

# Converting Colors

YUV(42.8150, 4.0352, 12.4402)

Have a look what the booklet for  
YUV(42.8150, 4.0352, 12.4402)  
contains.

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# Color

**YUV(42.8150, 4.0352,  
12.4402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	392233
RGB	57, 34, 51
RGB Percent	22%, 13%, 20%
CMY	0.7765, 0.8667, 0.8000
CMYK	0.00, 0.40, 0.11, 0.78
HSL	316°, 25%, 18%
HSV	316°, 40%, 22%
XYZ	2.8569, 2.2529, 3.4163
YIQ	42.8150, 8.2510, 10.1630

# Conversions

## Conversions Part 2

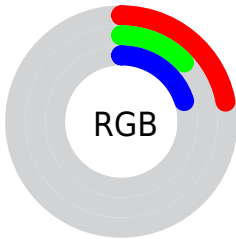
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	57, 34, 51
Decimal	3744307
CIE <sub>Lab</sub>	16.76, 14.24, -6.59
CIE <sub>LCh</sub>	17, 15.697, 335.162
Yxy	2.2529, 0.3351, 0.2642
Android (android.graphics.Color)	4281934387 (0xFF392233)
YUV	42.8150, 4.0352, 12.4402
Hunter-Lab	15.0098, 7.7081, -2.9877

# Details

The YUV color **42.8150, 4.0352, 12.4402** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **48.1850, -4.0352, -12.4402**, and the grayscale version is **43.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.8260, 4.0298, 14.1846**, and **0.2280, 0.8736, -0.2000** is the 20% darker color. If you saturate the color by 10%, you get **39.1790, 5.3348, 15.6290**, and if you desaturate by 10%, it is **46.4510, 2.7357, 9.2515**.

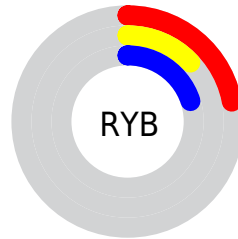
# Distribution



 Red (22%)

 Green (13%)

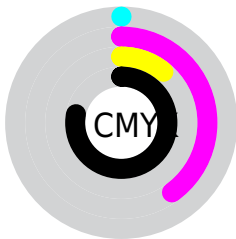
 Blue (20%)



 Red (22%)

 Yellow (13%)

 Blue (20%)

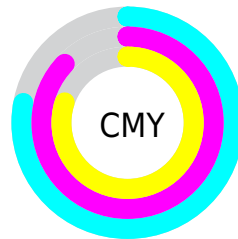


 Cyan (0%)


 Magenta (40%)

 Yellow (11%)

 Black (78%)



 Cyan (78%)

 Magenta (87%)

 Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.8150, 4.0352, 12.4402 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 42.8150, 4.0352, 12.4402 by changing the saturation by 10% instead.



■ 42.8150, 4.0352,  
12.4402

■ 42.8150, 4.0352,  
12.4402

■ 255.0000, 0.0000,  
0.0000

■ 21.5160, 4.1826,  
11.8255

■ 88.8260, 4.0298,  
14.1846

■ 0.2280, 0.8736,  
-0.2000

■ 113.2390, 4.3192,  
14.6994

■ 0.0000, 0.0000,  
0.0000

■ 138.6520, 4.6086,  
15.2142

■ 165.0650, 4.8980,  
15.7290

■ 192.3640, 4.7505,  
16.3438

■ 220.3640, 4.7505,

16.3438

244.4340, 5.2090,  
9.2664

42.8150, 4.0352,  
12.4402

42.8150, 4.0352,  
12.4402

39.1790, 5.3348,  
15.6290

46.4510, 2.7357,  
9.2515

36.0160, 5.9081,  
18.4030

49.6140, 2.1623,  
6.4775

32.3800, 7.2077,  
21.5917

53.2500, 0.8628,  
3.2887

28.6300, 8.0704,  
24.8805

57.0000, 0.0000,  
0.0000

24.9940, 9.3700,  
28.0693

60.6360, -1.2995,  
-3.1888

■ 21.8310, 9.9433,  
30.8432

■ 63.7990, -1.8729,  
-5.9627

■ 67.4350, -3.1725,  
-9.1515

■ 71.1850, -4.0352,  
-12.4402

■ 74.2340, -5.0454,  
-15.1142

# Harmonies

## Analogous

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



42.6010, 8.5777, 2.1039



42.8150, 4.0352, 12.4402



42.1810, -1.0752, 18.2583

# Triad

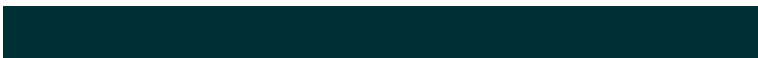
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.8150, 4.0352, 12.4402



40.2860, -10.4940, 5.8882



33.7450, 9.9857, -29.5944

# Complementary

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



42.8150, 4.0352, 12.4402



48.1850, -4.0352, -12.4402

# 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.



33.3880, 4.7387, -26.6503



42.8150, 4.0352, 12.4402



39.5020, -8.1355, -3.9483

# Square

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



42.8150, 4.0352, 12.4402



40.8570, -9.7895, 13.2804



37.5160, -2.7194, -14.4845



34.8640, 12.8850, -26.1907



# Rectangle

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



42.8150, 4.0352, 12.4402



41.8560, -4.8590, 18.5433



37.5160, -2.7194, -14.4845



33.4030, 8.6753, -29.2944

# Sweetspot

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



42.8150, 4.0352, 12.4402



68.4890, 1.7309, 4.8331



38.4160, 9.1619, 1.3892



34.9510, 1.0102, 2.6740



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



42.8150, 4.0352, 12.4402



51.8420, 6.4869, 19.4326



41.5610, -0.7696, 13.5400



26.1250, 0.4314, 1.6444



35.2600, 16.1408, 49.7610



83.9490, 38.4791, 118.4397



# Inverse Universe

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



42.8150, 4.0352, 12.4402



51.8420, 6.4869, 19.4326



49.4390, 0.7696, -13.5400



26.1250, 0.4314, 1.6444



35.2600, 16.1408, 49.7610



83.9490, 38.4791, 118.4397



# Previews

## White Background



This preview shows how the YUV color 42.8150, 4.0352, 12.4402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

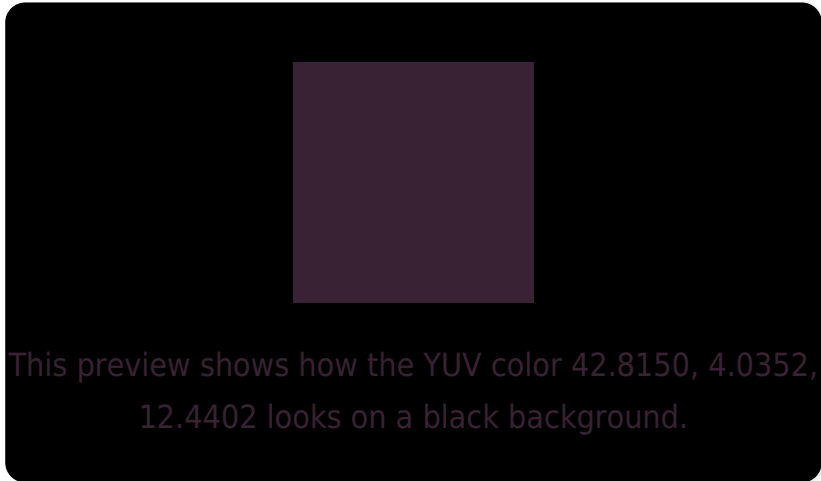
Any Text WCAG AA ✓ Pass

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

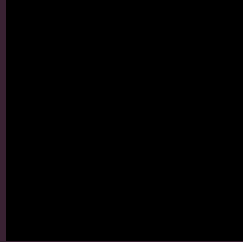
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 42.8150, 4.0352, 12.4402

## Background



This preview shows how black text looks on a background with the YUV color 42.8150, 4.0352, 12.4402.



This preview shows how white text looks on a background with the YUV color 42.8150, 4.0352,



# 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

42.8150, 4.0352, 12.4402

### Protanopia

41.8130, 6.9942, -3.3440

### Deuteranopia

42.3250, 3.7838, -0.2850



## Tritanopia

42.3220, -1.6377, 11.9956

# Trichromacy



## Original Color

42.8150, 4.0352, 12.4402

## Protanomaly

41.9170, 5.9569, 2.7038

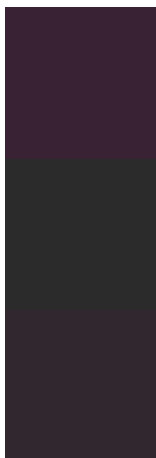
## Deuteranomaly

42.0590, 3.9149, 4.3333

## Tritanomaly

42.1910, 0.3988, 12.1105

# Monochromacy



## Original Color

42.8150, 4.0352, 12.4402

## Achromatopsia

43.0000, 0.0000, 0.0000

## Achromatomaly

43.0760, 1.4415, 4.3183

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.8150, 4.0352, 12.4402 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(57, 34, 51)` looks like.

```
.text, #text, p{  
    color:rgb(57, 34, 51)  
}
```

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(57, 34, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 34, 51) }
```

## Border

The CSS property to change the border of an element to YUV 42.8150, 4.0352, 12.4402 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(57, 34, 51) }
```



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

```
.border{ border-color:rgb(57, 34, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 34, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 34, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 34, 51);  
box-shadow:4px 4px 4px 4px rgb(57, 34, 51)  
}
```

# Background

The CSS property to change the background color of an element to YUV 42.8150, 4.0352, 12.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 34, 51) }
```

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

```
.background{ background-color: rgb(57, 34,  
51) }
```

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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