

# Converting Colors

YUV(42.1620, 37.8811,  
-16.8051)

Have a look what the booklet for  
YUV(42.1620, 37.8811, -16.8051)  
contains.

<b>YUV(42.1620, 37.8811, -16.8051)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(42.1620, 37.8811,  
-16.8051)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	172577
RGB	23, 37, 119
RGB Percent	9%, 15%, 47%
CMY	0.9098, 0.8549, 0.5333
CMYK	0.81, 0.69, 0.00, 0.53
HSL	231°, 68%, 28%
HSV	231°, 81%, 47%
XYZ	4.3447, 2.8372, 17.7714
YIQ	42.1620, -34.6660, 22.5340

# Conversions

## Conversions Part 2

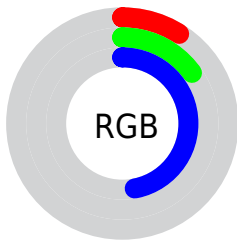
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 35, 119
Decimal	1516919
CIE <sub>Lab</sub>	19.38, 26.28, -48.30
CIE <sub>LCh</sub>	19, 54.985, 298.548
Y <sub>xy</sub>	2.8372, 0.1741, 0.1137
Android (android.graphics.Color)	4279706999 (0xFF172577)
YUV	42.1620, 37.8811, -16.8051
Hunter-Lab	16.8440, 16.5648, -50.7636

# Details

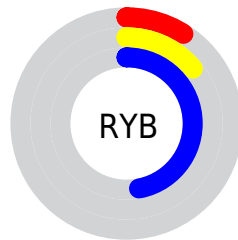
The YUV color **42.1620, 37.8811, -16.8051** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **99.8380, -37.8811, 16.8051**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.8580, 39.0170, -7.7685**, and **7.9800, 30.5759, -6.9985** is the 20% darker color. If you saturate the color by 10%, you get **32.7040, 42.5439, -19.0344**, and if you desaturate by 10%, it is **51.6200, 33.2183, -14.5757**.

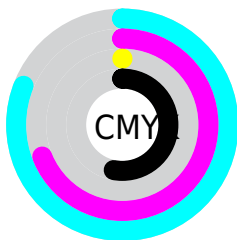
# Distribution



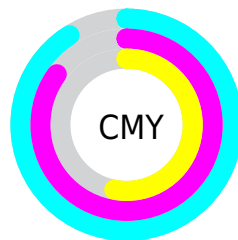
- Red (9%)
- Green (15%)
- Blue (47%)



- Red (9%)
- Yellow (14%)
- Blue (47%)



- Cyan (81%)
- Magenta (69%)
- Yellow (0%)
- Black (53%)



- Cyan (91%)
- Magenta (85%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.1620, 37.8811, -16.8051 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 42.1620, 37.8811, -16.8051 by changing the saturation by 10% instead.



■ 42.1620, 37.8811,  
-16.8051

■ 42.1620, 37.8811,  
-16.8051

■ 255.0000, 0.0000,  
0.0000

■ 20.6950, 36.1394,  
-18.1495

■ 92.8580, 39.0170,  
-7.7685

■ 7.9800, 30.5759,  
-6.9985

■ 118.5100, 40.1746,  
-5.7093

■ 7.5920, 18.9351,  
-6.6582

■ 144.7490, 41.0427,  
-4.1649

■ 3.3230, 10.1938,  
-2.9143

■ 171.4610, 41.1847,  
-3.0353

■ 0.0000, 0.0000,  
0.0000

■ 195.6820, 29.2438,  
0.2789

■ 220.7890, 16.8660,

3.6930

246.1950, 4.3409,  
7.7220

42.1620, 37.8811,  
-16.8051

42.1620, 37.8811,  
-16.8051

32.7040, 42.5439,  
-19.0344

51.6200, 33.2183,  
-14.5757

23.5450, 47.0593,  
-20.6490

61.0780, 28.5555,  
-12.3464

70.5360, 23.8928,  
-10.1171

80.5810, 18.9406,  
-8.4025

89.7400, 14.4252,  
-6.7880

■ 99.1980, 9.7624,  
-4.5586

■ 108.6560, 5.0996,  
-2.3293

■ 118.1140, 0.4368,  
-0.1000

■ 127.5720, -4.2260,  
2.1294

# Harmonies

## Analogous

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



46.4040, 40.7198, -40.6963



42.1620, 37.8811, -16.8051



37.1700, 26.0452, 46.3319

# Triad

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



42.1620, 37.8811, -16.8051



40.9980, -20.2120, 42.9748



41.4100, 1.2769, -36.3166

# Complementary

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



42.1620, 37.8811, -16.8051



99.8380, -37.8811, 16.8051

# 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.



35.2200, -17.3635, -30.8879



42.1620, 37.8811, -16.8051



44.6540, -22.0144, 14.3354

# Square

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



42.1620, 37.8811, -16.8051



33.7310, -11.6994, 66.0109



37.6670, -18.5698, -17.2480



46.0840, 19.1856, -40.4157



# Rectangle

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



42.1620, 37.8811, -16.8051



39.2890, 12.1825, 59.3825



37.6670, -18.5698, -17.2480



39.2270, -4.5489, -34.4021

# Sweetspot

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



42.1620, 37.8811, -16.8051



125.8540, 14.8620, -6.8880



88.7000, 8.0359, -57.6189



60.3830, 9.1782, -3.8439



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.



42.1620, 37.8811, -16.8051



35.1280, 59.5899, -26.4223



44.1100, 36.9208, 11.3045



54.2710, 2.3314, -1.1147



24.4740, 48.0803, -21.4637



49.6320, 98.7814, -43.5273



# Inverse Universe

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



53.3000, -8.0359, 57.6189



52.6570, -12.6489, 90.6318



97.8900, -36.9208, -11.3045



54.9080, -0.4476, 3.5887



38.5300, -10.1213, 73.2032

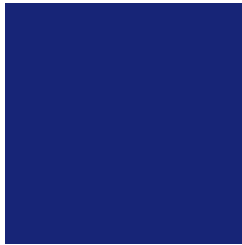


78.8540, -21.1270, 150.0950



# Previews

## White Background



This preview shows how the YUV color 42.1620, 37.8811, -16.8051 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



This preview shows how the YUV color 42.1620, 37.8811, -16.8051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

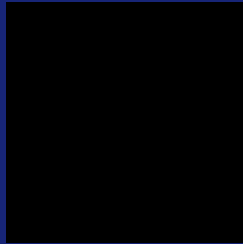
Any Text WCAG AA × Fail

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 42.1620, 37.8811, -16.8051 Background



This preview shows how black text looks on a background with the YUV color 42.1620, 37.8811, -16.8051.



This preview shows how white text looks on a background with the YUV color 42.1620, 37.8811,



# 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

42.1620, 37.8811, -16.8051

### Protanopia

38.0600, 29.0574, -33.3786

### Deuteranopia

38.1110, 21.6373, -33.4233



## Tritanopia

37.4950, 9.1230, -32.8831

# Trichromacy



## Original Color

42.1620, 37.8811, -16.8051

## Protanomaly

39.6030, 32.2407, -27.7158

## Deuteranomaly

39.6370, 27.2940, -27.7456

## Tritanomaly

38.9870, 19.7264, -27.1756

# Monochromacy



## Original Color

42.1620, 37.8811, -16.8051

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

41.9250, 13.8410, -6.0732

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.1620, 37.8811, -16.8051 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(23, 37, 119)` looks like.

```
.text, #text, p{  
    color:rgb(23, 37, 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(23, 37, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 37, 119) }
```

## Border

The CSS property to change the border of an element to YUV 42.1620, 37.8811, -16.8051 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(23, 37, 119) }
```



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

```
.border{ border-color:rgb(23, 37, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 37, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 37, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 37, 119);  
box-shadow:4px 4px 4px 4px rgb(23, 37,  
119) }
```

# Background

The CSS property to change the background color of an element to YUV 42.1620, 37.8811, -16.8051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 37, 119) }
```

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

```
.background{ background-color: rgb(23, 37,  
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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