

# Converting Colors

YUV(49.3630, 43.2050, 2.3126)

Have a look what the booklet for  
YUV(49.3630, 43.2050, 2.3126)  
contains.

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# Color

**YUV(49.3630, 43.2050,  
2.3126)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	341F89
RGB	52, 31, 137
RGB Percent	20%, 12%, 54%
CMY	0.7961, 0.8784, 0.4627
CMYK	0.62, 0.77, 0.00, 0.46
HSL	252°, 63%, 33%
HSV	252°, 77%, 54%
XYZ	6.4215, 3.5162, 24.0071
YIQ	49.3630, -21.5100, 37.4180

# Conversions

## Conversions Part 2

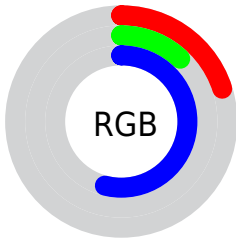
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 31, 137
Decimal	3415945
CIE <sub>Lab</sub>	22.00, 39.84, -55.30
CIE <sub>LCh</sub>	22, 68.158, 305.768
Yxy	3.5162, 0.1892, 0.1036
Android (android.graphics.Color)	4281606025 (0xFF341F89)
YUV	49.3630, 43.2050, 2.3126
Hunter-Lab	18.7515, 28.3129, -62.7818

# Details

The YUV color **49.3630, 43.2050, 2.3126** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **118.6370, -43.2050, -2.3126**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.1510, 44.7886, 7.7606**, and **9.8040, 37.5646, -8.5981** is the 20% darker color. If you saturate the color by 10%, you get **37.8560, 48.8780, 2.7573**, and if you desaturate by 10%, it is **60.8700, 37.5321, 1.8680**.

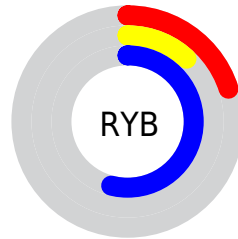
# Distribution



Red (20%)

Green (12%)

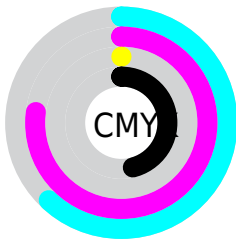
Blue (54%)



Red (20%)

Yellow (12%)

Blue (54%)

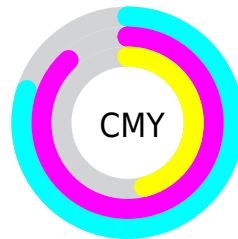


Cyan (62%)

Magenta (77%)

Yellow (0%)

Black (46%)



Cyan (80%)

Magenta (88%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.3630, 43.2050, 2.3126 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 49.3630, 43.2050, 2.3126 by changing the saturation by 10% instead.



■ 49.3630, 43.2050,  
2.3126

■ 49.3630, 43.2050,  
2.3126

■ 255.0000, 0.0000,  
0.0000

■ 21.2480, 44.2477,  
-5.4795

■ 100.1510, 44.7886,  
7.7606

■ 9.8040, 37.5646,  
-8.5981

■ 126.5040, 46.0935,  
9.2050

■ 8.2420, 26.5027,  
-7.2282

■ 153.1560, 47.2511,  
11.2642

■ 6.2070, 16.1669,  
-5.4435

■ 178.0610, 37.9309,  
13.9785

■ 2.4110, 6.6994,  
-2.1144

■ 202.5810, 25.8426,  
17.9075

■ 0.0000, 0.0000,  
0.0000

■ 227.9870, 13.3174,

21.9364

245.0210, 4.9196,  
8.7516

49.3630, 43.2050,  
2.3126

49.3630, 43.2050,  
2.3126

37.8560, 48.8780,  
2.7573

60.8700, 37.5321,  
1.8680

26.9360, 54.2616,  
2.6871

71.7900, 32.1485,  
1.9382

23.6910, 55.8613,  
2.9020

83.2970, 26.4756,  
1.4935

94.8040, 20.8026,  
1.0489

106.3110, 15.1297,  
0.6043

■ 117.2310, 9.7461,  
0.6744

■ 128.7380, 4.0732,  
0.2298

■ 140.2450, -1.5998,  
-0.2149

■ 151.1650, -6.9833,  
-0.1447

# Harmonies

## Analogous

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



51.9440, 51.7926, -45.5549



49.3630, 43.2050, 2.3126



45.5140, 24.3966, 61.8162

# Triad

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



49.3630, 43.2050, 2.3126



47.2000, -23.2696, 43.6746



48.1580, 6.8241, -42.2346

# Complementary

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



49.3630, 43.2050, 2.3126



118.6370, -43.2050, -2.3126

# 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.



40.1440, -18.8050, -35.2063



49.3630, 43.2050, 2.3126



48.7410, -24.0293, 7.2431

# Square

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



49.3630, 43.2050, 2.3126



37.3750, -18.4259, 76.8471



37.5680, -18.5210, -32.9471



54.4450, 28.3746, -47.7483



# Rectangle

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



49.3630, 43.2050, 2.3126



46.5360, 7.6238, 74.9519



37.5680, -18.5210, -32.9471



46.1060, -1.0383, -40.4350

# Sweetspot

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



49.3630, 43.2050, 2.3126



144.4790, 17.0189, 1.3339



94.1530, 21.1236, -55.3852



68.3450, 10.1829, 0.5744



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



49.3630, 43.2050, 2.3126



40.9050, 68.0808, 3.5913



64.6120, 35.6873, 33.6663



63.0970, 2.9102, -0.0851



22.9360, 54.2616, 2.6871



0.8690, 2.0366, 0.1149



# Inverse Universe

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



72.3840, 21.5027, 56.6682



77.2090, 33.9140, 89.2707



103.3880, -35.6873, -33.6663



64.6630, 1.1521, 3.8035



51.8510, 26.6955, 71.1677

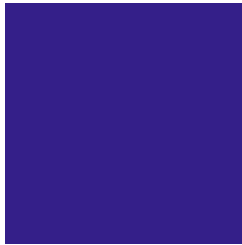


1.9510, 1.0102, 2.6740



# Previews

## White Background



This preview shows how the YUV color 49.3630, 43.2050, 2.3126 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 49.3630, 43.2050, 2.3126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

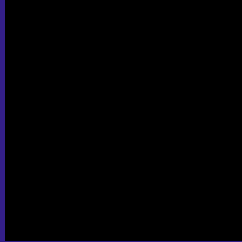
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 49.3630, 43.2050, 2.3126

## Background



This preview shows how black text looks on a background with the YUV color 49.3630, 43.2050, 2.3126.



This preview shows how white text looks on a background with the YUV color 49.3630, 43.2050,



# 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

49.3630, 43.2050, 2.3126

### Protanopia

42.2490, 32.4152, -37.0524

### Tritanopia

42.8260, 10.4388, -34.9274

# Trichromacy



## Original Color

49.3630, 43.2050, 2.3126

## Protanomaly

45.0750, 36.4450, -22.8678

## Tritanomaly

45.4160, 22.4729, -21.4128

# Monochromacy



## Original Color

49.3630, 43.2050, 2.3126

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.8380, 15.8559, 1.0191

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.3630, 43.2050, 2.3126 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(52, 31, 137)` looks like.

```
.text, #text, p{  
    color:rgb(52, 31, 137)  
}
```

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(52, 31, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 31, 137) }
```

## Border

The CSS property to change the border of an element to YUV 49.3630, 43.2050, 2.3126 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(52, 31, 137) }
```

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

```
.border{ border-color:rgb(52, 31, 137) }
```

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

Here you see how a box with a 4 pixel rgb(52, 31, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 31, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 31, 137);  
box-shadow:4px 4px 4px 4px rgb(52, 31,  
137) }
```



# Background

The CSS property to change the background color of an element to YUV 49.3630, 43.2050, 2.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 31, 137) }
```

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

```
.background{ background-color: rgb(52, 31,  
137) }
```

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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