

# Converting Colors

YUV(63.8630, 38.0285,  
-17.4199)

Have a look what the booklet for  
YUV(63.8630, 38.0285, -17.4199)  
contains.

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# Color

**YUV(63.8630, 38.0285,  
-17.4199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C3B8D
RGB	44, 59, 141
RGB Percent	17%, 23%, 55%
CMY	0.8275, 0.7686, 0.4471
CMYK	0.69, 0.58, 0.00, 0.45
HSL	231°, 52%, 36%
HSV	231°, 69%, 55%
XYZ	7.4104, 5.5865, 25.8870
YIQ	63.8630, -35.2620, 22.3220

# Conversions

## Conversions Part 2

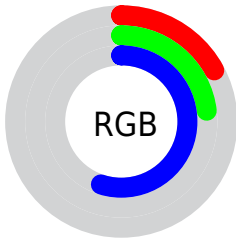
<b>Format</b>	<b>Color</b>
<b>RYB</b>	44, 57, 141
Decimal	2898829
CIELab	28.34, 22.46, -47.44
CIElCh	28, 52.493, 295.335
Yxy	5.5865, 0.1906, 0.1437
Android (android.graphics.Color)	4281088909 (0xFF2C3B8D)
YUV	63.8630, 38.0285, -17.4199
Hunter-Lab	23.6358, 14.6016, -48.3923

# Details

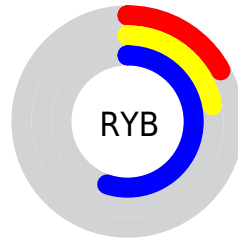
The YUV color **63.8630, 38.0285, -17.4199** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **121.1370, -38.0285, 17.4199**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.9500, 39.4646, -11.3572**, and **20.8260, 34.1028, -18.2644** is the 20% darker color. If you saturate the color by 10%, you get **52.6330, 43.5649, -19.8491**, and if you desaturate by 10%, it is **75.0930, 32.4922, -14.9906**.

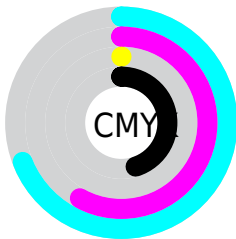
# Distribution



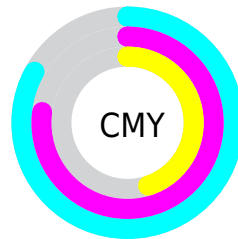
- Red (17%)
- Green (23%)
- Blue (55%)



- Red (17%)
- Yellow (22%)
- Blue (55%)



- Cyan (69%)
- Magenta (58%)
- Yellow (0%)
- Black (45%)



- Cyan (83%)
- Magenta (77%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 63.8630, 38.0285, -17.4199 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 63.8630, 38.0285, -17.4199 by changing the saturation by 10% instead.



■ 63.8630, 38.0285,  
-17.4199

■ 63.8630, 38.0285,  
-17.4199

■ 255.0000, 0.0000,  
0.0000

■ 35.4160, 39.2349,  
-31.0598

■ 114.9500, 39.4646,  
-11.3572

■ 20.8260, 34.1028,  
-18.2644

■ 141.0040, 40.9170,  
-10.5275

■ 7.5240, 28.8287,  
-6.5985

■ 168.2430, 41.7852,  
-8.9831

■ 6.6630, 17.9141,  
-5.8435

■ 192.6920, 30.7178,  
-5.8689

■ 2.9810, 8.8834,  
-2.6143

■ 217.7990, 18.3401,  
-2.4547

■ 0.0000, 0.0000,  
0.0000

■ 242.9060, 5.9623,

0.9594

■ 63.8630, 38.0285,  
-17.4199

■ 63.8630, 38.0285,  
-17.4199

■ 52.6330, 43.5649,  
-19.8491

■ 75.0930, 32.4922,  
-14.9906

■ 41.4030, 49.1013,  
-22.2784

■ 86.3230, 26.9558,  
-12.5613

■ 30.1730, 54.6377,  
-24.7077

■ 97.5530, 21.4194,  
-10.1320

■ 28.9880, 55.2219,  
-25.4225

■ 108.7830, 15.8830,  
-7.7027

■ 120.3120, 10.1992,  
-4.6586

■ 131.5420, 4.6628,  
-2.2293

■ 142.1850, -0.5842,  
0.7148

■ 153.4150, -6.1206,  
3.1440

■ 164.6450,  
-11.6570, 5.5733

# Harmonies

## Analogous

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



60.4240, 43.6680, -52.9918



63.8630, 38.0285, -17.4199



65.8330, 23.7463, 36.9805

# Triad

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



63.8630, 38.0285, -17.4199



60.8110, -29.9798, 49.2778



55.4470, 1.7516, -48.6270

# Complementary

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



63.8630, 38.0285, -17.4199



121.1370, -38.0285, 17.4199

# 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.



49.1430, -17.3255, -43.0984



63.8630, 38.0285, -17.4199



63.2930, -31.2034, 21.6680

# Square

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



63.8630, 38.0285, -17.4199



54.0350, -9.3843, 70.1293



58.9750, -29.0747, -7.8711



60.8220, 19.8078, -53.3409



# Rectangle

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



63.8630, 38.0285, -17.4199



56.2230, 15.6661, 62.0714



58.9750, -29.0747, -7.8711



53.8510, -4.3635, -47.2273

# Sweetspot

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



63.8630, 38.0285, -17.4199



152.9680, 15.2988, -6.9879



110.1730, 7.3097, -58.0337



73.3830, 9.1782, -3.8439



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



63.8630, 38.0285, -17.4199



62.5300, 59.8847, -27.6518



64.6260, 37.6524, 9.9750



65.3850, 2.7682, -1.2146



27.7170, 52.8905, -24.3078



1.4990, 3.2050, -1.3146



# Inverse Universe

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



74.7130, -7.7465, 58.1337



79.4830, -12.0701, 91.6614



120.3740, -37.6524, -9.9750



66.2070, -0.5951, 4.2035



42.7590, -10.7272, 80.8954



2.5060, -0.7425, 4.8182



# Previews

## White Background



This preview shows how the YUV color 63.8630, 38.0285, -17.4199 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 63.8630, 38.0285, -17.4199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

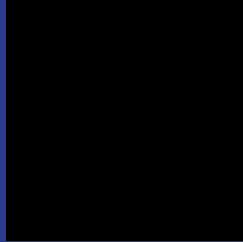
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 63.8630, 38.0285, -17.4199

## Background



This preview shows how black text looks on a background with the YUV color 63.8630, 38.0285, -17.4199.



This preview shows how white text looks on a background with the YUV color 63.8630, 38.0285, -17.4199.



# 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

63.8630, 38.0285, -17.4199

### Protanopia

53.1860, 41.3203, -46.6441

### Deuteranopia

53.3680, 31.8636, -46.8037



## Tritanopia

52.5580, 13.5289, -46.0934

# Trichromacy



## Original Color

63.8630, 38.0285, -17.4199

## Protanomaly

56.9100, 39.9774, -35.8781

## Deuteranomaly

57.3030, 33.8676, -36.2227

## Tritanomaly

56.9150, 22.2269, -35.8825

# Monochromacy



## Original Color

63.8630, 38.0285, -17.4199

## Achromatopsia

64.0000, 0.0000, 0.0000

## Achromatomaly

63.9250, 13.8410, -6.0732

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 63.8630, 38.0285, -17.4199 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(44, 59, 141)` looks like.

```
.text, #text, p{  
    color:rgb(44, 59, 141)  
}
```

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(44, 59, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 59, 141) }
```

## Border

The CSS property to change the border of an element to YUV 63.8630, 38.0285, -17.4199 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(44, 59, 141) }
```



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

```
.border{ border-color:rgb(44, 59, 141) }
```

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

Here you see how a box with a 4 pixel rgb(44, 59, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 59, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 59, 141);  
box-shadow:4px 4px 4px 4px rgb(44, 59,  
141) }
```

# Background

The CSS property to change the background color of an element to YUV 63.8630, 38.0285, -17.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 59, 141) }
```

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

```
.background{ background-color: rgb(44, 59,  
141) }
```

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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