

# Converting Colors

YUV(72.2170, 0.8790, -1.9443)

Have a look what the booklet for  
YUV(72.2170, 0.8790, -1.9443)  
contains.

<b>YUV(72.2170, 0.8790, -1.9443)</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(72.2170, 0.8790,  
-1.9443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46494A
RGB	70, 73, 74
RGB Percent	27%, 29%, 29%
CMY	0.7255, 0.7137, 0.7098
CMYK	0.05, 0.01, 0.00, 0.71
HSL	195°, 3%, 28%
HSV	195°, 5%, 29%
XYZ	6.1444, 6.5616, 7.4212
YIQ	72.2170, -2.1090, -0.3250

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 72, 74
Decimal	4606282
CIE Lab	30.79, -1.00, -1.03
CIE LCh	31, 1.434, 225.831
Yxy	6.5616, 0.3053, 0.3260
Android (android.graphics.Color)	4282796362 (0xFF46494A)
YUV	72.2170, 0.8790, -1.9443
Hunter-Lab	25.6156, -2.0109, 0.7537

# Details

The YUV color **72.2170, 0.8790, -1.9443** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **71.7830, -0.8790, 1.9443**, and the grayscale version is **72.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.9180, 1.0264, -2.5591**, and **29.1030, 0.4422, -1.8443** is the 20% darker color. If you saturate the color by 10%, you get **68.9500, 2.4897, -5.2181**, and if you desaturate by 10%, it is **75.4840, -0.7316, 1.3295**.

# Distribution



 Red (27%)

 Green (29%)

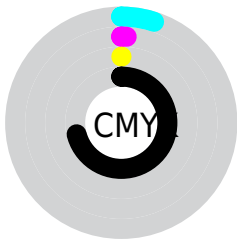
 Blue (29%)



 Red (27%)

 Yellow (28%)

 Blue (29%)

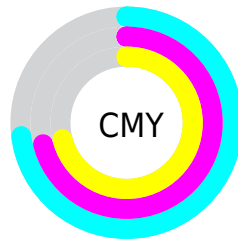


 Cyan (5%)

 Magenta (1%)

 Yellow (0%)

 Black (71%)



 Cyan (73%)

 Magenta (71%)

 Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 72.2170, 0.8790, -1.9443 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 72.2170, 0.8790, -1.9443 by changing the saturation by 10% instead.



■ 72.2170, 0.8790,  
-1.9443

■ 72.2170, 0.8790,  
-1.9443

255.0000, 0.0000,  
0.0000

■ 50.1030, 0.4422,  
-1.8443

■ 120.9180, 1.0264,  
-2.5591

■ 29.1030, 0.4422,  
-1.8443

■ 146.2170, 0.8790,  
-1.9443

■ 2.9180, 1.0264,  
-2.5591

■ 172.9180, 1.0264,  
-2.5591

■ 0.0000, 0.0000,  
0.0000

■ 200.2170, 0.8790,  
-1.9443

■ 228.2170, 0.8790,  
-1.9443

254.7010, 0.1474,

-0.6148

■ 72.2170, 0.8790,  
-1.9443

■ 72.2170, 0.8790,  
-1.9443

■ 68.9500, 2.4897,  
-5.2181

■ 75.4840, -0.7316,  
1.3295

■ 65.3840, 4.2477,  
-9.1068

■ 79.0500, -2.4897,  
5.2181

■ 62.1170, 5.8583,  
-12.3806

■ 82.3170, -4.1003,  
8.4920

■ 59.1380, 7.3270,  
-16.7840

■ 85.2960, -5.5689,  
12.8954

■ 55.8710, 8.9376,  
-20.0579

■ 88.5630, -7.1796,  
16.1692

■ 52.6040, 10.5482,  
-23.3317

■ 91.8300, -8.7902,  
19.4431

■ 49.0380, 12.3063,  
-27.2203

■ 95.3960, -10.5482,  
23.3317

■ 45.7710, 13.9169,  
-30.4942

■ 98.6630, -12.1589,  
26.6055

■ 42.2050, 15.6749,  
-34.3828

■ 102.2290,  
-13.9169, 30.4942

# Harmonies

## Analogous

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



72.1030, 0.4422, -1.8443



72.2170, 0.8790, -1.9443



72.6300, 1.1684, -1.4295

# Triad

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



72.2170, 0.8790, -1.9443



72.7120, 0.1420, 1.1296



72.6580, -1.3104, 0.2999

# Complementary

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



72.2170, 0.8790, -1.9443



71.7830, -0.8790, 1.9443

# 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.



72.3700, -1.1684, 1.4295



72.2170, 0.8790, -1.9443



72.8970, -0.4422, 1.8443

# Square

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



72.2170, 0.8790, -1.9443



72.5270, 0.7262, 0.4148



72.7830, -0.8790, 1.9443



72.1740, -0.5788, -1.0296



# Rectangle

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



72.2170, 0.8790, -1.9443



72.3420, 1.3104, -0.2999



72.7830, -0.8790, 1.9443



72.0710, -1.0210, 0.8147

# Sweetspot

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



72.2170, 0.8790, -1.9443



95.8150, 0.5842, -0.7148



72.4620, -0.7208, -2.1592



47.7010, 0.1474, -0.6148



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000



# Same Dimension

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



72.2170, 0.8790, -1.9443



94.0320, 1.4632, -2.6591



71.0430, 1.4578, -0.9147



37.4020, 0.2948, -1.2296



56.2400, 22.5597, -49.3225



127.1840, 50.6883, -111.5404



# Inverse Universe

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



71.5380, 0.7208, 2.1592



93.2500, 0.8628, 3.2888



72.9570, -1.4578, 0.9147



36.8260, 0.5788, 1.0296



39.1620, 18.1611, 55.1089

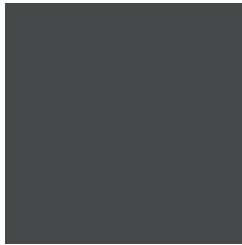


88.3780, 41.2256, 124.2025



# Previews

## White Background



This preview shows how the YUV color 72.2170, 0.8790, -1.9443 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

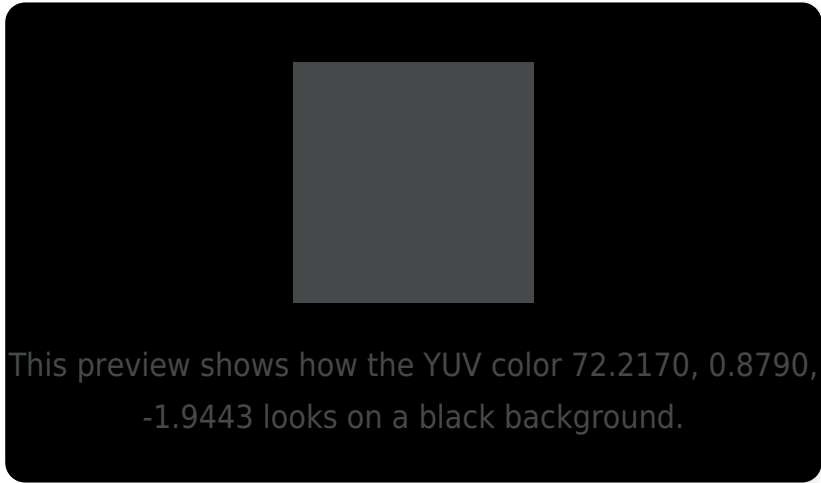
Any Text WCAG AA ✓ Pass

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

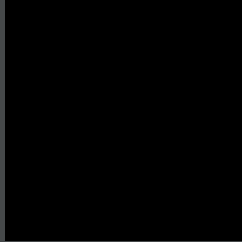
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

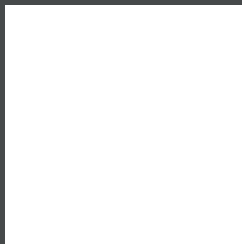
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 72.2170, 0.8790, -1.9443

## Background



This preview shows how black text looks on a background with the YUV color 72.2170, 0.8790, -1.9443.



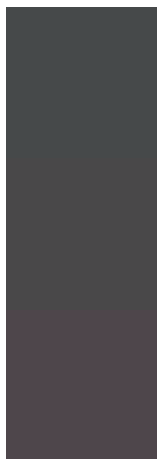
This preview shows how white text looks on a background with the YUV color 72.2170, 0.8790,

-1.9443.

# 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

72.2170, 0.8790, -1.9443

### Protanopia

72.4130, 0.2894, 0.5148

### Deuteranopia

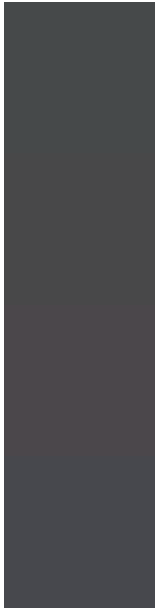
72.9620, 1.0047, 4.4183



**Tritanopia**

72.3850, 2.7682, -1.2146

# Trichromacy



## Original Color

72.2170, 0.8790, -1.9443

## Protanomaly

72.1140, 0.4368, -0.1000

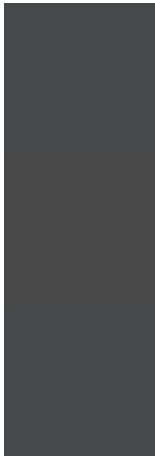
## Deuteranomaly

72.6520, 1.1576, 2.0592

## Tritanomaly

72.2710, 2.3314, -1.1147

# Monochromacy



## Original Color

72.2170, 0.8790, -1.9443

## Achromatopsia

72.0000, 0.0000, 0.0000

## Achromatomaly

71.8150, 0.5842, -0.7148

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 72.2170, 0.8790, -1.9443 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, 73, 74)` looks like.

```
.text, #text, p{  
    color:rgb(70, 73, 74)  
}
```

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, 73, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 73, 74) }
```

## Border

The CSS property to change the border of an element to YUV 72.2170, 0.8790, -1.9443 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, 73, 74) }
```



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

```
.border{ border-color:rgb(70, 73, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 73, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 73, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 73, 74);  
box-shadow:4px 4px 4px 4px rgb(70, 73, 74)  
}
```

# Background

The CSS property to change the background color of an element to YUV 72.2170, 0.8790, -1.9443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 73, 74) }
```

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

```
.background{ background-color: rgb(70, 73,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor