

Converting Colors

YUV(37.8420, 36.5599,
-13.0164)

Have a look what the booklet for
YUV(37.8420, 36.5599, -13.0164)
contains.

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Color

**YUV(37.8420, 36.5599,
-13.0164)**

Conversions

Conversions Part 1

Format	Color
Hex	171F70
RGB	23, 31, 112
RGB Percent	9%, 12%, 44%
CMY	0.9098, 0.8784, 0.5608
CMYK	0.79, 0.72, 0.00, 0.56
HSL	235°, 66%, 26%
HSV	235°, 79%, 44%
XYZ	3.7680, 2.3320, 15.5808
YIQ	37.8420, -30.7690, 23.4950

Conversions

Conversions Part 2

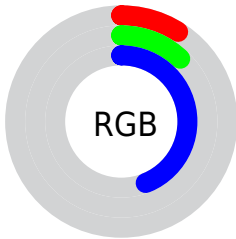
Format	Color
R_{YB}	23, 30, 112
Decimal	1515376
CIE _{Lab}	17.14, 27.64, -47.47
CIE _{LCh}	17, 54.930, 300.209
Yxy	2.3320, 0.1738, 0.1076
Android (android.graphics.Color)	4279705456 (0xFF171F70)
YUV	37.8420, 36.5599, -13.0164
Hunter-Lab	15.2708, 17.3196, -49.8037

Details

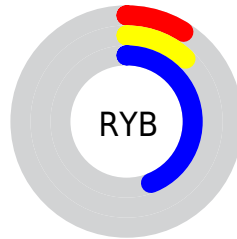
The YUV color **37.8420, 36.5599, -13.0164** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **97.1580, -36.5599, 13.0164**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.6520, 38.1326, -4.0798**, and **7.1820, 27.5183, -6.2986** is the 20% darker color. If you saturate the color by 10%, you get **28.6830, 41.0753, -14.6310**, and if you desaturate by 10%, it is **47.0010, 32.0445, -11.4019**.

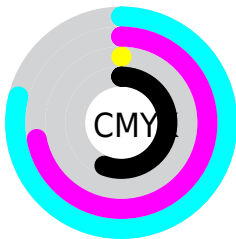
Distribution



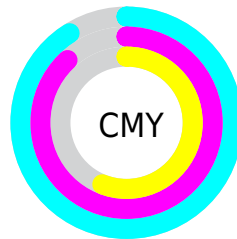
- Red (9%)
- Green (12%)
- Blue (44%)



- Red (9%)
- Yellow (12%)
- Blue (44%)



- Cyan (79%)
- Magenta (72%)
- Yellow (0%)
- Black (56%)



- Cyan (91%)
- Magenta (88%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YUV color 37.8420, 36.5599, -13.0164 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 37.8420, 36.5599, -13.0164 by changing the saturation by 10% instead.

■ 37.8420, 36.5599,
-13.0164

■ 37.8420, 36.5599,
-13.0164

■ 255.0000, 0.0000,
0.0000

■ 16.3750, 34.8181,
-14.3609

■ 87.6520, 38.1326,
-4.0798

■ 7.1820, 27.5183,
-6.2986

■ 112.8910, 39.0007,
-2.5354

■ 6.3210, 16.6037,
-5.5435

■ 139.1300, 39.8689,
-0.9910

■ 2.6390, 7.5730,
-2.3144

■ 166.0700, 40.8845,
-0.0614

■ 0.0000, 0.0000,
0.0000

■ 190.9750, 31.5643,
2.6529

■ 216.0820, 19.1866,

6.0671

241.1890, 6.8088,
9.4812

37.8420, 36.5599,
-13.0164

37.8420, 36.5599,
-13.0164

28.6830, 41.0753,
-14.6310

47.0010, 32.0445,
-11.4019

19.5240, 45.5907,
-16.2455

56.1600, 27.5291,
-9.7873

18.6380, 46.0275,
-16.3455

66.2050, 22.5769,
-8.0728

75.3640, 18.0615,
-6.4582

84.5230, 13.5462,
-4.8437

■ 93.6820, 9.0308,
-3.2291

■ 102.8410, 4.5154,
-1.6146

■ 112.8860, -0.4368,
0.1000

■ 122.0450, -4.9522,
1.7145

Harmonies

Analogous

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



42.1980, 39.8354, -37.0076



37.8420, 36.5599, -13.0164



35.0620, 23.1404, 44.6726

Triad

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



37.8420, 36.5599, -13.0164



37.1440, -18.3120, 40.2157



38.1330, 1.4134, -33.4426

Complementary

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



37.8420, 36.5599, -13.0164



97.1580, -36.5599, 13.0164

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.



32.2850, -15.9165, -28.3139



37.8420, 36.5599, -13.0164



39.9140, -19.6776, 11.4764

Square

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



37.8420, 36.5599, -13.0164



30.4980, -15.0355, 62.7073



31.1440, -15.3540, -22.0513



42.6930, 18.8854, -37.4418

Rectangle

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



37.8420, 36.5599, -13.0164



36.9960, 9.8620, 57.0085



31.1440, -15.3540, -22.0513



35.9500, -4.4124, -31.5282

Sweetspot

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



37.8420, 36.5599, -13.0164



116.3380, 14.1304, -5.5584



84.3630, 9.1880, -53.8154



55.9810, 8.8834, -2.6143



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000

Same Dimension

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



37.8420, 36.5599, -13.0164



30.3630, 56.5160, -20.4894



43.9100, 33.5684, 13.2339



51.2710, 2.3314, -1.1147



20.1370, 49.2325, -17.6601



41.0720, 101.5225, -36.0201

Inverse Universe

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



50.5230, -9.6248, 53.9153



49.7440, -14.6638, 83.5395



91.0900, -33.5684, -13.2339



51.9080, -0.4476, 3.5887



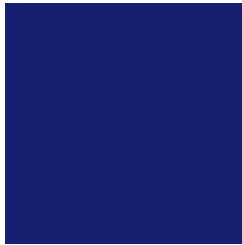
37.1340, -12.8841, 72.6735



76.3610, -26.8000, 149.6504

Previews

White Background



This preview shows how the YUV color 37.8420, 36.5599, -13.0164 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 37.8420, 36.5599, -13.0164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

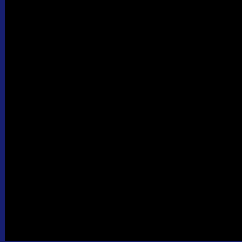
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 37.8420, 36.5599, -13.0164

Background



This preview shows how black text looks on a background with the YUV color 37.8420, 36.5599, -13.0164.



This preview shows how white text looks on a background with the YUV color 37.8420, 36.5599,

-13.0164.

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

37.8420, 36.5599, -13.0164

Protanopia

33.9850, 26.1364, -29.8048

Deuteranopia

34.2640, 19.5898, -30.0495



Tritanopia

33.8760, 7.9491, -29.7093

Trichromacy



Original Color

37.8420, 36.5599, -13.0164

Protanomaly

35.0550, 30.0459, -23.7272

Deuteranomaly

35.3170, 25.9727, -23.9570

Tritanomaly

35.3680, 18.5526, -24.0017

Monochromacy



Original Color

37.8420, 36.5599, -13.0164

Achromatopsia

38.0000, 0.0000, 0.0000

Achromatomaly

37.8220, 13.3988, -4.2289

CSS Examples

Text

The CSS property to change the color of the text to YUV 37.8420, 36.5599, -13.0164 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, 31, 112)` looks like.

```
.text, #text, p{  
    color:rgb(23, 31, 112)  
}
```

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, 31, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 31, 112) }
```

Border

The CSS property to change the border of an element to YUV 37.8420, 36.5599, -13.0164 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, 31, 112) }
```


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

```
.border{ border-color:rgb(23, 31, 112) }
```

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

Here you see how a box with a 4 pixel rgb(23, 31, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 31, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 31, 112);  
box-shadow:4px 4px 4px 4px rgb(23, 31,  
112) }
```

Background

The CSS property to change the background color of an element to YUV 37.8420, 36.5599, -13.0164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 31, 112) }
```

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

```
.background{ background-color: rgb(23, 31,  
112) }
```

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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