

# Converting Colors

YUV(47.6940, 10.9969, 19.5624)

Have a look what the booklet for  
YUV(47.6940, 10.9969, 19.5624)  
contains.

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# Color

**YUV(47.6940, 10.9969,  
19.5624)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	462046
RGB	70, 32, 70
RGB Percent	27%, 13%, 27%
CMY	0.7255, 0.8745, 0.7255
CMYK	0.00, 0.54, 0.00, 0.73
HSL	300°, 37%, 20%
HSV	300°, 54%, 27%
XYZ	4.1478, 2.7773, 6.1118
YIQ	47.6940, 10.4500, 19.8740

# Conversions

## Conversions Part 2

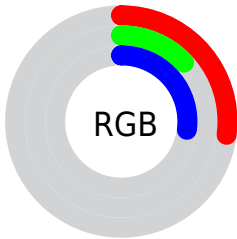
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 32, 70
Decimal	4595782
CIELab	19.13, 24.62, -16.01
CIELCh	19, 29.364, 326.960
Yxy	2.7773, 0.3182, 0.2130
Android (android.graphics.Color)	4282785862 (0xFF462046)
YUV	47.6940, 10.9969, 19.5624
Hunter-Lab	16.6653, 15.2623, -10.0783

# Details

The YUV color **47.6940, 10.9969, 19.5624** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **54.3060, -10.9969, -19.5624**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.1180, 11.2808, 21.8215**, and **11.4500, 7.6662, 14.5144** is the 20% darker color. If you saturate the color by 10%, you get **43.5850, 13.0226, 23.1660**, and if you desaturate by 10%, it is **51.8030, 8.9711, 15.9588**.

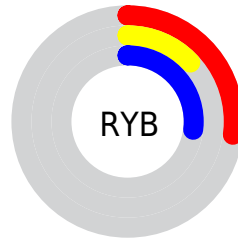
# Distribution



Red (27%)

Green (13%)

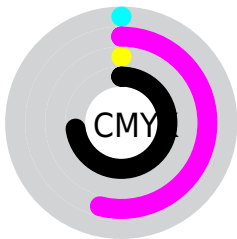
Blue (27%)



Red (27%)

Yellow (13%)

Blue (27%)

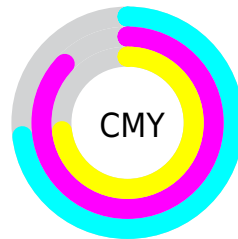


Cyan (0%)

Magenta (54%)

Yellow (0%)

Black (73%)



Cyan (73%)

Magenta (87%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 47.6940, 10.9969, 19.5624 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 47.6940, 10.9969, 19.5624 by changing the saturation by 10% instead.



47.6940, 10.9969,  
19.5624

47.6940, 10.9969,  
19.5624

255.0000, 0.0000,  
0.0000

25.2810, 10.7075,  
19.0476

95.1180, 11.2808,  
21.8215

11.4500, 7.6662,  
14.5144

119.9440, 11.8596,  
22.8511

0.0000, 0.0000,  
0.0000


146.3570, 12.1490,  
23.3659


172.7700, 12.4384,  
23.8807


200.4820, 12.5804,  
25.0103


227.9980, 13.3120,

23.6808


 244.4340, 5.2090,  
9.2664


 47.6940, 10.9969,  
19.5624


 47.6940, 10.9969,  
19.5624


 43.5850, 13.0226,  
23.1660


 51.8030, 8.9711,  
15.9588


 39.4760, 15.0483,  
26.7695


 55.9120, 6.9454,  
12.3552


 35.3670, 17.0741,  
30.3731

 60.0210, 4.9196,  
8.7516

 31.2580, 19.0998,  
33.9767

 64.1300, 2.8939,  
5.1480

 28.9100, 20.2574,  
36.0359

 68.2390, 0.8682,  
1.5444

■ 72.3480, -1.1576,  
-2.0592

■ 76.4570, -3.1833,  
-5.6628

■ 80.5660, -5.2090,  
-9.2664

■ 84.6750, -7.2348,  
-12.8700

# Harmonies

## Analogous

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



46.9020, 18.7823, -4.2991



47.6940, 10.9969, 19.5624



45.1920, 2.3703, 33.1576

# Triad

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



47.6940, 10.9969, 19.5624



44.0560, -21.7196, 13.1059



40.2820, 12.1860, -35.3273

# Complementary

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



47.6940, 10.9969, 19.5624



54.3060, -10.9969, -19.5624

# 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.



37.7740, 2.5764, -33.1278



47.6940, 10.9969, 19.5624



41.8260, -19.6342, -2.4784

# Square

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



47.6940, 10.9969, 19.5624



44.4690, -17.9792, 26.7757



36.2880, -7.0440, -27.4396



41.0460, 20.1903, -35.9973



# Rectangle

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



47.6940, 10.9969, 19.5624



44.6670, -4.7658, 35.3720



36.2880, -7.0440, -27.4396



39.4840, 9.1284, -34.6275

# Sweetspot

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



47.6940, 10.9969, 19.5624



83.1950, 4.3409, 7.7220



36.3320, 16.5983, -3.7992



40.7170, 2.6045, 4.6332



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.



47.6940, 10.9969, 19.5624



56.7800, 17.3635, 30.8879



45.5280, 2.6977, 21.4619



33.6520, 1.1576, 2.0592



40.8870, 28.6497, 50.9651



93.7510, 65.6918, 116.8594



# Inverse Universe

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



47.6940, 10.9969, 19.5624



56.7800, 17.3635, 30.8879



56.4720, -2.6977, -21.4619



33.6520, 1.1576, 2.0592



40.8870, 28.6497, 50.9651

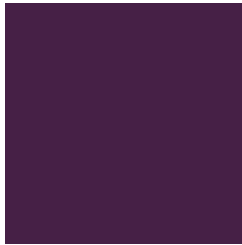


93.7510, 65.6918, 116.8594



# Previews

## White Background



This preview shows how the YUV color 47.6940, 10.9969, 19.5624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

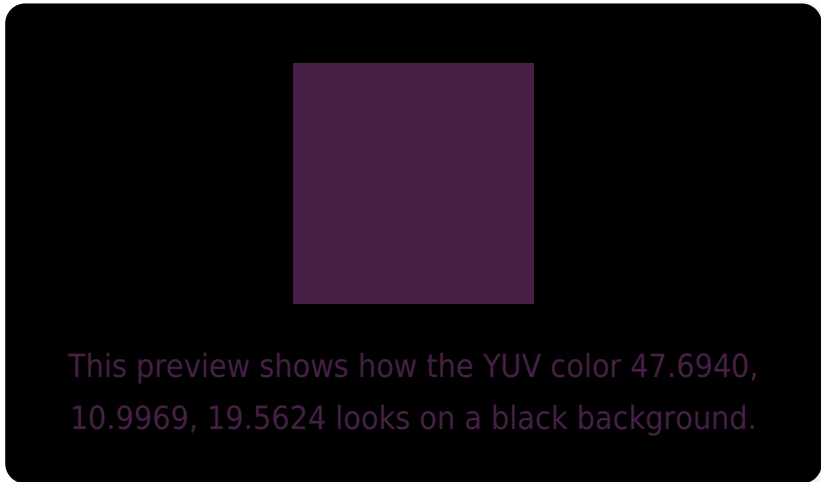
Any Text WCAG AA ✓ Pass

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 47.6940, 10.9969, 19.5624

## Background



This preview shows how black text looks on a background with the YUV color 47.6940, 10.9969, 19.5624.



This preview shows how white text looks on a background with the YUV color 47.6940, 10.9969,



# 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

47.6940, 10.9969, 19.5624

### Protanopia

45.6190, 17.9358, -12.8209

### Deuteranopia

47.1870, 9.7678, -6.3030



## Tritanopia

47.7140, -2.8170, 16.9138

# Trichromacy



## Original Color

47.6940, 10.9969, 19.5624

## Protanomaly

46.4140, 15.5719, -1.2401

## Deuteranomaly

47.6550, 10.0301, 2.9336

## Tritanomaly

47.3920, 2.2717, 18.0732

# Monochromacy



## Original Color

47.6940, 10.9969, 19.5624

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

47.7820, 4.0515, 7.2072

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.6940, 10.9969, 19.5624 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(70, 32, 70)` looks like.

```
.text, #text, p{  
    color:rgb(70, 32, 70)  
}
```

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(70, 32, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 32, 70) }
```

## Border

The CSS property to change the border of an element to YUV 47.6940, 10.9969, 19.5624 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(70, 32, 70) }
```



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

```
.border{ border-color:rgb(70, 32, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 32, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 32, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 32, 70);  
box-shadow:4px 4px 4px 4px rgb(70, 32, 70)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.6940, 10.9969, 19.5624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 32, 70) }
```

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

```
.background{ background-color: rgb(70, 32,  
70) }
```

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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