

# Converting Colors

YUV(40.1870, -3.5432, 16.4990)

Have a look what the booklet for  
YUV(40.1870, -3.5432, 16.4990)  
contains.

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# Color

**YUV(40.1870, -3.5432,  
16.4990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B2021
RGB	59, 32, 33
RGB Percent	23%, 13%, 13%
CMY	0.7686, 0.8745, 0.8706
CMYK	0.00, 0.46, 0.44, 0.77
HSL	358°, 30%, 18%
HSV	358°, 46%, 23%
XYZ	2.5947, 2.0726, 1.7021
YIQ	40.1870, 15.7710, 6.0350

# Conversions

## Conversions Part 2

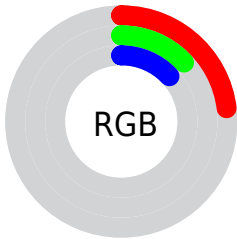
Format	Color
R <sub>Y</sub> B	59, 32, 33
Decimal	3874849
CIE Lab	15.86, 13.21, 4.93
CIE LCh	16, 14.097, 20.468
Yxy	2.0726, 0.4074, 0.3254
Android (android.graphics.Color)	4282064929 (0xFF3B2021)
YUV	40.1870, -3.5432, 16.4990
Hunter-Lab	14.3967, 6.9763, 3.0677

# Details

The YUV color **40.1870, -3.5432, 16.4990** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **50.8130, 3.5432, -16.4990**, and the grayscale version is **40.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.2690, -4.5696, 19.0581**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **35.9810, -4.4276, 20.1877**, and if you desaturate by 10%, it is **44.3930, -2.6587, 12.8103**.

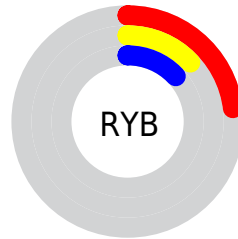
# Distribution



Red (23%)

Green (13%)

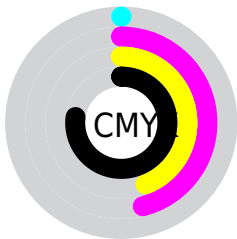
Blue (13%)



Red (23%)

Yellow (13%)

Blue (13%)

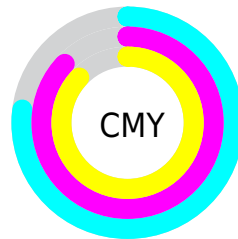


Cyan (0%)

Magenta (46%)

Yellow (44%)

Black (77%)



Cyan (77%)

Magenta (87%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.1870, -3.5432, 16.4990 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 40.1870, -3.5432, 16.4990 by changing the saturation by 10% instead.



■ 40.1870, -3.5432,  
16.4990

■ 40.1870, -3.5432,  
16.4990

■ 255.0000, 0.0000,  
0.0000

■ 18.6600, -4.2694,  
16.0842

■ 86.2690, -4.5696,  
19.0581

■ 0.0000, 0.0000,  
0.0000

■ 110.5680, -4.7170,  
19.6729

■ 136.1660, -5.0118,  
20.9024

■ 162.4650, -5.1592,  
21.5172

■ 189.0630, -5.4541,  
22.7467

■ 217.3620, -5.6015,

23.3615

240.2790, -3.0955,  
12.9103

40.1870, -3.5432,  
16.4990

40.1870, -3.5432,  
16.4990

35.9810, -4.4276,  
20.1877

44.3930, -2.6587,  
12.8103

31.8890, -4.8753,  
23.7763

48.4850, -2.2111,  
9.2217

27.6830, -5.7597,  
27.4650

52.6910, -1.3267,  
5.5330

23.4770, -6.6442,  
31.1537

56.8970, -0.4422,  
1.8443

19.3850, -7.0918,  
34.7424

60.4020, 0.2948,  
-1.2296

■ 17.8690, -7.8234,  
36.0719

■ 64.6080, 1.1793,  
-4.9182

■ 68.8140, 2.0637,  
-8.6069

■ 72.9060, 2.5113,  
-12.1956

■ 77.1120, 3.3958,  
-15.8842

# Harmonies

## Analogous

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



40.7290, 1.1196, 14.2697



40.1870, -3.5432, 16.4990



39.4380, -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.



40.1870, -3.5432, 16.4990



36.5770, -5.2145, -7.5220



36.4740, 11.1053, -15.3247

# Complementary

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



40.1870, -3.5432, 16.4990



50.8130, 3.5432, -16.4990

# 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.



32.9950, 10.8485, -26.3056



40.1870, -3.5432, 16.4990



35.0040, 0.4910, -17.5435

# Square

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



40.1870, -3.5432, 16.4990



38.0080, -8.8779, 0.8700



32.2570, 6.7753, -26.5354



39.6820, 9.0308, -3.2291



# Rectangle

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



40.1870, -3.5432, 16.4990



39.6610, -9.1999, 10.8213



32.2570, 6.7753, -26.5354



35.1530, 11.2636, -19.4282

# Sweetspot

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



40.1870, -3.5432, 16.4990



69.2890, -1.6215, 6.7625



42.8520, 7.9610, 13.2848



33.7940, -0.8844, 3.6887



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.



40.1870, -3.5432, 16.4990



47.0850, -5.4649, 26.2355



47.1170, -7.4527, 10.4214



28.8970, -0.4422, 1.8443



28.4480, -12.5459, 57.4891



67.2900, -29.2300, 135.6807



# Inverse Universe

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



40.1870, -3.5432, 16.4990



47.0850, -5.4649, 26.2355



43.8830, 7.4527, -10.4214



28.8970, -0.4422, 1.8443



28.4480, -12.5459, 57.4891

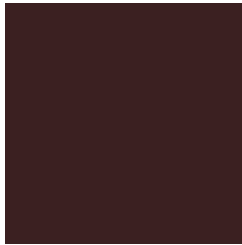


67.2900, -29.2300, 135.6807



# Previews

## White Background



This preview shows how the YUV color 40.1870, -3.5432, 16.4990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

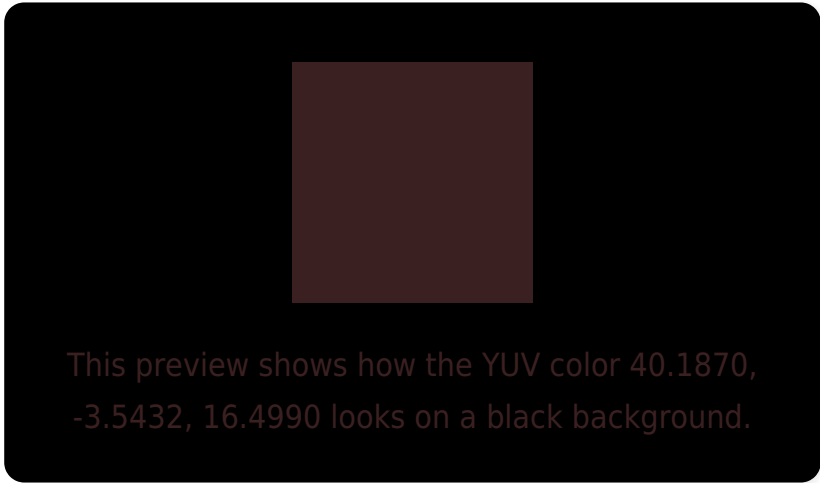
Any Text WCAG AA ✓ Pass

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

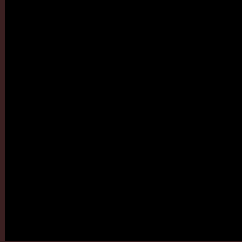
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 40.1870, -3.5432, 16.4990**

## **Background**



This preview shows how black text looks on a background with the YUV color 40.1870, -3.5432, 16.4990.



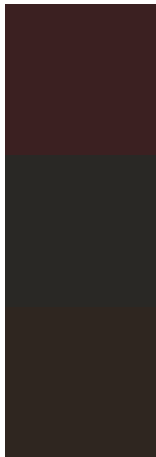
This preview shows how white text looks on a background with the YUV color 40.1870, -3.5432,



# 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

40.1870, -3.5432, 16.4990

### Protanopia

39.9570, -1.4578, 0.9147

### Deuteranopia

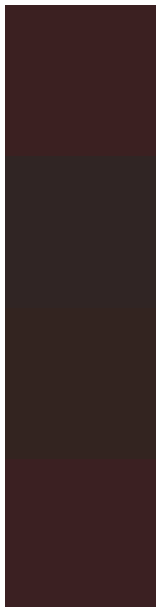
40.0070, -3.9475, 6.1329



## Tritanopia

40.3010, -3.1064, 16.3990

# Trichromacy



## Original Color

40.1870, -3.5432, 16.4990

## Protanomaly

40.1750, -2.0583, 6.8625

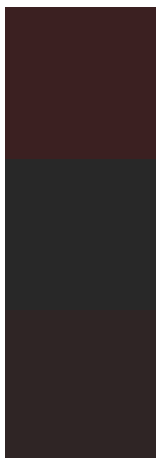
## Deuteranomaly

40.0290, -3.9583, 9.6216

## Tritanomaly

40.3010, -3.1064, 16.3990

# Monochromacy



## Original Color

40.1870, -3.5432, 16.4990

## Achromatopsia

40.0000, 0.0000, 0.0000

## Achromatomaly

39.9900, -1.4741, 6.1478

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.1870, -3.5432, 16.4990 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(59, 32, 33)` looks like.

```
.text, #text, p{  
    color:rgb(59, 32, 33)  
}
```

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(59, 32, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 32, 33) }
```

## Border

The CSS property to change the border of an element to YUV 40.1870, -3.5432, 16.4990 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(59, 32, 33) }
```



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

```
.border{ border-color:rgb(59, 32, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 32, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 32, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 32, 33);  
box-shadow:4px 4px 4px 4px rgb(59, 32, 33)  
}
```

# Background

The CSS property to change the background color of an element to YUV 40.1870, -3.5432, 16.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 32, 33) }
```

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

```
.background{ background-color: rgb(59, 32,  
33) }
```

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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