

# Converting Colors

YUV(49.0730, -3.9800, 16.5990)

Have a look what the booklet for  
YUV(49.0730, -3.9800, 16.5990)  
contains.

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# Color

**YUV(49.0730, -3.9800,  
16.5990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	442929
RGB	68, 41, 41
RGB Percent	27%, 16%, 16%
CMY	0.7333, 0.8392, 0.8392
CMYK	0.00, 0.40, 0.40, 0.73
HSL	0°, 25%, 21%
HSV	0°, 40%, 27%
XYZ	3.5771, 2.9749, 2.4835
YIQ	49.0730, 16.0920, 5.7240

# Conversions

## Conversions Part 2

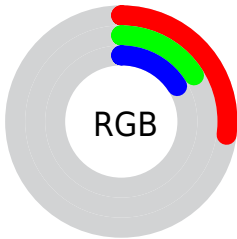
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">68, 41, 41</a>
Decimal	<a href="#">4466985</a>
CIELab	<a href="#">19.94, 12.63, 5.25</a>
CIElCh	<a href="#">20, 13.679, 22.576</a>
Yxy	<a href="#">2.9749, 0.3959, 0.3292</a>
Android (android.graphics.Color)	<a href="#">4282657065 (0xFF442929)</a>
YUV	<a href="#">49.0730, -3.9800, 16.5990</a>
Hunter-Lab	<a href="#">17.2479, 6.8354, 3.5365</a>

# Details

The YUV color **49.0730, -3.9800, 16.5990** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **59.9270, 3.9800, -16.5990**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.8560, -4.8590, 18.5433**, and **7.5890, -3.2484, 15.2694** is the 20% darker color. If you saturate the color by 10%, you get **44.1660, -5.0118, 20.9024**, and if you desaturate by 10%, it is **53.9800, -2.9481, 12.2955**.

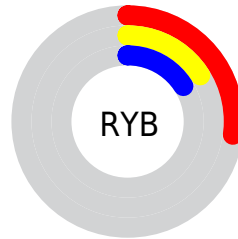
# Distribution



Red (27%)

Green (16%)

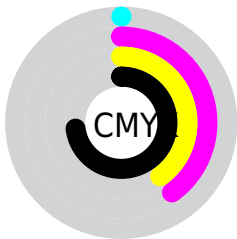
Blue (16%)



Red (27%)

Yellow (16%)

Blue (16%)

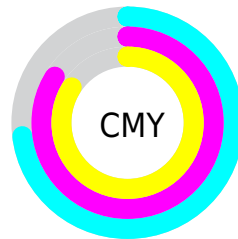


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (73%)



Cyan (73%)

Magenta (84%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.0730, -3.9800, 16.5990 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 49.0730, -3.9800, 16.5990 by changing the saturation by 10% instead.



■ 49.0730, -3.9800,  
16.5990

■ 49.0730, -3.9800,  
16.5990

■ 255.0000, 0.0000,  
0.0000

■ 27.5890, -3.2484,  
15.2694

■ 95.8560, -4.8590,  
18.5433

■ 7.5890, -3.2484,  
15.2694

■ 120.4540, -5.1538,  
19.7728

■ 0.0000, 0.0000,  
0.0000

■ 146.1660, -5.0118,  
20.9024

■ 173.3510, -5.5960,  
21.6172

■ 200.6500, -5.7434,  
22.2320

■ 228.9490, -5.8909,

22.8467

248.5770, -1.7635,  
5.6330

49.0730, -3.9800,  
16.5990

49.0730, -3.9800,  
16.5990

44.1660, -5.0118,  
20.9024

53.9800, -2.9481,  
12.2955

39.2590, -6.0437,  
25.2059

58.8870, -1.9163,  
7.9921

35.0530, -6.9281,  
28.8945

63.0930, -1.0318,  
4.3034

30.1460, -7.9600,  
33.1980

68.0000, 0.0000,  
0.0000

25.2390, -8.9918,  
37.5014

72.9070, 1.0318,  
-4.3034

■ 20.3320, -10.0237,  
41.8048

■ 77.8140, 2.0637,  
-8.6069

■ 82.7210, 3.0955,  
-12.9103

■ 86.9270, 3.9800,  
-16.5990

■ 91.8340, 5.0118,  
-20.9024

# Harmonies

## Analogous

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



49.6150, 0.6828, 14.3696



49.0730, -3.9800, 16.5990



48.4380, -7.6109, 14.5249

# Triad

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



49.0730, -3.9800, 16.5990



45.3920, -4.6303, -8.2368



46.3710, 10.6631, -13.4804

# Complementary

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



49.0730, -3.9800, 16.5990



59.9270, 3.9800, -16.5990

# 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.



42.9030, 10.4008, -22.7169



49.0730, -3.9800, 16.5990



43.4170, 0.7804, -17.0287

# Square

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



49.0730, -3.9800, 16.5990



46.7090, -8.7305, 0.2552



42.4530, 6.1857, -24.0763



48.9810, 8.8834, -2.6143



# Rectangle

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



49.0730, -3.9800, 16.5990



48.2480, -9.4893, 10.3065



42.4530, 6.1857, -24.0763



45.3490, 10.6739, -16.9691

# Sweetspot

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



49.0730, -3.9800, 16.5990



81.9900, -1.4741, 6.1478



52.1510, 7.8136, 13.8996



41.0930, -1.0318, 4.3034



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.



49.0730, -3.9800, 16.5990



58.8570, -6.3385, 26.4354



57.2910, -8.0315, 9.3918



30.8970, -0.4422, 1.8443



29.0030, -14.2985, 59.6334



66.9760, -33.0192, 137.7100



# Inverse Universe

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



59.9270, 3.9800, -16.5990



76.1430, 6.3385, -26.4354



52.2960, 7.7421, -9.9066



32.1030, 0.4422, -1.8443



67.9970, 14.2985, -59.6334



157.0240, 33.0192, -137.7100



# Previews

## White Background



This preview shows how the YUV color 49.0730, -3.9800, 16.5990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

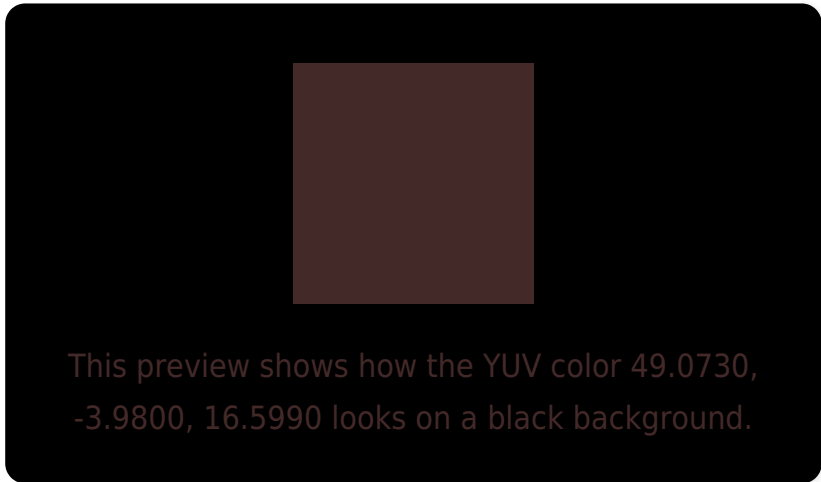
Any Text WCAG AA ✓ Pass

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

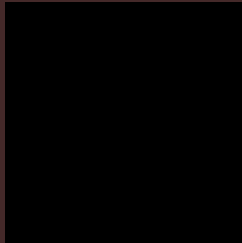
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 49.0730, -3.9800, 16.5990

## Background



This preview shows how black text looks on a background with the YUV color 49.0730, -3.9800, 16.5990.



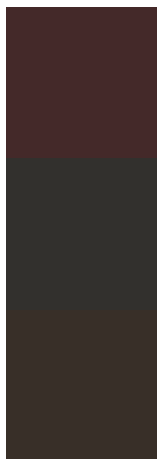
This preview shows how white text looks on a background with the YUV color 49.0730, -3.9800,



# 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

49.0730, -3.9800, 16.5990

### Protanopia

48.2560, -1.6052, 1.5295

### Deuteranopia

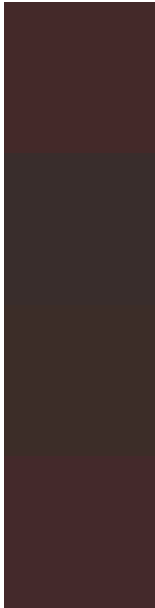
48.8930, -4.3842, 6.2328



## Tritanopia

49.4150, -2.6696, 16.2990

# Trichromacy



## Original Color

49.0730, -3.9800, 16.5990

## Protanomaly

48.4740, -2.2057, 7.4773

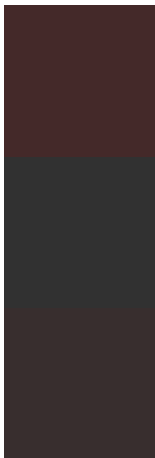
## Deuteranomaly

48.9150, -4.3951, 9.7215

## Tritanomaly

49.3010, -3.1064, 16.3990

# Monochromacy



## Original Color

49.0730, -3.9800, 16.5990

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.9900, -1.4741, 6.1478

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.0730, -3.9800, 16.5990 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(68, 41, 41)` looks like.

```
.text, #text, p{  
    color:rgb(68, 41, 41)  
}
```

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(68, 41, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 41, 41) }
```

## Border

The CSS property to change the border of an element to YUV 49.0730, -3.9800, 16.5990 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(68, 41, 41) }
```



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

```
.border{ border-color:rgb(68, 41, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 41, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 41, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 41, 41);  
box-shadow:4px 4px 4px 4px rgb(68, 41, 41)  
}
```

# Background

The CSS property to change the background color of an element to YUV 49.0730, -3.9800, 16.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 41, 41) }
```

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

```
.background{ background-color: rgb(68, 41,  
41) }
```

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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