

# Converting Colors

YUV(50.3270, 0.8248, 15.4992)

Have a look what the booklet for  
YUV(50.3270, 0.8248, 15.4992)  
contains.

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# Color

**YUV(50.3270, 0.8248,  
15.4992)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	442934
RGB	68, 41, 52
RGB Percent	27%, 16%, 20%
CMY	0.7333, 0.8392, 0.7961
CMYK	0.00, 0.40, 0.24, 0.73
HSL	336°, 25%, 21%
HSV	336°, 40%, 27%
XYZ	3.7967, 3.0628, 3.6399
YIQ	50.3270, 12.5610, 9.1450

# Conversions

## Conversions Part 2

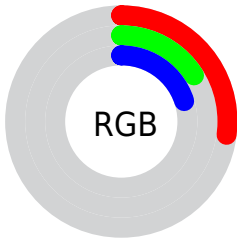
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">68, 41, 52</a>
Decimal	<a href="#">4466996</a>
CIELab	<a href="#">20.29, 14.48, -1.85</a>
CIElCh	<a href="#">20, 14.600, 352.710</a>
Yxy	<a href="#">3.0628, 0.3616, 0.2917</a>
Android (android.graphics.Color)	<a href="#">4282657076 (0xFF442934)</a>
YUV	<a href="#">50.3270, 0.8248, 15.4992</a>
Hunter-Lab	<a href="#">17.5007, 8.0981, -0.0809</a>

# Details

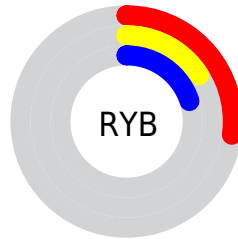
The YUV color **50.3270, 0.8248, 15.4992** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **58.6730, -0.8248, -15.4992**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.2240, 0.3826, 17.3436**, and **8.7570, -1.3592, 15.9991** is the 20% darker color. If you saturate the color by 10%, you get **45.7620, 1.1033, 19.5027**, and if you desaturate by 10%, it is **54.8920, 0.5462, 11.4957**.

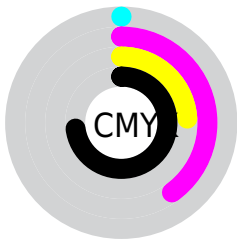
# Distribution



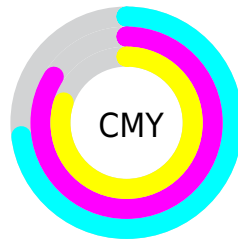
- Red (27%)
- Green (16%)
- Blue (20%)



- Red (27%)
- Yellow (16%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (24%)
- Black (73%)



- Cyan (73%)
- Magenta (84%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.3270, 0.8248, 15.4992 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 50.3270, 0.8248, 15.4992 by changing the saturation by 10% instead.



■ 50.3270, 0.8248,  
15.4992

■ 50.3270, 0.8248,  
15.4992

■ 255.0000, 0.0000,  
0.0000

■ 28.7290, 1.1196,  
14.2697

■ 97.2240, 0.3826,  
17.3436

■ 8.7570, -1.3592,  
15.9991

■ 121.9360, 0.5246,  
18.4731

■ 0.0000, 0.0000,  
0.0000

■ 147.9360, 0.5246,  
18.4731

■ 174.6480, 0.6665,  
19.6027

■ 201.9470, 0.5191,  
20.2175

■ 230.2460, 0.3717,

20.8323

250.3040, 2.3151,  
4.1184

50.3270, 0.8248,  
15.4992

50.3270, 0.8248,  
15.4992

45.7620, 1.1033,  
19.5027

54.8920, 0.5462,  
11.4957

41.1970, 1.3819,  
23.5062

59.4570, 0.2677,  
7.4922

37.2190, 1.3710,  
26.9949

63.4350, 0.2785,  
4.0035

32.6540, 1.6496,  
30.9984

68.0000, 0.0000,  
0.0000

28.0890, 1.9281,  
35.0019

72.5650, -0.2785,  
-4.0035

■ 23.5240, 2.2067,  
39.0055

■ 77.1300, -0.5571,  
-8.0070

■ 81.6950, -0.8356,  
-12.0105

■ 85.6730, -0.8248,  
-15.4992

■ 90.2380, -1.1033,  
-19.5027

# Harmonies

## Analogous

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



50.2490, 5.7932, 8.5516



50.3270, 0.8248, 15.4992



49.6710, -4.2748, 17.8285

# Triad

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



50.3270, 0.8248, 15.4992



47.5950, -9.1673, 0.3552



42.8210, 11.4272, -25.2760

# Complementary

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



50.3270, 0.8248, 15.4992



58.6730, -0.8248, -15.4992

# 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.



42.0720, 7.3595, -27.2501



50.3270, 0.8248, 15.4992



45.9790, -4.9196, -8.7516

# Square

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



50.3270, 0.8248, 15.4992



48.4220, -10.0680, 9.2769



44.1070, 0.9332, -19.3878



46.8870, 11.3947, -14.8099



# Rectangle

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



50.3270, 0.8248, 15.4992



49.5630, -7.1796, 16.1692



44.1070, 0.9332, -19.3878



42.1690, 10.2697, -27.3352

# Sweetspot

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



50.3270, 0.8248, 15.4992



82.4460, 0.2731, 5.7479



48.8620, 9.4350, 7.1370



41.4350, 0.2785, 4.0035



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.



50.3270, 0.8248, 15.4992



60.9090, 1.5239, 24.6358



50.2470, -4.5588, 15.5694



31.0110, -0.0054, 1.7444



33.4490, 2.7366, 55.7342



77.3500, 6.7295, 128.6121



# Inverse Universe

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



50.3270, 0.8248, 15.4992



60.9090, 1.5239, 24.6358



58.7530, 4.5588, -15.5694



31.0110, -0.0054, 1.7444



33.4490, 2.7366, 55.7342



77.3500, 6.7295, 128.6121



# Previews

## White Background



This preview shows how the YUV color 50.3270, 0.8248, 15.4992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

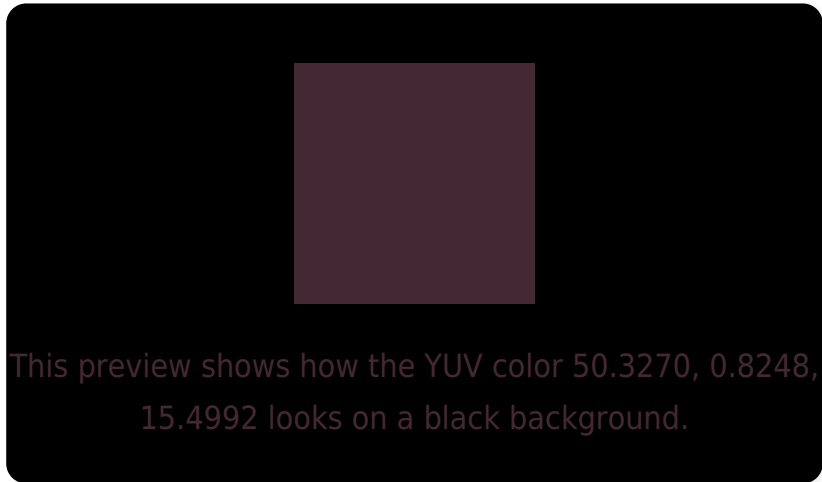
Any Text WCAG AA ✓ Pass

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

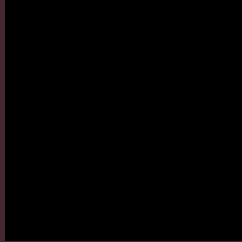
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 50.3270, 0.8248, 15.4992**

## **Background**



This preview shows how black text looks on a background with the YUV color 50.3270, 0.8248, 15.4992.



This preview shows how white text looks on a background with the YUV color 50.3270, 0.8248,



# 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

50.3270, 0.8248, 15.4992

### Protanopia

49.6130, 3.6418, -1.4146

### Deuteranopia

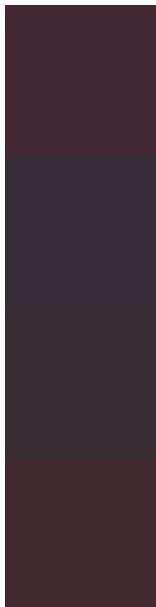
49.8370, 0.5734, 2.7740



## Tritanopia

49.8170, -2.3748, 15.0695

# Trichromacy



## Original Color

50.3270, 0.8248, 15.4992

## Protanomaly

49.7170, 2.6045, 4.6332

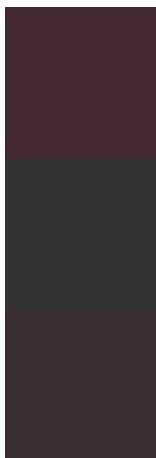
## Deuteranomaly

49.5710, 0.7045, 7.3922

## Tritanomaly

50.1590, -1.0644, 14.7696

# Monochromacy



## Original Color

50.3270, 0.8248, 15.4992

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

50.4460, 0.2731, 5.7479

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.3270, 0.8248, 15.4992 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(68, 41, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 41, 52) }
```

## Border

The CSS property to change the border of an element to YUV 50.3270, 0.8248, 15.4992 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, 52) }
```



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

```
.border{ border-color:rgb(68, 41, 52) }
```

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, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 41, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 41, 52);  
box-shadow:4px 4px 4px 4px rgb(68, 41, 52)  
}
```

# Background

The CSS property to change the background color of an element to YUV 50.3270, 0.8248, 15.4992 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, 52) }
```

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

```
.background{ background-color: rgb(68, 41,  
52) }
```

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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