

# Converting Colors

YUV(82.9650, 46.8523, -0.8463)

Have a look what the booklet for  
YUV(82.9650, 46.8523, -0.8463)  
contains.

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# Color

**YUV(82.9650, 46.8523,  
-0.8463)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5241B2
RGB	82, 65, 178
RGB Percent	32%, 25%, 70%
CMY	0.6784, 0.7451, 0.3020
CMYK	0.54, 0.63, 0.00, 0.30
HSL	249°, 47%, 48%
HSV	249°, 63%, 70%
XYZ	13.4059, 8.7888, 43.1093
YIQ	82.9650, -26.1410, 38.7470

# Conversions

## Conversions Part 2

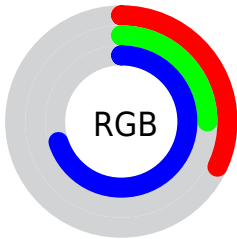
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	82, 65, 178
Decimal	5390770
CIE Lab	35.57, 37.97, -57.94
CIE LCh	36, 69.268, 303.236
Yxy	8.7888, 0.2053, 0.1346
Android (android.graphics.Color)	4283580850 (0xFF5241B2)
YUV	82.9650, 46.8523, -0.8463
Hunter-Lab	29.6459, 28.8373, -65.4639

# Details

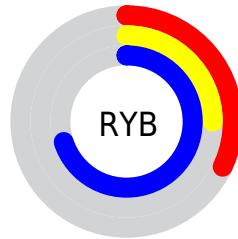
The YUV color **82.9650, 46.8523, -0.8463** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **160.0350, -46.8523, 0.8463**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.2690, 49.1674, 3.2721**, and **28.5670, 47.0485, -17.1603** is the 20% darker color. If you saturate the color by 10%, you get **67.9140, 54.2724, -0.8016**, and if you desaturate by 10%, it is **98.0160, 39.4321, -0.8910**.

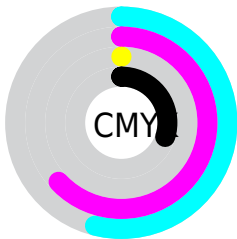
# Distribution



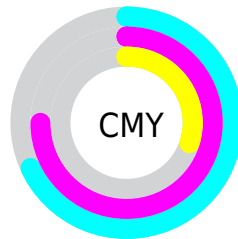
- Red (32%)
- Green (25%)
- Blue (70%)



- Red (32%)
- Yellow (25%)
- Blue (70%)



- Cyan (54%)
- Magenta (63%)
- Yellow (0%)
- Black (30%)



- Cyan (68%)
- Magenta (75%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 82.9650, 46.8523, -0.8463 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 82.9650, 46.8523, -0.8463 by changing the saturation by 10% instead.



■ 82.9650, 46.8523,  
-0.8463

■ 82.9650, 46.8523,  
-0.8463

■ 255.0000, 0.0000,  
0.0000

■ 57.4160, 46.1369,  
-4.7498

■ 135.2690, 49.1674,  
3.2721

■ 28.5670, 47.0485,  
-17.1603

■ 161.4820, 46.1044,  
5.7163

■ 11.2860, 43.2430,  
-9.8978

■ 185.4150, 34.3054,  
10.1600

■ 8.4360, 32.3231,  
-7.3984

■ 210.5220, 21.9277,  
13.5742

■ 8.0480, 20.6823,  
-7.0581

■ 235.6290, 9.5499,  
16.9884

■ 4.3660, 11.6516,  
-3.8290

■ 252.0650, 1.4470,

■ 0.0000, 0.0000,

2.5740

0.0000

■ 82.9650, 46.8523,  
-0.8463

■ 82.9650, 46.8523,  
-0.8463

■ 67.9140, 54.2724,  
-0.8016

■ 98.0160, 39.4321,  
-0.8910

■ 52.8630, 61.6925,  
-0.7569

■ 113.0670, 32.0120,  
-0.9358

■ 38.3990, 68.8233,  
-1.2269

■ 127.5310, 24.8812,  
-0.4657

■ 28.3650, 73.7701,  
-1.1971

■ 142.5820, 17.4611,  
-0.5104

■ 157.9320, 9.8935,  
0.0596

■ 172.9830, 2.4734,  
0.0149

■ 188.0340, -4.9468,  
-0.0298

■ 202.4980,  
-12.0775, 0.4403

■ 217.5490,  
-19.4977, 0.3955

# Harmonies

## Analogous

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



75.2880, 60.0040, -66.0276



82.9650, 46.8523, -0.8463



70.8170, 31.6422, 71.1975

# Triad

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



82.9650, 46.8523, -0.8463



77.3790, -38.1478, 55.7956



72.2540, 7.7628, -63.3668

# Complementary

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



82.9650, 46.8523, -0.8463



160.0350, -46.8523, 0.8463

# 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.



63.6530, -17.5769, -55.8237



82.9650, 46.8523, -0.8463



78.6100, -38.7547, 17.0050

# Square

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



82.9650, 46.8523, -0.8463



59.9520, -16.7383, 95.6351



67.7030, -33.3776, -27.8035



78.6380, 32.2235, -68.9655



# Rectangle

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



82.9650, 46.8523, -0.8463



62.7140, 17.8890, 95.8438



67.7030, -33.3776, -27.8035



69.5010, -0.2470, -60.9524

# Sweetspot

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



82.9650, 46.8523, -0.8463



195.1090, 18.1873, -0.0956



134.2340, 21.5766, -60.7182



94.2740, 11.2039, -0.2403



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



82.9650, 46.8523, -0.8463



83.8380, 73.0439, -1.6119



99.7090, 38.5975, 33.5812



81.6240, 3.6364, 0.3298



24.3190, 63.4397, -1.1568



4.1600, 10.7671, -0.1403



# Inverse Universe

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



109.7310, 25.2756, 59.8719



125.7240, 39.5761, 93.2041



143.2910, -38.5975, -33.5812



83.6030, 2.1677, 4.7332



60.5670, 34.2305, 81.0637

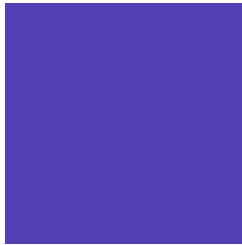


10.2820, 5.7770, 13.7847



# Previews

## White Background



This preview shows how the YUV color 82.9650, 46.8523, -0.8463 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 82.9650, 46.8523, -0.8463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

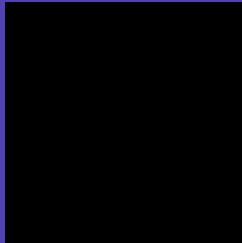
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 82.9650, 46.8523, -0.8463**

## **Background**



This preview shows how black text looks on a background with the YUV color 82.9650, 46.8523, -0.8463.



This preview shows how white text looks on a background with the YUV color 82.9650, 46.8523, -0.8463.

-0.8463.

# 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

82.9650, 46.8523, -0.8463

### Protanopia

67.0410, 51.2518, -58.7950

### Deuteranopia

67.3540, 39.7585, -59.0695



## Tritanopia

79.3330, 8.2168, -22.2170

# Trichromacy



## Original Color

82.9650, 46.8523, -0.8463

## Protanomaly

72.8310, 49.8763, -37.5628

## Deuteranomaly

72.8820, 42.4562, -37.6075

## Tritanomaly

80.4600, 22.4512, -14.4354

# Monochromacy



## Original Color

82.9650, 46.8523, -0.8463

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

82.8810, 17.3137, 0.1044

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 82.9650, 46.8523, -0.8463 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(82, 65, 178)` looks like.

```
.text, #text, p{  
    color:rgb(82, 65, 178)  
}
```

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(82, 65, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 65, 178) }
```

## Border

The CSS property to change the border of an element to YUV 82.9650, 46.8523, -0.8463 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(82, 65, 178) }
```



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

```
.border{ border-color:rgb(82, 65, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 65, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 65, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 65, 178);  
box-shadow:4px 4px 4px 4px rgb(82, 65,  
178) }
```

# Background

The CSS property to change the background color of an element to YUV 82.9650, 46.8523, -0.8463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 65, 178) }
```

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

```
.background{ background-color: rgb(82, 65,  
178) }
```

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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