

# Converting Colors

YUV(47.3550, 1.7970, 30.3837)

Have a look what the booklet for  
YUV(47.3550, 1.7970, 30.3837)  
contains.

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# Color

**YUV(47.3550, 1.7970,  
30.3837)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	521D33
RGB	82, 29, 51
RGB Percent	32%, 11%, 20%
CMY	0.6784, 0.8863, 0.8000
CMYK	0.00, 0.65, 0.38, 0.68
HSL	335°, 48%, 22%
HSV	335°, 65%, 32%
XYZ	4.5166, 2.9116, 3.4559
YIQ	47.3550, 24.5260, 18.0780

# Conversions

## Conversions Part 2

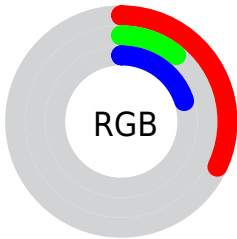
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 29, 51
Decimal	5381427
CIE Lab	19.69, 27.28, -1.80
CIE LCh	20, 27.343, 356.235
Yxy	2.9116, 0.4150, 0.2675
Android (android.graphics.Color)	4283571507 (0xFF521D33)
YUV	47.3550, 1.7970, 30.3837
Hunter-Lab	17.0634, 17.3871, -0.0639

# Details

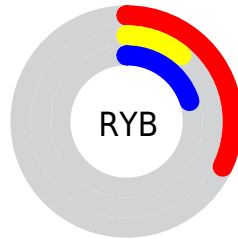
The YUV color **47.3550, 1.7970, 30.3837** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **63.6450, -1.7970, -30.3837**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.7360, 0.6232, 33.5575**, and **12.1170, -4.0017, 23.5764** is the 20% darker color. If you saturate the color by 10%, you get **42.0890, 1.9281, 35.0019**, and if you desaturate by 10%, it is **52.6210, 1.6658, 25.7654**.

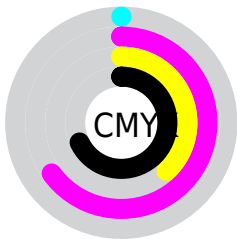
# Distribution



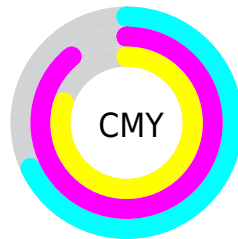
- Red (32%)
- Green (11%)
- Blue (20%)



- Red (32%)
- Yellow (11%)
- Blue (20%)



- Cyan (0%)
- Magenta (65%)
- Yellow (38%)
- Black (68%)



- Cyan (68%)
- Magenta (89%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 47.3550, 1.7970, 30.3837 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 47.3550, 1.7970, 30.3837 by changing the saturation by 10% instead.



■ 47.3550, 1.7970,  
30.3837

■ 47.3550, 1.7970,  
30.3837

■ 255.0000, 0.0000,  
0.0000

■ 23.3980, 3.2548,  
29.4690

■ 95.7360, 0.6232,  
33.5575

■ 12.1170, -4.0017,  
23.5764

■ 121.3340, 0.3283,  
34.7871

■ 0.0000, 0.0000,  
0.0000

■ 147.0460, 0.4703,  
35.9167

■ 173.9430, 0.0281,  
37.7610

■ 201.6550, 0.1701,  
38.8906


■ 223.9740, 2.9708,


27.2098

 243.8470, 5.4984,  
9.7812

 47.3550, 1.7970,  
30.3837

 47.3550, 1.7970,  
30.3837


 42.0890, 1.9281,  
35.0019

 52.6210, 1.6658,  
25.7654

 36.8230, 2.0593,  
39.6202


 57.8870, 1.5347,  
21.1471

 31.0840, 2.9166,  
44.6533

 63.6260, 0.6774,  
16.1140

 28.3940, 2.7638,  
47.0125

 68.8920, 0.5462,  
11.4957

 74.1580, 0.4151,  
6.8774

■ 79.4240, 0.2840,  
2.2592

■ 84.6900, 0.1528,  
-2.3591

■ 90.4290, -0.7045,  
-7.3922

■ 95.6950, -0.8356,  
-12.0105

# Harmonies

## Analogous

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



49.1560, 10.2761, 17.4032



47.3550, 1.7970, 30.3837



46.5480, -7.6652, 31.9684

# Triad

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



47.3550, 1.7970, 30.3837



43.5810, -18.0344, -2.2635



41.4050, 19.0273, -36.3122

# Complementary

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



47.3550, 1.7970, 30.3837



63.6450, -1.7970, -30.3837

# 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.



40.8690, 11.8966, -35.8421



47.3550, 1.7970, 30.3837



38.9080, -7.3496, -22.7213

# Square

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



47.3550, 1.7970, 30.3837



45.1700, -21.2828, 13.0059



38.4750, 2.7238, -33.7426



39.8550, 23.2425, -34.9528



# Rectangle

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



47.3550, 1.7970, 30.3837



46.3320, -13.4747, 28.6498



38.4750, 2.7238, -33.7426



41.5360, 16.9908, -36.4271

# Sweetspot

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



47.3550, 1.7970, 30.3837



93.8920, 0.5462, 11.4957



44.3110, 18.5807, 13.7593



45.4570, 0.2677, 7.4922



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.



47.3550, 1.7970, 30.3837



52.6930, 2.6164, 47.6272



47.1950, -8.9701, 30.5240



38.3100, -0.1528, 2.3591



36.2970, 3.3046, 60.2525



80.3120, 7.7342, 133.0304



# Inverse Universe

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



47.3550, 1.7970, 30.3837



52.6930, 2.6164, 47.6272



63.8050, 8.9701, -30.5240



38.3100, -0.1528, 2.3591



36.2970, 3.3046, 60.2525

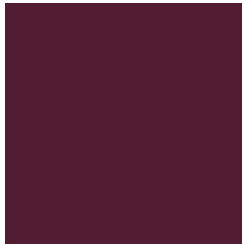


80.3120, 7.7342, 133.0304



# Previews

## White Background



This preview shows how the YUV color 47.3550, 1.7970, 30.3837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

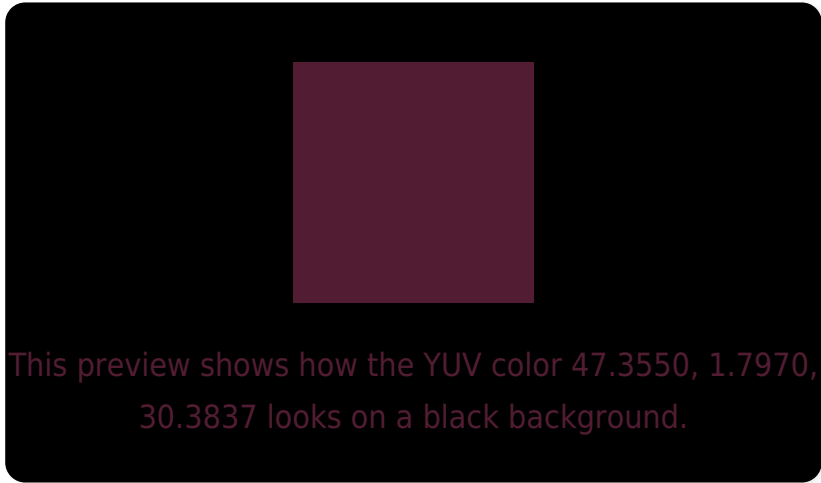
Any Text WCAG AA ✓ Pass

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

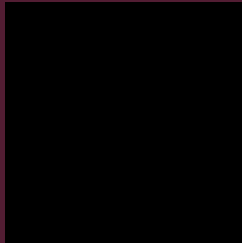
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 47.3550, 1.7970, 30.3837**

## **Background**



This preview shows how black text looks on a background with the YUV color 47.3550, 1.7970, 30.3837.



This preview shows how white text looks on a background with the YUV color 47.3550, 1.7970,



# 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

47.3550, 1.7970, 30.3837

### Protanopia

48.8130, 6.9942, -3.3440

### Deuteranopia

49.2070, -0.5951, 4.2035



## Tritanopia

47.5800, -6.2019, 29.3093

# Trichromacy



## Original Color

47.3550, 1.7970, 30.3837

## Protanomaly

48.1350, 5.3564, 8.6516

## Deuteranomaly

48.2020, 0.3934, 13.8548

## Tritanomaly

47.6770, -3.2918, 29.2243

# Monochromacy



## Original Color

47.3550, 1.7970, 30.3837

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.8920, 0.5462, 11.4957

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.3550, 1.7970, 30.3837 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(82, 29, 51)` looks like.

```
.text, #text, p{  
    color:rgb(82, 29, 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(82, 29, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 29, 51) }
```

## Border

The CSS property to change the border of an element to YUV 47.3550, 1.7970, 30.3837 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(82, 29, 51) }
```



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

```
.border{ border-color:rgb(82, 29, 51) }
```

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

Here you see how a box with a 4 pixel rgb(82, 29, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 29, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 29, 51);  
box-shadow:4px 4px 4px 4px rgb(82, 29, 51)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.3550, 1.7970, 30.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 29, 51) }
```

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

```
.background{ background-color: rgb(82, 29,  
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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