

# Converting Colors

YUV(57.8870, 35.0587, 1.8531)

Have a look what the booklet for  
YUV(57.8870, 35.0587, 1.8531)  
contains.

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# Color

**YUV(57.8870, 35.0587,  
1.8531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3C2B81
RGB	60, 43, 129
RGB Percent	24%, 17%, 51%
CMY	0.7647, 0.8314, 0.4941
CMYK	0.53, 0.67, 0.00, 0.49
HSL	252°, 50%, 34%
HSV	252°, 67%, 51%
XYZ	6.6898, 4.2734, 21.2411
YIQ	57.8870, -17.4740, 30.3500

# Conversions

## Conversions Part 2

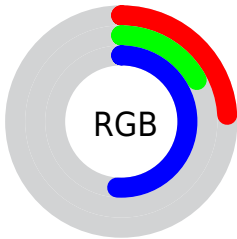
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 43, 129
Decimal	3943297
CIE <sub>Lab</sub>	24.56, 31.63, -46.07
CIE <sub>LCh</sub>	25, 55.885, 304.474
Yxy	4.2734, 0.2077, 0.1327
Android (android.graphics.Color)	4282133377 (0xFF3C2B81)
YUV	57.8870, 35.0587, 1.8531
Hunter-Lab	20.6722, 21.5887, -46.4513

# Details

The YUV color **57.8870, 35.0587, 1.8531** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **114.1130, -35.0587, -1.8531**, and the grayscale version is **58.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **107.7780, 37.0844, 5.4567**, and **9.0060, 34.5070, -7.8983** is the 20% darker color. If you saturate the color by 10%, you get **47.2660, 40.2949, 2.3977**, and if you desaturate by 10%, it is **68.5080, 29.8226, 1.3085**.

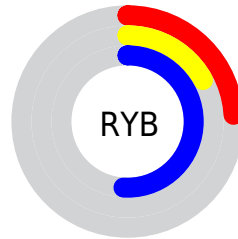
# Distribution



 Red (24%)

 Green (17%)

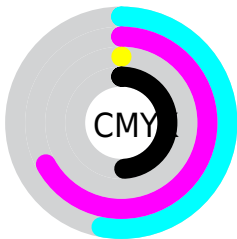
 Blue (51%)




 Red (24%)

 Yellow (17%)

 Blue (51%)

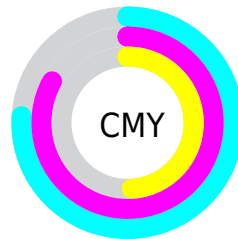



 Cyan (53%)


 Magenta (67%)

 Yellow (0%)

 Black (49%)



 Cyan (76%)

 Magenta (83%)

 Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 57.8870, 35.0587, 1.8531 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 57.8870, 35.0587, 1.8531 by changing the saturation by 10% instead.



■ 57.8870, 35.0587,  
1.8531

■ 57.8870, 35.0587,  
1.8531

■ 255.0000, 0.0000,  
0.0000

■ 33.3380, 34.3434,  
-2.0504

■ 107.7780, 37.0844,  
5.4567

■ 9.0060, 34.5070,  
-7.8983

■ 133.7180, 38.1000,  
6.3863

■ 6.2700, 24.0239,  
-5.4988

■ 159.9570, 38.9682,  
7.9307

■ 4.9360, 13.8356,  
-4.3289

■ 186.0020, 34.0160,  
9.6452

■ 0.5700, 2.1840,  
-0.4999

■ 210.5220, 21.9277,  
13.5742

■ 0.0000, 0.0000,  
0.0000

■ 235.6290, 9.5499,

16.9884

252.6520, 1.1576,  
2.0592

57.8870, 35.0587,  
1.8531

57.8870, 35.0587,  
1.8531

47.2660, 40.2949,  
2.3977

68.5080, 29.8226,  
1.3085

36.3460, 45.6784,  
2.3276

79.4280, 24.4390,  
1.3786

25.7250, 50.9146,  
2.8722

90.0490, 19.2028,  
0.8340

22.4800, 52.5144,  
3.0870

100.6700, 13.9667,  
0.2894

111.5900, 8.5831,  
0.3596

■ 121.6240, 3.6364,  
0.3298

■ 132.2450, -1.5998,  
-0.2149

■ 143.1650, -6.9833,  
-0.1447

■ 153.7860,  
-12.2195, -0.6893

# Harmonies

## Analogous

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



53.3970, 44.6673, -46.8292



57.8870, 35.0587, 1.8531



45.1930, 24.5549, 57.7127

# Triad

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



57.8870, 35.0587, 1.8531



53.9670, -26.6057, 40.3709



51.3210, 6.2507, -45.0085

# Complementary

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



57.8870, 35.0587, 1.8531



114.1130, -35.0587, -1.8531

# 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.



44.9030, -13.2632, -39.3799



57.8870, 35.0587, 1.8531



54.6660, -26.9503, 10.8169

# Square

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



57.8870, 35.0587, 1.8531



40.1940, -13.8996, 71.7439



45.5970, -22.4793, -23.3256



56.1090, 24.5963, -49.2076



# Rectangle

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



57.8870, 35.0587, 1.8531



45.1270, 11.2764, 70.0486



45.5970, -22.4793, -23.3256



49.0240, -0.0118, -42.9940

# Sweetspot

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



57.8870, 35.0587, 1.8531



140.5560, 13.5299, 0.3894



93.8940, 17.3073, -44.6340



67.4760, 8.1463, 0.4595



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



57.8870, 35.0587, 1.8531



57.0500, 54.6983, 2.5872



70.4450, 28.8676, 27.6737



58.3960, 2.7628, 0.5297



22.0670, 52.2250, 2.5722



0.0000, 0.0000, 0.0000



# Inverse Universe

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



76.5800, 17.4621, 45.9723



86.3780, 27.4216, 71.5825



101.5550, -28.8676, -27.6737



59.6630, 1.1521, 3.8035



49.9000, 25.6853, 68.4937

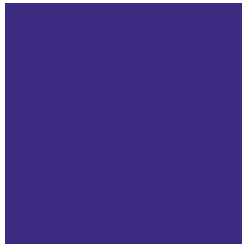


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 57.8870, 35.0587, 1.8531 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 57.8870, 35.0587, 1.8531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

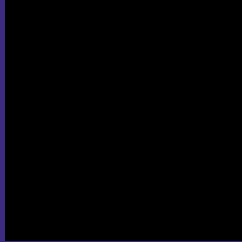
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 57.8870, 35.0587, 1.8531

## Background



This preview shows how black text looks on a background with the YUV color 57.8870, 35.0587, 1.8531.



This preview shows how white text looks on a background with the YUV color 57.8870, 35.0587,



# 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

57.8870, 35.0587, 1.8531

### Protanopia

47.1390, 35.9205, -41.3409

### Deuteranopia

46.9620, 27.6267, -41.1857



## Tritanopia

55.6930, 5.5744, -14.6398

# Trichromacy



## Original Color

57.8870, 35.0587, 1.8531

## Protanomaly

51.1240, 35.4349, -25.5417

## Deuteranomaly

51.0440, 30.0513, -25.4716

## Tritanomaly

56.5980, 16.4672, -8.4174

# Monochromacy



## Original Color

57.8870, 35.0587, 1.8531

## Achromatopsia

58.0000, 0.0000, 0.0000

## Achromatomaly

58.3280, 12.6563, 0.5893

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 57.8870, 35.0587, 1.8531 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(60, 43, 129)` looks like.

```
.text, #text, p{  
    color:rgb(60, 43, 129)  
}
```

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(60, 43, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 43, 129) }
```

## Border

The CSS property to change the border of an element to YUV 57.8870, 35.0587, 1.8531 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(60, 43, 129) }
```



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

```
.border{ border-color:rgb(60, 43, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 43, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 43, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 43, 129);  
box-shadow:4px 4px 4px 4px rgb(60, 43,  
129) }
```

# Background

The CSS property to change the background color of an element to YUV 57.8870, 35.0587, 1.8531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 43, 129) }
```

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

```
.background{ background-color: rgb(60, 43,  
129) }
```

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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