

# Converting Colors

YUV(98.2370, 67.4242,  
-65.9828)

Have a look what the booklet for  
YUV(98.2370, 67.4242, -65.9828)  
contains.

<b>YUV(98.2370, 67.4242, -65.9828)</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(98.2370, 67.4242,  
-65.9828)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	176EEB
RGB	23, 110, 235
RGB Percent	9%, 43%, 92%
CMY	0.9098, 0.5686, 0.0784
CMYK	0.90, 0.53, 0.00, 0.08
HSL	215°, 84%, 51%
HSV	215°, 90%, 92%
XYZ	20.9247, 17.3322, 80.8399
YIQ	98.2370, -91.9770, 20.4310

# Conversions

## Conversions Part 2

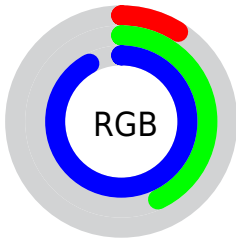
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 85, 235
Decimal	1535723
CIE Lab	48.68, 23.13, -69.59
CIE LCh	49, 73.334, 288.389
Yxy	17.3322, 0.1757, 0.1455
Android (android.graphics.Color)	4279725803 (0xFF176EEB)
YUV	98.2370, 67.4242, -65.9828
Hunter-Lab	41.6319, 16.8602, -85.9855

# Details

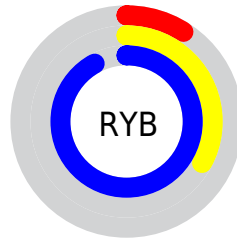
The YUV color **98.2370, 67.4242, -65.9828** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **159.7630, -67.4242, 65.9828**, and the grayscale version is **98.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **157.0650, 48.2820, -39.5220**, and **57.8600, 59.2290, -50.7432** is the 20% darker color. If you saturate the color by 10%, you get **83.1420, 74.8660, -72.9155**, and if you desaturate by 10%, it is **113.6310, 59.8349, -58.4354**.

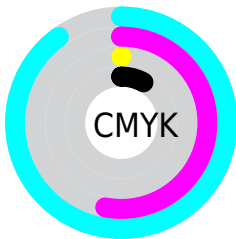
# Distribution



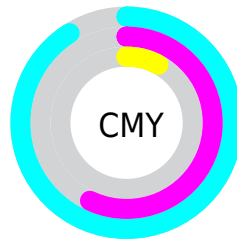
- Red (9%)
- Green (43%)
- Blue (92%)



- Red (9%)
- Yellow (33%)
- Blue (92%)



- Cyan (90%)
- Magenta (53%)
- Yellow (0%)
- Black (8%)



- Cyan (91%)
- Magenta (57%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 98.2370, 67.4242, -65.9828 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 98.2370, 67.4242, -65.9828 by changing the saturation by 10% instead.



■ 98.2370, 67.4242,  
-65.9828

■ 98.2370, 67.4242,  
-65.9828

■ 255.0000, 0.0000,  
0.0000

■ 73.9660, 65.0928,  
-64.8682

■ 157.0650, 48.2820,  
-39.5220

■ 57.8600, 59.2290,  
-50.7432

■ 182.7810, 35.6040,  
-33.1339

■ 42.4550, 53.5127,  
-37.2330

■ 208.1980, 23.0734,  
-27.3606

■ 28.8110, 46.9282,  
-25.2672

■ 233.9030, 10.4008,  
-22.7169

■ 12.3460, 42.2274,  
-10.8274

■ 250.5150, 2.2111,  
-9.2217

■ 13.6050, 29.2817,  
-11.9316

■ 8.0480, 20.6823,

-7.0581

■ 3.7790, 11.9410,  
-3.3142

■ 0.0000, 0.0000,  
0.0000

■ 98.2370, 67.4242,  
-65.9828

■ 98.2370, 67.4242,  
-65.9828

■ 83.1420, 74.8660,  
-72.9155

■ 113.6310, 59.8349,  
-58.4354

■ 128.7260, 52.3931,  
-51.5027

■ 144.1200, 44.8038,  
-43.9552

■ 158.6280, 37.6514,  
-36.5078

■ 174.0220, 30.0622,  
-28.9603

■ 189.1170, 22.6203,  
-22.0276

■ 204.2120, 15.1785,  
-15.0949

■ 219.6060, 7.5892,  
-7.5475

■ 235.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



103.5560, 66.7739, -90.8186



98.2370, 67.4242, -65.9828



116.9210, 40.4649, 41.2883

# Triad

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



98.2370, 67.4242, -65.9828



104.8880, -43.3288, 84.2902



92.7990, -2.3659, -81.3847

# Complementary

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



98.2370, 67.4242, -65.9828



159.7630, -67.4242, 65.9828

# 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.



81.0690, -32.0790, -71.0975



98.2370, 67.4242, -65.9828



108.8880, -53.6818, 44.8252

# Square

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



98.2370, 67.4242, -65.9828



96.7440, -7.7618, 109.8495



104.1830, -51.3622, 0.7165



100.7960, 25.7366, -88.3981



# Rectangle

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



98.2370, 67.4242, -65.9828



108.0310, 27.0997, 81.5338



104.1830, -51.3622, 0.7165



89.2310, -10.9599, -78.2556

# Sweetspot

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



98.2370, 67.4242, -65.9828



210.3020, 22.0361, -21.3129



161.5800, -7.1879, -121.5347



101.0660, 13.2785, -12.3359



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.



98.2370, 67.4242, -65.9828



90.7050, 80.9974, -79.5483



52.5500, 89.9478, -10.1293



109.6020, 3.6472, -3.1590



64.0720, 57.6455, -56.1911



19.0700, 17.2205, -16.7244



# Inverse Universe

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



96.3060, 6.7511, 121.6346



88.2150, 8.2750, 146.2704



205.4500, -89.9478, 10.1294



109.7450, 0.1257, 6.3626



62.5550, 5.6424, 103.8763



18.6540, 1.6496, 30.9984



# Previews

## White Background



This preview shows how the YUV color 98.2370, 67.4242, -65.9828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

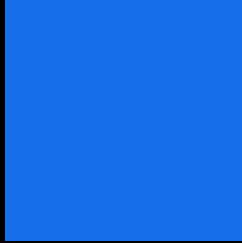
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 98.2370, 67.4242, -65.9828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

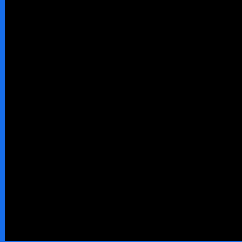
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

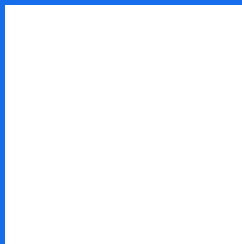
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 98.2370, 67.4242, -65.9828

## Background



This preview shows how black text looks on a background with the YUV color 98.2370, 67.4242, -65.9828.



This preview shows how white text looks on a background with the YUV color 98.2370, 67.4242, -65.9828.

-65.9828.

# 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

98.2370, 67.4242, -65.9828

### Protanopia

91.3600, 70.8145, -80.1227

### Deuteranopia

92.4080, 54.5219, -81.0418



## Tritanopia

90.6400, 22.3625, -79.4913

# Trichromacy



## Original Color

98.2370, 67.4242, -65.9828

## Protanomaly

93.7520, 69.6353, -75.2045

## Deuteranomaly

94.4070, 59.4523, -75.7789

## Tritanomaly

93.0270, 38.9337, -74.5687

# Monochromacy



## Original Color

98.2370, 67.4242, -65.9828

## Achromatopsia

98.0000, 0.0000, 0.0000

## Achromatomaly

97.9750, 24.6623, -23.6571

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 98.2370, 67.4242, -65.9828 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(23, 110, 235)` looks like.

```
.text, #text, p{  
    color:rgb(23, 110, 235)  
}
```

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(23, 110, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 110, 235) }
```

## Border

The CSS property to change the border of an element to YUV 98.2370, 67.4242, -65.9828 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(23, 110, 235) }
```



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

```
.border{ border-color:rgb(23, 110, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 110, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 110, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 110, 235);  
box-shadow:4px 4px 4px 4px rgb(23, 110,  
235) }
```

# Background

The CSS property to change the background color of an element to YUV 98.2370, 67.4242, -65.9828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 110, 235) }
```

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

```
.background{ background-color: rgb(23, 110,  
235) }
```

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