

# Converting Colors

YUV(40.4450, 38.7276, -8.2833)

Have a look what the booklet for  
YUV(40.4450, 38.7276, -8.2833)  
contains.

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# Color

**YUV(40.4450, 38.7276,  
-8.2833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1F1E77
RGB	31, 30, 119
RGB Percent	12%, 12%, 47%
CMY	0.8784, 0.8824, 0.5333
CMYK	0.74, 0.75, 0.00, 0.53
HSL	241°, 60%, 29%
HSV	241°, 75%, 47%
XYZ	4.3591, 2.5518, 17.7156
YIQ	40.4450, -27.9730, 27.8910

# Conversions

## Conversions Part 2

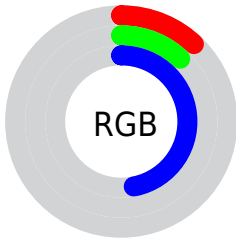
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 30, 119
Decimal	2039415
CIE Lab	18.15, 31.77, -50.30
CIE LCh	18, 59.497, 302.276
Yxy	2.5518, 0.1770, 0.1036
Android (android.graphics.Color)	4280229495 (0xFF1F1E77)
YUV	40.4450, 38.7276, -8.2833
Hunter-Lab	15.9742, 20.7550, -54.5711

# Details

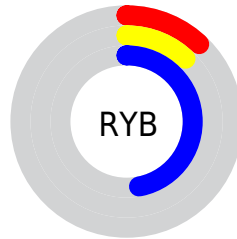
The YUV color **40.4450, 38.7276, -8.2833** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **108.5550, -38.7276, 8.2833**, and the grayscale version is **40.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **90.5430, 40.1583, -0.4762**, and **7.8660, 30.1391, -6.8985** is the 20% darker color. If you saturate the color by 10%, you get **29.8130, 43.9692, -9.4830**, and if you desaturate by 10%, it is **51.0770, 33.4860, -7.0835**.

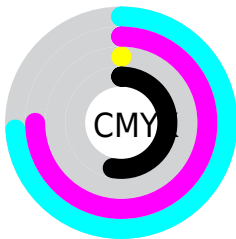
# Distribution



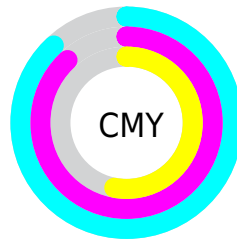
- Red (12%)
- Green (12%)
- Blue (47%)



- Red (12%)
- Yellow (12%)
- Blue (47%)



- Cyan (74%)
- Magenta (75%)
- Yellow (0%)
- Black (53%)



- Cyan (88%)
- Magenta (88%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.4450, 38.7276, -8.2833 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 40.4450, 38.7276, -8.2833 by changing the saturation by 10% instead.



■ 40.4450, 38.7276,  
-8.2833

■ 40.4450, 38.7276,  
-8.2833

■ 255.0000, 0.0000,  
0.0000

■ 15.9990, 38.4545,  
-14.0311

■ 90.5430, 40.1583,  
-0.4762

■ 7.8660, 30.1391,  
-6.8985

■ 115.8960, 41.4633,  
0.9682

■ 7.5920, 18.9351,  
-6.6582

■ 142.1350, 42.3314,  
2.5126

■ 3.3230, 10.1938,  
-2.9143

■ 168.8470, 42.4734,  
3.6422

■ 0.0000, 0.0000,  
0.0000

■ 193.3670, 30.3851,  
7.5711

■ 218.4740, 18.0073,

10.9853

242.0860, 6.3666,  
11.3256

40.4450, 38.7276,  
-8.2833

40.4450, 38.7276,  
-8.2833

29.8130, 43.9692,  
-9.4830

51.0770, 33.4860,  
-7.0835

19.1810, 49.2108,  
-10.6827

61.7090, 28.2445,  
-5.8838

13.8650, 51.8316,  
-11.2826

72.0420, 23.1503,  
-5.2988

82.6740, 17.9087,  
-4.0991

93.3060, 12.6671,  
-2.8994

■ 103.3510, 7.7150,  
-1.1848

■ 113.6840, 2.6208,  
-0.5999

■ 124.3160, -2.6208,  
0.5999

■ 134.9480, -7.8624,  
1.7996

# Harmonies

## Analogous

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



45.0990, 43.3352, -39.5518



40.4450, 38.7276, -8.2833



38.0950, 23.1242, 49.9057

# Triad

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



40.4450, 38.7276, -8.2833



39.2150, -19.3330, 41.0304



40.5780, 3.1660, -35.5869

# Complementary

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



40.4450, 38.7276, -8.2833



108.5550, -38.7276, 8.2833

# 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.



34.0460, -16.7847, -29.8583



40.4450, 38.7276, -8.2833



41.6750, -20.5458, 9.9320

# Square

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



40.4450, 38.7276, -8.2833



32.2920, -15.9200, 66.3959



31.6980, -15.6271, -27.7991



45.4800, 21.9484, -39.8860



# Rectangle

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



40.4450, 38.7276, -8.2833



39.3880, 8.6827, 61.9267



31.6980, -15.6271, -27.7991



38.1670, -3.5333, -33.4725

# Sweetspot

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



40.4450, 38.7276, -8.2833



125.2890, 15.1405, -2.8845



92.3890, 13.1192, -54.7152



60.6930, 9.0254, -1.4848



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



40.4450, 38.7276, -8.2833



32.2590, 61.0043, -13.3821



53.3020, 32.3891, 18.1521



53.6840, 2.6208, -0.5999



14.2070, 53.1419, -11.5825



29.3970, 108.7573, -23.1502



# Inverse Universe

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



66.6430, 25.3190, 45.9171



73.5920, 39.6411, 72.2718



95.3990, -32.2417, -18.7669



55.4780, 1.7363, 3.0888



50.2720, 34.8689, 62.9055

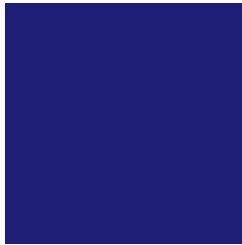


102.9080, 71.0374, 128.9997



# Previews

## White Background



This preview shows how the YUV color 40.4450, 38.7276, -8.2833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

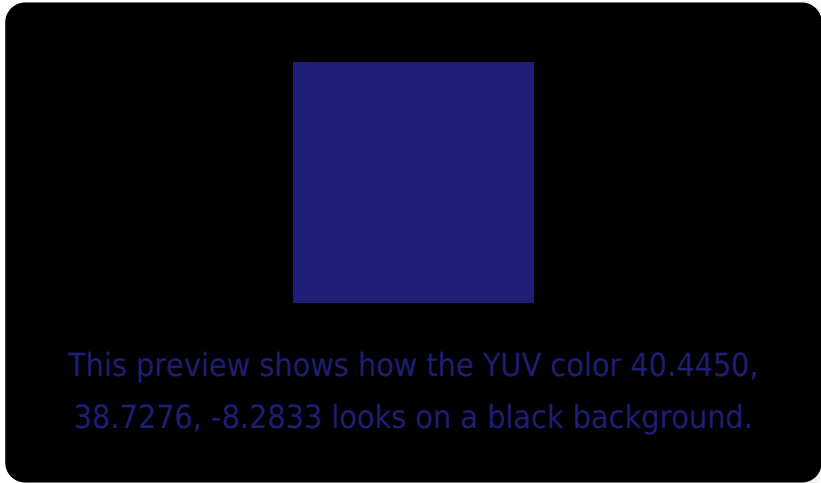
Any Text WCAG AA ✓ Pass

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

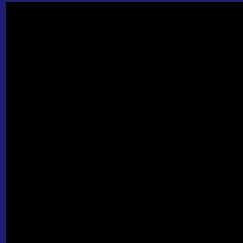
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 40.4450, 38.7276, -8.2833

## Background



This preview shows how black text looks on a background with the YUV color 40.4450, 38.7276, -8.2833.



This preview shows how white text looks on a background with the YUV color 40.4450, 38.7276, -8.2833.

-8.2833.

# 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

40.4450, 38.7276, -8.2833

### Protanopia

35.6150, 27.3048, -31.2344

### Deuteranopia

35.8940, 20.7583, -31.4790



## Tritanopia

35.3920, 8.6807, -31.0388

# Trichromacy



## Original Color

40.4450, 38.7276, -8.2833

## Protanomaly

37.1090, 31.4983, -22.8976

## Deuteranomaly

37.3710, 27.4251, -23.1274

## Tritanomaly

37.3080, 19.5682, -23.0721

# Monochromacy



## Original Color

40.4450, 38.7276, -8.2833

## Achromatopsia

40.0000, 0.0000, 0.0000

## Achromatomaly

40.0610, 14.2669, -2.6845

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.4450, 38.7276, -8.2833 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(31, 30, 119)` looks like.

```
.text, #text, p{  
    color:rgb(31, 30, 119)  
}
```

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(31, 30, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 30, 119) }
```

## Border

The CSS property to change the border of an element to YUV 40.4450, 38.7276, -8.2833 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(31, 30, 119) }
```



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

```
.border{ border-color:rgb(31, 30, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 30, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 30, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 30, 119);  
box-shadow:4px 4px 4px 4px rgb(31, 30,  
119) }
```

# Background

The CSS property to change the background color of an element to YUV 40.4450, 38.7276, -8.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 30, 119) }
```

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

```
.background{ background-color: rgb(31, 30,  
119) }
```

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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