

# Converting Colors

YUV(46.8040, 0.5896, -2.4591)

Have a look what the booklet for  
YUV(46.8040, 0.5896, -2.4591)  
contains.

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# Color

**YUV(46.8040, 0.5896,  
-2.4591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C3030
RGB	44, 48, 48
RGB Percent	17%, 19%, 19%
CMY	0.8275, 0.8118, 0.8118
CMYK	0.08, 0.00, 0.00, 0.81
HSL	180°, 4%, 18%
HSV	180°, 8%, 19%
XYZ	2.6292, 2.8628, 3.2103
YIQ	46.8040, -2.3840, -0.8480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 46, 48
Decimal	2895920
CIE Lab	19.49, -1.74, -0.60
CIE LCh	19, 1.842, 199.139
Yxy	2.8628, 0.3021, 0.3290
Android (android.graphics.Color)	4281086000 (0xFF2C3030)
YUV	46.8040, 0.5896, -2.4591
Hunter-Lab	16.9197, -1.8724, 0.5943

# Details

The YUV color **46.8040, 0.5896, -2.4591** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **45.1960, -0.5896, 2.4591**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.5050, 0.7370, -3.0739**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **45.3090, 1.3267, -5.5330**, and if you desaturate by 10%, it is **48.2990, -0.1474, 0.6148**.

# Distribution



Red (17%)

Green (19%)

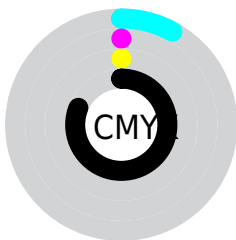
Blue (19%)



Red (17%)

Yellow (18%)

Blue (19%)

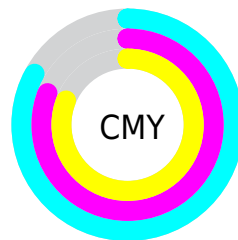


Cyan (8%)

Magenta (0%)

Yellow (0%)

Black (81%)



Cyan (83%)

Magenta (81%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.8040, 0.5896, -2.4591 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 46.8040, 0.5896, -2.4591 by changing the saturation by 10% instead.



■ 46.8040, 0.5896,  
-2.4591

■ 46.8040, 0.5896,  
-2.4591

255.0000, 0.0000,  
0.0000

■ 25.8040, 0.5896,  
-2.4591

■ 92.5050, 0.7370,  
-3.0739

■ 0.0000, 0.0000,  
0.0000

■ 117.5050, 0.7370,  
-3.0739

■ 142.5050, 0.7370,  
-3.0739

■ 169.5050, 0.7370,  
-3.0739

■ 196.5050, 0.7370,  
-3.0739

■ 224.5050, 0.7370,

-3.0739

253.2060, 0.8844,  
-3.6887

46.8040, 0.5896,  
-2.4591

46.8040, 0.5896,  
-2.4591

45.3090, 1.3267,  
-5.5330

48.2990, -0.1474,  
0.6148

43.8140, 2.0637,  
-8.6069

49.7940, -0.8844,  
3.6887

42.6180, 2.6533,  
-11.0660

50.9900, -1.4741,  
6.1478

41.1230, 3.3904,  
-14.1399

52.4850, -2.2111,  
9.2217

39.6280, 4.1274,  
-17.2138

53.9800, -2.9481,  
12.2955

■ 38.1330, 4.8644,  
-20.2876

■ 55.4750, -3.6852,  
15.3694

■ 36.6380, 5.6015,  
-23.3615

■ 56.9700, -4.4222,  
18.4433

■ 35.4420, 6.1911,  
-25.8206

■ 58.1660, -5.0118,  
20.9024

■ 33.9470, 6.9281,  
-28.8945

■ 59.6610, -5.7489,  
23.9763

# Harmonies

## Analogous

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



46.9890, 0.0054, -1.7444



46.8040, 0.5896, -2.4591



46.9180, 1.0264, -2.5591

# Triad

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



46.8040, 0.5896, -2.4591



47.5270, 0.7262, 0.4148



47.3700, -1.1684, 1.4295

# Complementary

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



46.8040, 0.5896, -2.4591



45.1960, -0.5896, 2.4591

# 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.



47.6690, -1.3158, 2.0443



46.8040, 0.5896, -2.4591



47.4240, 0.2840, 2.2592

# Square

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



46.8040, 0.5896, -2.4591



47.3420, 1.3104, -0.2999



47.1960, -0.5896, 2.4591



46.7720, -0.8736, 0.2000



# Rectangle

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



46.8040, 0.5896, -2.4591



47.3310, 1.3158, -2.0443



47.1960, -0.5896, 2.4591



47.3700, -1.1684, 1.4295

# Sweetspot

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



46.8040, 0.5896, -2.4591



60.4020, 0.2948, -1.2296



46.3480, -1.1576, -2.0592



30.4020, 0.2948, -1.2296



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000



# Same Dimension

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



46.8040, 0.5896, -2.4591



59.2060, 0.8844, -3.6887



45.6300, 1.1684, -1.4295



22.4020, 0.2948, -1.2296



60.9870, 12.8244, -53.4856



150.0140, 31.5451, -131.5623



# Inverse Universe

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



45.6520, 1.1576, 2.0592



57.4780, 1.7363, 3.0888



46.3700, -1.1684, 1.4295



21.8260, 0.5788, 1.0296



35.9310, 25.1770, 44.7875

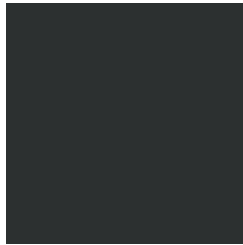


88.3820, 61.9297, 110.1670



# Previews

## White Background



This preview shows how the YUV color 46.8040, 0.5896, -2.4591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

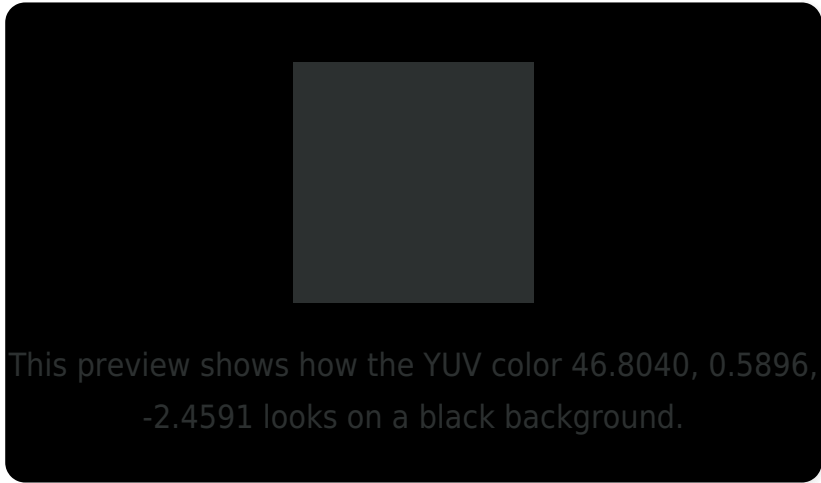
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

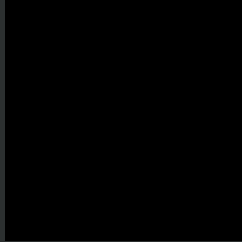
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 46.8040, 0.5896, -2.4591**

## **Background**



This preview shows how black text looks on a background with the YUV color 46.8040, 0.5896, -2.4591.



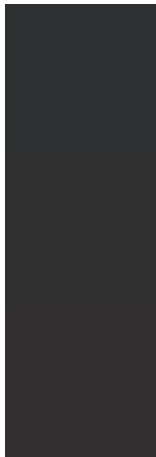
This preview shows how white text looks on a background with the YUV color 46.8040, 0.5896, -2.4591.

-2.4591.

# 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

46.8040, 0.5896, -2.4591

### Protanopia

47.2990, -0.1474, 0.6148

### Deuteranopia

47.7230, 0.1366, 2.8739



**Tritanopia**

46.8580, 2.0420, -1.6295

# Trichromacy



## Original Color

46.8040, 0.5896, -2.4591

## Protanomaly

47.0000, 0.0000, 0.0000

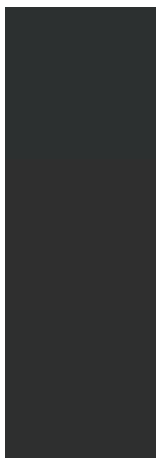
## Deuteranomaly

47.4130, 0.2894, 0.5148

## Tritanomaly

46.7440, 1.6052, -1.5295

# Monochromacy



## Original Color

46.8040, 0.5896, -2.4591

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.7010, 0.1474, -0.6148

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.8040, 0.5896, -2.4591 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, 48, 48)` looks like.

```
.text, #text, p{  
    color:rgb(44, 48, 48)  
}
```

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, 48, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 48, 48) }
```

## Border

The CSS property to change the border of an element to YUV 46.8040, 0.5896, -2.4591 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, 48, 48) }
```



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

```
.border{ border-color:rgb(44, 48, 48) }
```

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

Here you see how a box with a 4 pixel rgb(44, 48, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 48, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 48, 48);  
box-shadow:4px 4px 4px 4px rgb(44, 48, 48)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.8040, 0.5896, -2.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 48, 48) }
```

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

```
.background{ background-color: rgb(44, 48,  
48) }
```

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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