

# Converting Colors

YUV(49.6180, 26.3173, 5.5970)

Have a look what the booklet for  
YUV(49.6180, 26.3173, 5.5970)  
contains.

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# Color

**YUV(49.6180, 26.3173,  
5.5970)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	382467
RGB	56, 36, 103
RGB Percent	22%, 14%, 40%
CMY	0.7804, 0.8588, 0.5961
CMYK	0.46, 0.65, 0.00, 0.60
HSL	258°, 48%, 27%
HSV	258°, 65%, 40%
XYZ	4.7099, 3.0818, 13.1786
YIQ	49.6180, -9.5870, 25.0770

# Conversions

## Conversions Part 2

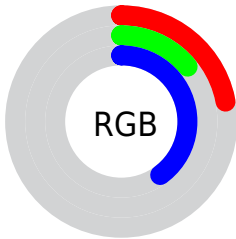
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	56, 36, 103
Decimal	3679335
CIE Lab	20.37, 26.89, -36.23
CIE LCh	20, 45.117, 306.587
Yxy	3.0818, 0.2246, 0.1470
Android (android.graphics.Color)	4281869415 (0xFF382467)
YUV	49.6180, 26.3173, 5.5970
Hunter-Lab	17.5550, 17.1697, -32.2206

# Details

The YUV color **49.6180, 26.3173, 5.5970** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **89.3820, -26.3173, -5.5970**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.7970, 28.2011, 8.0710**, and **9.8580, 22.2550, 1.8785** is the 20% darker color. If you saturate the color by 10%, you get **41.6550, 30.2431, 6.4416**, and if you desaturate by 10%, it is **57.5810, 22.3916, 4.7525**.

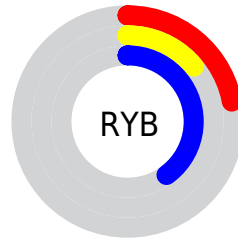
# Distribution



Red (22%)

Green (14%)

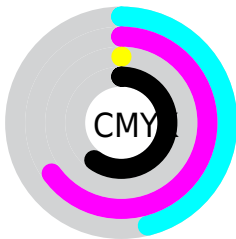
Blue (40%)



Red (22%)

Yellow (14%)

Blue (40%)

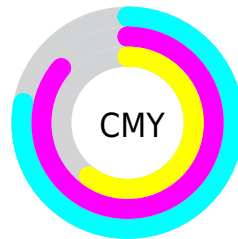


Cyan (46%)

Magenta (65%)

Yellow (0%)

Black (60%)



Cyan (78%)

Magenta (86%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.6180, 26.3173, 5.5970 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 49.6180, 26.3173, 5.5970 by changing the saturation by 10% instead.



■ 49.6180, 26.3173,  
5.5970

■ 49.6180, 26.3173,  
5.5970

■ 255.0000, 0.0000,  
0.0000

■ 27.0800, 25.5966,  
3.4378

■ 97.7970, 28.2011,  
8.0710

■ 9.8580, 22.2550,  
1.8785

■ 122.7370, 29.2167,  
9.0007

■ 4.9360, 13.8356,  
-4.3289

■ 149.2640, 29.9428,  
9.4155

■ 0.6840, 2.6208,  
-0.5999

■ 176.0900, 30.5216,  
10.4451

■ 0.0000, 0.0000,  
0.0000

■ 202.2490, 26.0062,  
12.0596

■ 227.3560, 13.6285,

15.4738

246.7820, 4.0515,  
7.2072

49.6180, 26.3173,  
5.5970

49.6180, 26.3173,  
5.5970

41.6550, 30.2431,  
6.4416

57.5810, 22.3916,  
4.7525

33.1050, 34.4582,  
7.8009

66.1310, 18.1764,  
3.3931

24.8430, 38.5314,  
8.0307

74.3930, 14.1033,  
3.1633

21.0110, 40.4206,  
8.7604

82.3560, 10.1775,  
2.3188

90.9060, 5.9623,  
0.9594

■ 98.8690, 2.0366,  
0.1149

■ 107.1310, -2.0366,  
-0.1149

■ 115.0940, -5.9623,  
-0.9594

■ 123.6440,  
-10.1775, -2.3188

# Harmonies

## Analogous

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



43.1610, 35.9096, -37.8522



49.6180, 26.3173, 5.5970



42.9280, 16.3045, 43.9131

# Triad

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



49.6180, 26.3173, 5.5970



46.2370, -22.7948, 31.3642



43.3650, 6.2291, -38.0311

# Complementary

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



49.6180, 26.3173, 5.5970



89.3820, -26.3173, -5.5970

# 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.



38.2010, -8.4801, -33.5023



49.6180, 26.3173, 5.5970



45.7950, -22.5769, 8.0728

# Square

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



49.6180, 26.3173, 5.5970



40.3180, -15.4398, 52.3411



39.7270, -19.5854, -18.1776



47.0130, 20.2066, -41.2304



# Rectangle

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



49.6180, 26.3173, 5.5970



36.9530, 8.4042, 57.9232



39.7270, -19.5854, -18.1776



41.4100, 1.2769, -36.3166

# Sweetspot

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



49.6180, 26.3173, 5.5970



113.4700, 10.6143, 2.2188



71.8140, 15.3747, -31.4089



55.4330, 6.6885, 1.3743



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



49.6180, 26.3173, 5.5970



51.2390, 41.2942, 8.5604



59.1860, 21.6003, 25.2699



46.8690, 2.0366, 0.1149



23.2760, 45.2199, 9.4049



49.1160, 95.0918, 20.0693



# Inverse Universe

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



61.3910, 10.6532, 36.4911



69.8310, 16.8453, 57.1532



79.8140, -21.6003, -25.2699



47.8370, 0.5734, 2.7740



43.5050, 17.9920, 62.7011

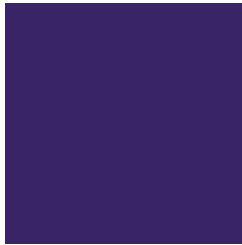


91.7380, 38.5832, 131.7798



# Previews

## White Background



This preview shows how the YUV color 49.6180, 26.3173, 5.5970 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 49.6180, 26.3173, 5.5970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

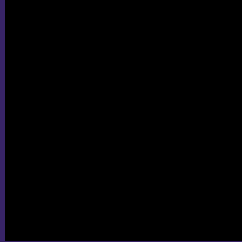
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 49.6180, 26.3173, 5.5970

## Background



This preview shows how black text looks on a background with the YUV color 49.6180, 26.3173, 5.5970.



This preview shows how white text looks on a background with the YUV color 49.6180, 26.3173,



# 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

49.6180, 26.3173, 5.5970

### Protanopia

39.6900, 30.2258, -34.8081

### Deuteranopia

39.9690, 23.6793, -35.0528



## Tritanopia

49.3630, 2.7790, -4.7034

# Trichromacy



## Original Color

49.6180, 26.3173, 5.5970

## Protanomaly

43.4360, 28.8721, -20.5534

## Deuteranomaly

43.5840, 24.3621, -20.6832

## Tritanomaly

49.5620, 11.0619, -1.3699

# Monochromacy



## Original Color

49.6180, 26.3173, 5.5970

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

49.8290, 9.4513, 1.9040

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.6180, 26.3173, 5.5970 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(56, 36, 103)` looks like.

```
.text, #text, p{  
    color:rgb(56, 36, 103)  
}
```

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(56, 36, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 36, 103) }
```

## Border

The CSS property to change the border of an element to YUV 49.6180, 26.3173, 5.5970 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(56, 36, 103) }
```



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

```
.border{ border-color:rgb(56, 36, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 36, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 36, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 36, 103);  
box-shadow:4px 4px 4px 4px rgb(56, 36,  
103) }
```

# Background

The CSS property to change the background color of an element to YUV 49.6180, 26.3173, 5.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 36, 103) }
```

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

```
.background{ background-color: rgb(56, 36,  
103) }
```

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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