

# Converting Colors

YUV(49.7250, 10.4886, -4.1438)

Have a look what the booklet for  
YUV(49.7250, 10.4886, -4.1438)  
contains.

<b>YUV(49.7250, 10.4886, -4.1438)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(49.7250, 10.4886,  
-4.1438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D3047
RGB	45, 48, 71
RGB Percent	18%, 19%, 28%
CMY	0.8235, 0.8118, 0.7216
CMYK	0.37, 0.32, 0.00, 0.72
HSL	233°, 22%, 23%
HSV	233°, 37%, 28%
XYZ	3.2765, 3.1267, 6.3921
YIQ	49.7250, -9.1710, 6.5170

# Conversions

## Conversions Part 2

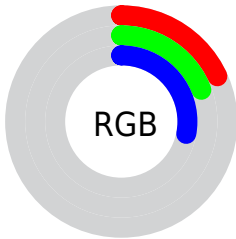
Format	Color
<b>RYB</b>	45, 48, 71
Decimal	2961479
CIELab	20.54, 5.21, -14.72
CIELCh	21, 15.617, 289.480
Yxy	3.1267, 0.2561, 0.2444
Android (android.graphics.Color)	4281151559 (0xFF2D3047)
YUV	49.7250, 10.4886, -4.1438
Hunter-Lab	17.6825, 2.1305, -9.0550

# Details

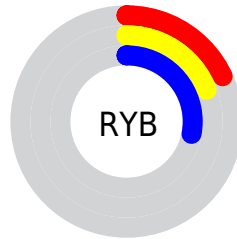
The YUV color **49.7250, 10.4886, -4.1438** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **66.2750, -10.4886, 4.1438**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.3660, 11.6516, -3.8290**, and **3.1920, 12.2303, -2.7994** is the 20% darker color. If you saturate the color by 10%, you get **44.1100, 13.2568, -5.3585**, and if you desaturate by 10%, it is **55.3400, 7.7204, -2.9292**.

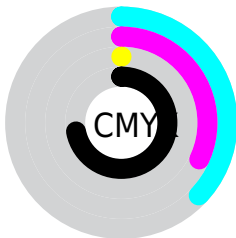
# Distribution



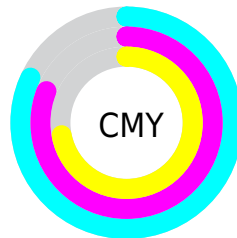
- Red (18%)
- Green (19%)
- Blue (28%)



- Red (18%)
- Yellow (19%)
- Blue (28%)



- Cyan (37%)
- Magenta (32%)
- Yellow (0%)
- Black (72%)



- Cyan (82%)
- Magenta (81%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.7250, 10.4886, -4.1438 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 49.7250, 10.4886, -4.1438 by changing the saturation by 10% instead.



■ 49.7250, 10.4886,  
-4.1438

■ 49.7250, 10.4886,  
-4.1438

■ 255.0000, 0.0000,  
0.0000

■ 28.1980, 9.7624,  
-4.5586

■ 96.3660, 11.6516,  
-3.8290

■ 3.1920, 12.2303,  
-2.7994

■ 121.3660, 11.6516,  
-3.8290

■ 0.0000, 0.0000,  
0.0000

■ 146.5940, 12.5252,  
-4.0289

■ 173.5940, 12.5252,  
-4.0289

■ 200.7080, 12.9620,  
-4.1289

■ 228.7080, 12.9620,

-4.1289

254.4020, 0.2948,  
-1.2296

■ 49.7250, 10.4886,  
-4.1438

■ 49.7250, 10.4886,  
-4.1438

■ 44.1100, 13.2568,  
-5.3585

■ 55.3400, 7.7204,  
-2.9292

■ 37.9080, 16.3144,  
-6.0583

■ 61.5420, 4.6628,  
-2.2293

■ 32.2930, 19.0826,  
-7.2730

■ 67.1570, 1.8946,  
-1.0147

■ 26.6780, 21.8507,  
-8.4876

■ 72.7720, -0.8736,  
0.2000

■ 21.0630, 24.6189,  
-9.7023

■ 78.6860, -3.7892,  
2.0294

■ 14.5620, 27.8239,  
-11.0169

■ 84.8880, -6.8468,  
2.7292

■ 12.7900, 28.6975,  
-11.2168

■ 90.5030, -9.6150,  
3.9439

■ 96.1180, -12.3832,  
5.1585

■ 102.3200,  
-15.4408, 5.8584

# Harmonies

## Analogous

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



46.5060, 12.5685, -17.9838



49.7250, 10.4886, -4.1438



51.0640, 6.3774, 7.8369

# Triad

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



49.7250, 10.4886, -4.1438



50.2210, -8.4900, 16.4692



43.9930, 0.4965, -19.2879

# Complementary

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



49.7250, 10.4886, -4.1438



66.2750, -10.4886, 4.1438

# 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.



46.3380, -6.0826, -9.0664



49.7250, 10.4886, -4.1438



48.9060, -10.7997, 10.6064

# Square

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



49.7250, 10.4886, -4.1438



50.3830, -4.1328, 18.9581



48.0790, -9.8989, 1.6847



41.4630, 7.6597, -30.2241



# Rectangle

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



49.7250, 10.4886, -4.1438



51.2990, 3.3036, 13.7698



48.0790, -9.8989, 1.6847



45.0320, -1.9878, -15.8141

# Sweetspot

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



49.7250, 10.4886, -4.1438



83.7270, 4.0786, -1.5146



62.8840, 2.5222, -15.6843



41.2710, 2.3314, -1.1147



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



49.7250, 10.4886, -4.1438



58.6090, 16.4618, -6.6731



50.9540, 9.8827, 3.5483



33.0430, 1.4578, -0.9147



17.7430, 40.0597, -15.5606



41.1400, 91.6290, -36.0798



# Inverse Universe

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



53.1160, -2.5222, 15.6843



63.8290, -3.8597, 24.7060



65.0460, -9.8827, -3.5483



33.3100, -0.1528, 2.3591



30.8550, -9.7885, 59.7632



70.8370, -22.1046, 136.9550



# Previews

## White Background



This preview shows how the YUV color 49.7250, 10.4886, -4.1438 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

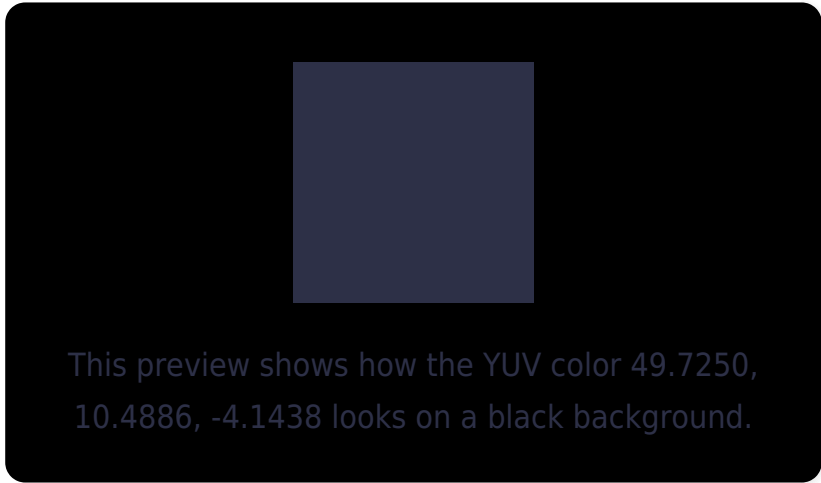
Any Text WCAG AA ✓ Pass

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

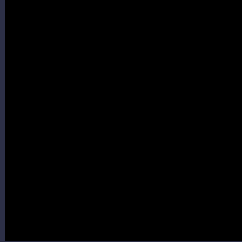
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 49.7250, 10.4886, -4.1438**

## **Background**



This preview shows how black text looks on a background with the YUV color 49.7250, 10.4886, -4.1438.



This preview shows how white text looks on a background with the YUV color 49.7250, 10.4886, -4.1438.

-4.1438.

# 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

49.7250, 10.4886, -4.1438

### Protanopia

49.5290, 11.0782, -6.6029

### Deuteranopia

49.1160, 10.7888, -7.1177



## Tritanopia

48.4660, 3.2213, -6.5477

# Trichromacy



## Original Color

49.7250, 10.4886, -4.1438

## Protanomaly

49.8280, 10.9308, -5.9882

## Deuteranomaly

49.4150, 10.6414, -6.5030

## Tritanomaly

48.8620, 5.9840, -6.0180

# Monochromacy



## Original Color

49.7250, 10.4886, -4.1438

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

49.7270, 4.0786, -1.5146

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.7250, 10.4886, -4.1438 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(45, 48, 71)` looks like.

```
.text, #text, p{  
    color:rgb(45, 48, 71)  
}
```

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(45, 48, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 48, 71) }
```

## Border

The CSS property to change the border of an element to YUV 49.7250, 10.4886, -4.1438 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(45, 48, 71) }
```



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

```
.border{ border-color:rgb(45, 48, 71) }
```

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

Here you see how a box with a 4 pixel rgb(45, 48, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 48, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 48, 71);  
box-shadow:4px 4px 4px 4px rgb(45, 48, 71)  
}
```

# Background

The CSS property to change the background color of an element to YUV 49.7250, 10.4886, -4.1438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 48, 71) }
```

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

```
.background{ background-color: rgb(45, 48,  
71) }
```

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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