

# Converting Colors

YUV(48.4730, 19.4868, 3.0932)

Have a look what the booklet for  
YUV(48.4730, 19.4868, 3.0932)  
contains.

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# Color

**YUV(48.4730, 19.4868,  
3.0932)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	342758
RGB	52, 39, 88
RGB Percent	20%, 15%, 35%
CMY	0.7961, 0.8471, 0.6549
CMYK	0.41, 0.56, 0.00, 0.65
HSL	256°, 39%, 25%
HSV	256°, 56%, 35%
XYZ	3.9031, 2.8857, 9.5838
YIQ	48.4730, -7.9810, 17.9950

# Conversions

## Conversions Part 2

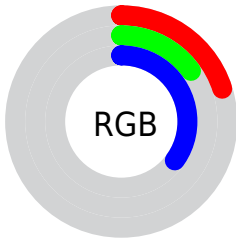
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	52, 39, 88
Decimal	3417944
CIE Lab	19.58, 19.14, -27.62
CIE LCh	20, 33.604, 304.720
Yxy	2.8857, 0.2384, 0.1763
Android (android.graphics.Color)	4281608024 (0xFF342758)
YUV	48.4730, 19.4868, 3.0932
Hunter-Lab	16.9873, 11.2859, -21.5588

# Details

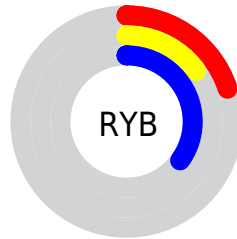
The YUV color **48.4730, 19.4868, 3.0932** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **78.5270, -19.4868, -3.0932**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.2390, 21.0812, 5.0524**, and **7.4790, 17.0189, 1.3339** is the 20% darker color. If you saturate the color by 10%, you get **41.3960, 22.9758, 4.0377**, and if you desaturate by 10%, it is **55.5500, 15.9979, 2.1487**.

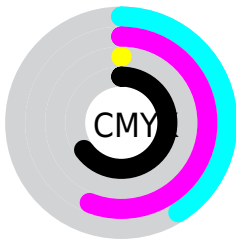
# Distribution



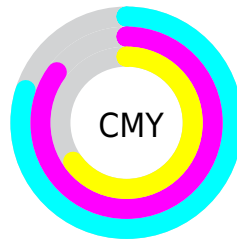
- Red (20%)
- Green (15%)
- Blue (35%)



- Red (20%)
- Yellow (15%)
- Blue (35%)



- Cyan (41%)
- Magenta (56%)
- Yellow (0%)
- Black (65%)



- Cyan (80%)
- Magenta (85%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.4730, 19.4868, 3.0932 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 48.4730, 19.4868, 3.0932 by changing the saturation by 10% instead.



■ 48.4730, 19.4868,  
3.0932

■ 48.4730, 19.4868,  
3.0932

■ 255.0000, 0.0000,  
0.0000

■ 26.2340, 18.6186,  
1.5488

■ 95.2390, 21.0812,  
5.0524

■ 7.4790, 17.0189,  
1.3339

■ 120.7660, 21.8074,  
5.4672

■ 2.8670, 8.4466,  
-2.5144

■ 146.2930, 22.5336,  
5.8820

■ 0.0000, 0.0000,  
0.0000

■ 172.8200, 23.2597,  
6.2969

■ 200.3470, 23.9859,  
6.7117

■ 226.1380, 14.2290,

9.5260

248.5430, 3.1833,  
5.6628

48.4730, 19.4868,  
3.0932

48.4730, 19.4868,  
3.0932

41.3960, 22.9758,  
4.0377

55.5500, 15.9979,  
2.1487

34.0200, 26.6121,  
4.3675

62.9260, 12.3615,  
1.8189

27.5300, 29.8117,  
4.7972

69.4160, 9.1619,  
1.3892

20.1540, 33.4481,  
5.1269

76.7920, 5.5255,  
1.0594

16.9090, 35.0479,  
5.3418

83.8690, 2.0366,  
0.1149

■ 91.2450, -1.5998,  
-0.2149

■ 98.3220, -5.0887,  
-1.1594

■ 105.1110, -8.4357,  
-0.9743

■ 112.1880,  
-11.9247, -1.9189

# Harmonies

## Analogous

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



39.8210, 28.1892, -34.9230



48.4730, 19.4868, 3.0932



47.3360, 10.6804, 27.7693

# Triad

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



48.4730, 19.4868, 3.0932



44.7310, -22.0524, 26.5459



39.8600, 5.4920, -34.9572

# Complementary

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



48.4730, 19.4868, 3.0932



78.5270, -19.4868, -3.0932

# 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.



36.3090, -5.5753, -31.8430



48.4730, 19.4868, 3.0932



44.3330, -21.8562, 10.2320

# Square

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



48.4730, 19.4868, 3.0932



44.5550, -11.6126, 38.1013



40.6680, -20.0493, -9.3558



42.5960, 15.9752, -37.3567



# Rectangle

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



48.4730, 19.4868, 3.0932



44.6810, 4.1013, 37.9908



40.6680, -20.0493, -9.3558



38.8340, 1.5608, -34.0574

# Sweetspot

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



48.4730, 19.4868, 3.0932



98.7750, 7.9989, 1.0743



66.3050, 10.6956, -23.9465



49.2650, 4.7994, 0.6446



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



48.4730, 19.4868, 3.0932



52.7580, 30.6853, 4.5972



55.6490, 15.9490, 17.8478



39.7550, 1.5998, 0.2149



20.5700, 42.6100, 6.5161



45.3280, 93.5083, 14.6213



# Inverse Universe

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



57.7550, 8.5018, 26.5249



67.4070, 13.1103, 41.7391



71.3510, -15.9490, -17.8478



40.5380, 0.7208, 2.1592



40.9990, 18.7345, 57.8829



89.8730, 40.4886, 127.2764



# Previews

## White Background



This preview shows how the YUV color 48.4730, 19.4868, 3.0932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

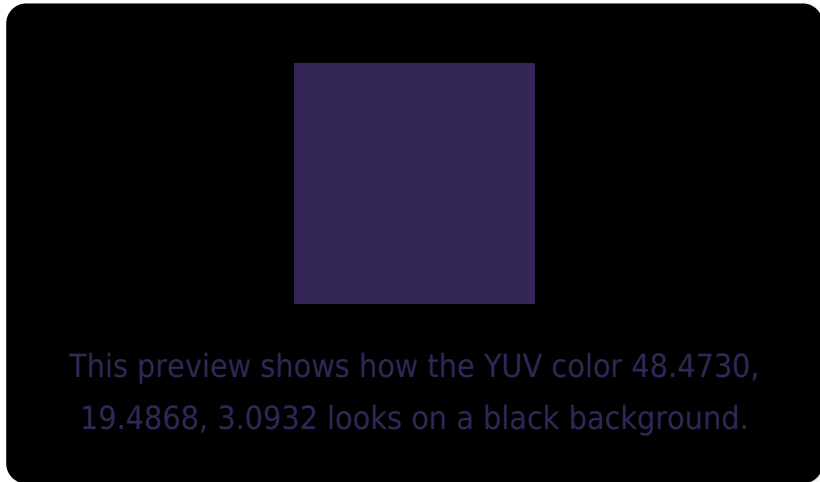
Any Text WCAG AA ✓ Pass

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 48.4730, 19.4868, 3.0932

## Background



This preview shows how black text looks on a background with the YUV color 48.4730, 19.4868, 3.0932.



This preview shows how white text looks on a background with the YUV color 48.4730, 19.4868,



# 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

48.4730, 19.4868, 3.0932

### Protanopia

42.0180, 26.1201, -24.5718

### Deuteranopia

40.3610, 22.5000, -30.1346



## Tritanopia

47.2600, 2.3368, -2.8590

# Trichromacy



## Original Color

48.4730, 19.4868, 3.0932

## Protanomaly

44.1010, 23.6142, -14.1206

## Deuteranomaly

43.2100, 21.5885, -17.7242

## Tritanomaly

47.8780, 8.4411, -0.7700

# Monochromacy



## Original Color

48.4730, 19.4868, 3.0932

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

48.2480, 7.2727, 0.6595

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.4730, 19.4868, 3.0932 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, 39, 88)` looks like.

```
.text, #text, p{  
  color:rgb(52, 39, 88)  
}
```

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, 39, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 39, 88) }
```

## Border

The CSS property to change the border of an element to YUV 48.4730, 19.4868, 3.0932 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, 39, 88) }
```



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

```
.border{ border-color:rgb(52, 39, 88) }
```

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

Here you see how a box with a 4 pixel rgb(52, 39, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 39, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 39, 88);  
box-shadow:4px 4px 4px 4px rgb(52, 39, 88)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.4730, 19.4868, 3.0932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 39, 88) }
```

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

```
.background{ background-color: rgb(52, 39,  
88) }
```

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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