, 6.4154, -4.3736



242.0130, -6.4154, 4.3736

# 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.



232.7240, -4.7939, -2.3889



233.9870, 6.4154, -4.3736



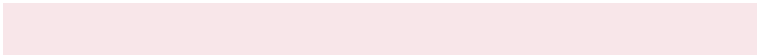
234.7470, -6.2843, 8.9919

# Square

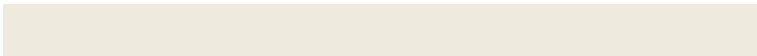
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



233.9870, 6.4154, -4.3736



235.7240, -1.3429, 10.7661



233.7140, -6.2680, 3.7588



231.9770, 1.4903, -11.3808



# Rectangle

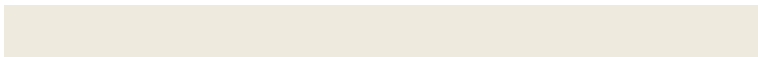
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



233.9870, 6.4154, -4.3736



235.4290, 2.7465, 5.7628



233.7140, -6.2680, 3.7588



232.4570, -3.1833, -5.6628

# Sweetspot

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



233.9870, 6.4154, -4.3736



251.1570, 1.8946, -1.0147



241.0480, 0.4693, -10.5661



125.9290, 1.0210, -0.8147



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.



233.9870, 6.4154, -4.3736



238.1440, 8.3100, -5.3883



232.2480, 7.2727, 0.6595



113.7160, 4.0840, -3.2589



51.7280, 66.1961, -45.3655



16.1180, 21.1408, -14.1355



# Inverse Universe

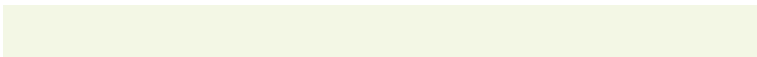
The Inverse Universe completely reimagines the original color for something new.



234.9520, -0.4693, 10.5661



239.5610, -0.7696, 13.5400



243.7520, -7.2727, -0.6595



114.0440, -0.0217, 6.9774



61.5420, -4.7042, 109.1497

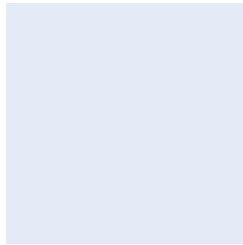


19.4650, -1.7082, 34.6722



# Previews

## White Background



This preview shows how the YUV color 233.9870, 6.4154, -4.3736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

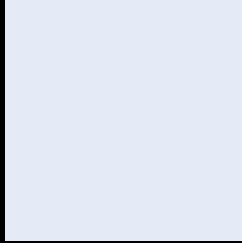
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 233.9870, 6.4154, -4.3736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

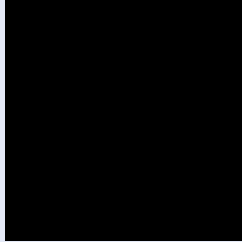
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

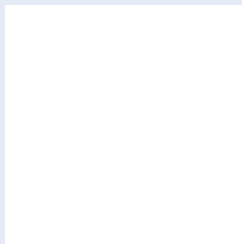
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 233.9870, 6.4154, -4.3736

## Background



This preview shows how black text looks on a background with the YUV color 233.9870, 6.4154, -4.3736.



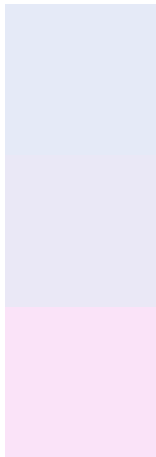
This preview shows how white text looks on a background with the YUV color 233.9870, 6.4154, -4.3736.

-4.3736.

# 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

233.9870, 6.4154, -4.3736

### Protanopia

234.1940, 5.8204, -0.1701

### Deuteranopia

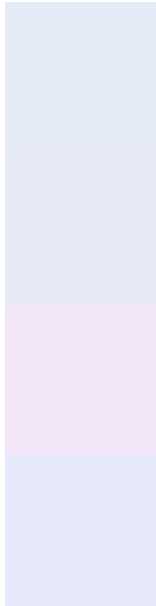
236.2710, 5.7824, 12.0403



## Tritanopia

234.2690, 8.7414, -3.7439

# Trichromacy



## Original Color

233.9870, 6.4154, -4.3736

## Protanomaly

234.1830, 5.8258, -1.9145

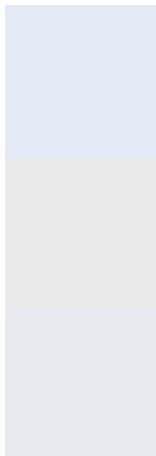
## Deuteranomaly

235.6400, 6.0935, 5.5777

## Tritanomaly

234.0410, 7.8678, -3.5440

# Monochromacy



## Original Color

233.9870, 6.4154, -4.3736

## Achromatopsia

234.0000, 0.0000, 0.0000

## Achromatomaly

233.9720, 2.4788, -1.7294

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 233.9870, 6.4154, -4.3736 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(229, 234, 247)` looks like.

```
.text, #text, p{  
    color:rgb(229, 234, 247)  
}
```

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(229, 234, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 234, 247) }
```

## Border

The CSS property to change the border of an element to YUV 233.9870, 6.4154, -4.3736 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(229, 234, 247) }
```



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

```
.border{ border-color:rgb(229, 234, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 234, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 234, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 234, 247);  
box-shadow:4px 4px 4px 4px rgb(229, 234,  
247) }
```

# Background

The CSS property to change the background color of an element to YUV 233.9870, 6.4154, -4.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 234, 247) }
```

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

```
.background{ background-color: rgb(229,  
234, 247) }
```

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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