

# Converting Colors

YUV(48.0640, -6.9336, 30.6389)

Have a look what the booklet for  
YUV(48.0640, -6.9336, 30.6389)  
contains.

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# Color

**YUV(48.0640, -6.9336,  
30.6389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	532122
RGB	83, 33, 34
RGB Percent	33%, 13%, 13%
CMY	0.6745, 0.8706, 0.8667
CMYK	0.00, 0.60, 0.59, 0.67
HSL	359°, 43%, 23%
HSV	359°, 60%, 33%
XYZ	4.3999, 3.0422, 1.8687
YIQ	48.0640, 29.4790, 10.9110

# Conversions

## Conversions Part 2

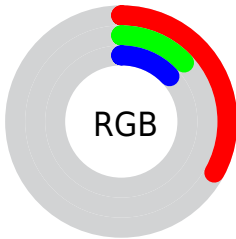
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	83, 33, 34
Decimal	5447970
CIE Lab	20.21, 23.44, 10.85
CIE LCh	20, 25.831, 24.828
Yxy	3.0422, 0.4726, 0.3267
Android (android.graphics.Color)	4283638050 (0xFF532122)
YUV	48.0640, -6.9336, 30.6389
Hunter-Lab	17.4419, 14.5047, 5.8572

# Details

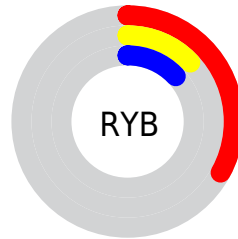
The YUV color **48.0640, -6.9336, 30.6389** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **67.9360, 6.9336, -30.6389**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.6300, -8.6916, 34.5275**, and **11.1770, -5.0173, 22.6468** is the 20% darker color. If you saturate the color by 10%, you get **42.4560, -8.1128, 35.5571**, and if you desaturate by 10%, it is **53.6720, -5.7543, 25.7207**.

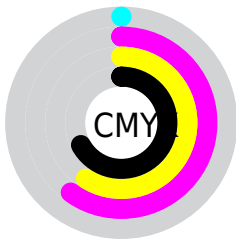
# Distribution



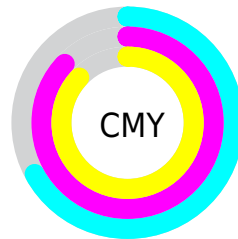
- Red (33%)
- Green (13%)
- Blue (13%)



- Red (33%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (60%)
- Yellow (59%)
- Black (67%)



- Cyan (67%)
- Magenta (87%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.0640, -6.9336, 30.6389 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 48.0640, -6.9336, 30.6389 by changing the saturation by 10% instead.



■ 48.0640, -6.9336,  
30.6389

■ 48.0640, -6.9336,  
30.6389

■ 255.0000, 0.0000,  
0.0000

■ 24.5800, -6.2019,  
29.3093

■ 95.6300, -8.6916,  
34.5275

■ 11.1770, -5.0173,  
22.6468

■ 121.4130, -9.5706,  
36.4718

■ 0.0000, 0.0000,  
0.0000

■ 147.3100,  
-10.0128, 38.3161

■ 174.4950,  
-10.5970, 39.0309

■ 202.0930,  
-10.8918, 40.2604

■ 223.1130, -7.9437,

27.9649

243.4420, -3.6689,  
10.1364

48.0640, -6.9336,  
30.6389

48.0640, -6.9336,  
30.6389

42.4560, -8.1128,  
35.5571

53.6720, -5.7543,  
25.7207

36.2610, -9.0027,  
40.9901

59.8670, -4.8644,  
20.2876

30.6530, -10.1819,  
45.9083

65.4750, -3.6852,  
15.3694

25.0450, -11.3612,  
50.8265

71.1970, -2.0691,  
10.3512

76.8050, -0.8899,  
5.4330

■ 83.0000, 0.0000,  
0.0000

■ 88.6080, 1.1793,  
-4.9182

■ 94.2160, 2.3585,  
-9.8364

■ 100.4110, 3.2484,  
-15.2694

# Harmonies

## Analogous

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



49.0450, 1.9498, 28.0245



48.0640, -6.9336, 30.6389



47.6690, -14.6268, 24.8463

# Triad

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



48.0640, -6.9336, 30.6389



41.5170, -7.6499, -19.7474



40.3280, 22.5163, -35.3677

# Complementary

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



48.0640, -6.9336, 30.6389



67.9360, 6.9336, -30.6389

# 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.



41.8780, 18.3011, -36.7270



48.0640, -6.9336, 30.6389



39.1760, 2.8712, -34.3574

# Square

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



48.0640, -6.9336, 30.6389



45.0480, -16.2927, -0.9191



41.3420, 11.1704, -36.2569



49.0330, 16.7457, -4.4139



# Rectangle

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



48.0640, -6.9336, 30.6389



47.0010, -18.2415, 17.5391



41.3420, 11.1704, -36.2569



41.3880, 21.5007, -36.2973

# Sweetspot

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



48.0640, -6.9336, 30.6389



93.6810, -2.8007, 11.6808



53.0520, 14.7644, 24.5104



45.5880, -1.7689, 7.3773



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



48.0640, -6.9336, 30.6389



53.2510, -10.4767, 47.1379



61.4510, -14.0263, 18.8985



38.1960, -0.5896, 2.4591



31.6230, -14.6041, 64.3516



69.9380, -32.0144, 142.1284



# Inverse Universe

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



48.0640, -6.9336, 30.6389



53.2510, -10.4767, 47.1379



54.5490, 14.0263, -18.8985



38.1960, -0.5896, 2.4591



31.6230, -14.6041, 64.3516

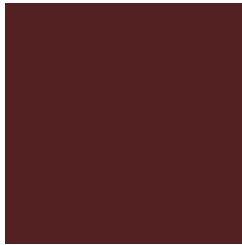


69.9380, -32.0144, 142.1284



# Previews

## White Background



This preview shows how the YUV color 48.0640, -6.9336, 30.6389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

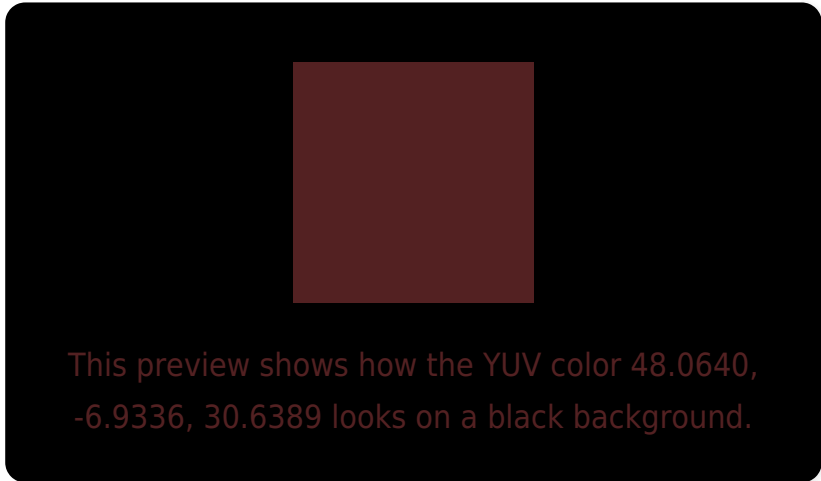
Any Text WCAG AA ✓ Pass

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

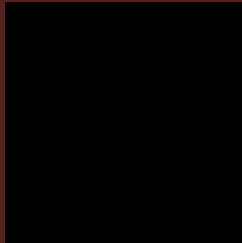
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 48.0640, -6.9336, 30.6389**

## **Background**



This preview shows how black text looks on a background with the YUV color 48.0640, -6.9336, 30.6389.



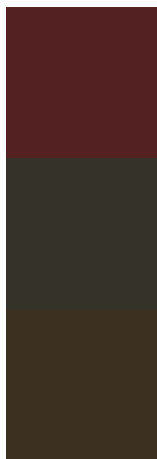
This preview shows how white text looks on a background with the YUV color 48.0640, -6.9336,



# 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

48.0640, -6.9336, 30.6389

### Protanopia

49.8710, -4.3734, 2.7441

### Deuteranopia

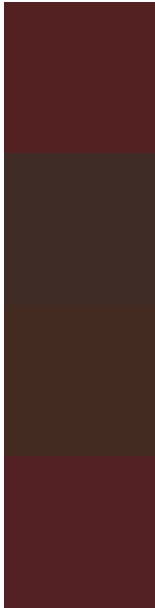
49.7640, -8.7577, 8.9770



## Tritanopia

48.1780, -6.4968, 30.5389

# Trichromacy



## Original Color

48.0640, -6.9336, 30.6389

## Protanomaly

49.2960, -5.5689, 12.8954

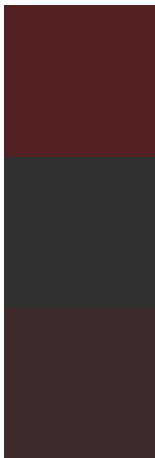
## Deuteranomaly

49.3350, -8.0532, 16.3692

## Tritanomaly

48.1780, -6.4968, 30.5389

# Monochromacy



## Original Color

48.0640, -6.9336, 30.6389

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

48.3820, -2.6533, 11.0660

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.0640, -6.9336, 30.6389 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(83, 33, 34)` looks like.

```
.text, #text, p{  
    color:rgb(83, 33, 34)  
}
```

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(83, 33, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 33, 34) }
```

## Border

The CSS property to change the border of an element to YUV 48.0640, -6.9336, 30.6389 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(83, 33, 34) }
```



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

```
.border{ border-color:rgb(83, 33, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 33, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 33, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 33, 34);  
box-shadow:4px 4px 4px 4px rgb(83, 33, 34)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.0640, -6.9336, 30.6389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 33, 34) }
```

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

```
.background{ background-color: rgb(83, 33,  
34) }
```

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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