

# Converting Colors

YUV(66.3860, 61.4347,  
-58.2205)

Have a look what the booklet for  
YUV(66.3860, 61.4347, -58.2205)  
contains.

<b>YUV(66.3860, 61.4347, -58.2205)</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(66.3860, 61.4347,  
-58.2205)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004CBF
RGB	0, 76, 191
RGB Percent	0%, 30%, 75%
CMY	1.0000, 0.7020, 0.2510
CMYK	1.00, 0.60, 0.00, 0.25
HSL	216°, 100%, 37%
HSV	216°, 100%, 75%
XYZ	11.9884, 8.9305, 50.3821
YIQ	66.3860, -82.2110, 19.6530

# Conversions

## Conversions Part 2

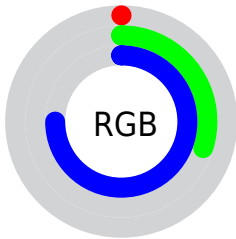
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 54, 191
Decimal	19647
CIELab	35.85, 27.26, -65.30
CIELCh	36, 70.758, 292.660
Yxy	8.9305, 0.1681, 0.1253
Android (android.graphics.Color)	4278209727 (0xFF004CBF)
YUV	66.3860, 61.4347, -58.2205
Hunter-Lab	29.8839, 19.3114, -79.0400

# Details

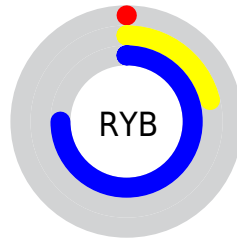
The YUV color **66.3860, 61.4347, -58.2205** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **124.6140, -61.4347, 58.2205**, and the grayscale version is **66.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **129.7640, 58.2903, -29.6110**, and **35.4620, 49.5652, -31.1002** is the 20% darker color. If you saturate the color by 10%, you get **66.3860, 61.4347, -58.2205**, and if you desaturate by 10%, it is **78.5240, 55.4507, -52.2025**.

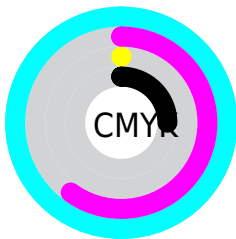
# Distribution



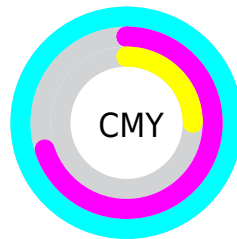
- Red (0%)
- Green (30%)
- Blue (75%)



- Red (0%)
- Yellow (21%)
- Blue (75%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (70%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 66.3860, 61.4347, -58.2205 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 66.3860, 61.4347, -58.2205 by changing the saturation by 10% instead.



■ 66.3860, 61.4347,  
-58.2205

■ 66.3860, 61.4347,  
-58.2205

■ 255.0000, 0.0000,  
0.0000

■ 50.2800, 55.5710,  
-44.0956

■ 129.7640, 58.2903,  
-29.6110

■ 35.4620, 49.5652,  
-31.1002

■ 155.3920, 49.1067,  
-24.0228

■ 21.9320, 43.4175,  
-19.2344

■ 179.9230, 37.0130,  
-18.3495

■ 12.0380, 35.9703,  
-10.5573

■ 205.3290, 24.4878,  
-14.3205

■ 10.4760, 24.9083,  
-9.1875

■ 230.7350, 11.9626,  
-10.2916

■ 6.0930, 15.7302,  
-5.3436

■ 253.5050, 0.7370,

■ 2.2970, 6.2626,

-3.0739

-2.0145

■ 0.0000, 0.0000,  
0.0000

■ 66.3860, 61.4347,  
-58.2205

■ 78.5240, 55.4507,  
-52.2025

■ 91.2490, 49.1772,  
-46.6994

■ 103.3870, 43.1932,  
-40.6814

■ 116.1120, 36.9198,  
-35.1782

■ 128.5490, 30.7883,  
-28.5455

■ 141.2740, 24.5149,  
-23.0423

■ 153.4120, 18.5309,  
-17.0243

■ 166.1370, 12.2575,  
-11.5211

■ 178.8620, 5.9840,  
-6.0180

# Harmonies

## Analogous

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



79.0380, 59.1413, -69.3163



66.3860, 61.4347, -58.2205



80.5260, 36.2227, 48.6507

# Triad

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



66.3860, 61.4347, -58.2205



73.9340, -36.4495, 71.0949



69.9740, -0.9732, -61.3672

# Complementary

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



66.3860, 61.4347, -58.2205



124.6140, -61.4347, 58.2205

# 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.



59.8740, -29.5179, -52.5095



66.3860, 61.4347, -58.2205



79.5840, -39.2349, 31.0598

# Square

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



66.3860, 61.4347, -58.2205



58.0530, -6.4351, 104.3165



73.7160, -36.3420, -10.2749



77.2870, 24.5085, -67.7807



# Rectangle

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



66.3860, 61.4347, -58.2205



63.0150, 28.0936, 89.4408



73.7160, -36.3420, -10.2749



67.1070, -9.4198, -58.8528

# Sweetspot

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



66.3860, 61.4347, -58.2205



199.0460, 23.6413, -22.8423



125.2270, -5.0419, -109.8241



95.6960, 14.4469, -13.7654



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



66.3860, 61.4347, -58.2205



85.6840, 79.5288, -75.1449



27.4550, 80.6277, -7.4150



88.3740, 2.7736, -2.9590



54.9930, 50.7825, -48.2289



10.5780, 10.0680, -9.2769



# Inverse Universe

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



65.7730, 5.0419, 109.8241



85.0250, 6.3967, 142.0521



163.5450, -80.6277, 7.4150



88.1470, 0.4205, 5.1331



54.4240, 4.2280, 90.8362



10.6370, 0.6720, 17.8584



# Previews

## White Background



This preview shows how the YUV color 66.3860, 61.4347, -58.2205 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 66.3860, 61.4347, -58.2205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

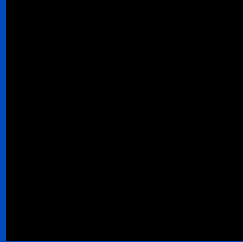
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 66.3860, 61.4347, -58.2205

## Background



This preview shows how black text looks on a background with the YUV color 66.3860, 61.4347, -58.2205.



This preview shows how white text looks on a background with the YUV color 66.3860, 61.4347,



# 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

66.3860, 61.4347, -58.2205

### Protanopia

67.1550, 51.6886, -58.8949

### Deuteranopia

67.8270, 39.0323, -59.4843



## Tritanopia

66.4640, 16.0402, -58.2889

# Trichromacy



## Original Color

66.3860, 61.4347, -58.2205

## Protanomaly

66.7790, 55.3250, -58.5652

## Deuteranomaly

67.3030, 47.1786, -59.0247

## Tritanomaly

66.1170, 32.4803, -57.9846

# Monochromacy



## Original Color

66.3860, 61.4347, -58.2205

## Achromatopsia

66.0000, 0.0000, 0.0000

## Achromatomaly

66.3020, 22.0361, -21.3129

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 66.3860, 61.4347, -58.2205 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(0, 76, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 76, 191)  
}
```

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(0, 76, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 191) }
```

## Border

The CSS property to change the border of an element to YUV 66.3860, 61.4347, -58.2205 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(0, 76, 191) }
```



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

```
.border{ border-color:rgb(0, 76, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 76, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 76, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 76, 191)  
}
```

# Background

The CSS property to change the background color of an element to YUV 66.3860, 61.4347, -58.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 191) }
```

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

```
.background{ background-color: rgb(0, 76,  
191) }
```

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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