

Converting Colors

YUV(33.8030, 66.1591, 13.3278)

Have a look what the booklet for
YUV(33.8030, 66.1591, 13.3278)
contains.

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Color

**YUV(33.8030, 66.1591,
13.3278)**

Conversions

Conversions Part 1

Format	Color
Hex	3100A8
RGB	49, 0, 168
RGB Percent	19%, 0%, 66%
CMY	0.8078, 1.0000, 0.3412
CMYK	0.71, 1.00, 0.00, 0.34
HSL	258°, 100%, 33%
HSV	258°, 100%, 66%
XYZ	8.3345, 3.4801, 37.2782
YIQ	33.8030, -24.7240, 62.6360

Conversions

Conversions Part 2

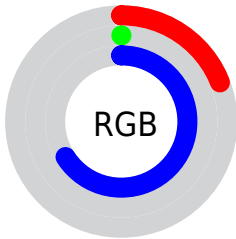
Format	Color
RYB	49, 0, 168
Decimal	3211432
CIELab	21.87, 58.89, -74.62
CIELCh	22, 95.058, 308.283
Yxy	3.4801, 0.1698, 0.0709
Android (android.graphics.Color)	4281401512 (0xFF3100A8)
YUV	33.8030, 66.1591, 13.3278
Hunter-Lab	18.6551, 47.1018, -105.4200

Details

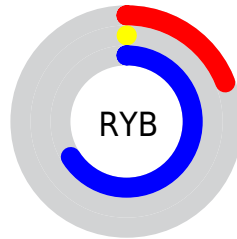
The YUV color **33.8030, 66.1591, 13.3278** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **134.1970, -66.1591, -13.3278**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.8420, 63.6749, 16.8016**, and **12.9960, 49.7950, -11.3975** is the 20% darker color. If you saturate the color by 10%, you get **33.8030, 66.1591, 13.3278**, and if you desaturate by 10%, it is **47.3700, 59.4706, 11.9535**.

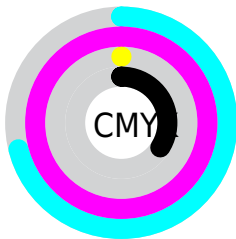
Distribution



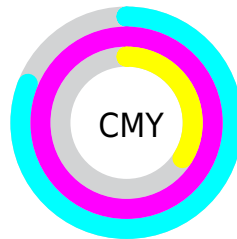
- Red (19%)
- Green (0%)
- Blue (66%)



- Red (19%)
- Yellow (0%)
- Blue (66%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)



- Cyan (81%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YUV color 33.8030, 66.1591, 13.3278 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 33.8030, 66.1591, 13.3278 by changing the saturation by 10% instead.

■ 33.8030, 66.1591,
13.3278

■ 33.8030, 66.1591,
13.3278

■ 253.8260, 0.5788,
1.0296

■ 16.0740, 61.5885,
-14.0969

■ 95.8420, 63.6749,
16.8016

■ 12.9960, 49.7950,
-11.3975

■ 123.3800, 64.3957,
18.9607

■ 10.1460, 38.8750,
-8.8980

■ 147.7260, 52.8861,
23.9193

■ 11.4050, 25.9293,
-10.0022

■ 172.5450, 40.6503,
28.4630

■ 6.4350, 17.0405,
-5.6435

■ 198.2500, 27.9778,
33.1067

■ 2.7530, 8.0098,
-2.4144

■ 220.3670, 17.0741,

■ 0.0000, 0.0000,

30.3731

0.0000

■ 236.8030, 8.9711,
15.9588

■ 33.8030, 66.1591,
13.3278

■ 47.3700, 59.4706,
11.9535

■ 60.9370, 52.7821,
10.5793

■ 73.9170, 46.3829,
9.7198

■ 87.4840, 39.6944,
8.3455

■ 101.0510, 33.0059,
6.9713

■ 114.3190, 26.4647,
4.9822

■ 127.8860, 19.7762,
3.6080

■ 140.8660, 13.3771,
2.7485

■ 154.4330, 6.6885,
1.3743

Harmonies

Analogous

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



58.6070, 69.7067, -51.3983



33.8030, 66.1591, 13.3278



54.5420, 25.3688, 76.7007

Triad

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



33.8030, 66.1591, 13.3278



43.4230, -21.4075, 53.1260



51.5320, 9.5977, -45.1936

Complementary

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



33.8030, 66.1591, 13.3278



134.1970, -66.1591, -13.3278

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.



42.2640, -20.8362, -37.0655



33.8030, 66.1591, 13.3278



47.5120, -23.4234, -0.4490

Square

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



33.8030, 66.1591, 13.3278



43.0560, -21.2266, 88.5279



39.3290, -19.3892, -34.4915



60.8000, 40.0316, -53.3216

Rectangle

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



33.8030, 66.1591, 13.3278



54.6800, 2.6228, 92.3656



39.3290, -19.3892, -34.4915



48.2090, -0.5960, -42.2793

Sweetspot

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



33.8030, 66.1591, 13.3278



167.0910, 25.5911, 5.1822



89.5920, 38.6551, -78.5722



78.1480, 15.7030, 3.3782



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



33.8030, 66.1591, 13.3278



44.1020, 86.2247, 17.4505



58.6200, 53.9243, 64.3543



77.5100, 3.1996, 0.4297



29.7290, 58.3076, 11.6387



4.0740, 7.8515, 1.6891

Inverse Universe

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



63.7980, 27.2146, 91.3852



83.1510, 35.4216, 119.1396



109.3800, -53.9243, -64.3543



79.0760, 1.4415, 4.3183



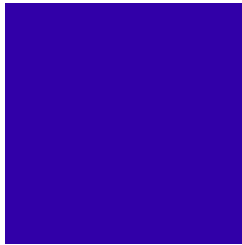
56.2220, 24.0476, 80.4893



7.5760, 3.1670, 10.8958

Previews

White Background



This preview shows how the YUV color 33.8030, 66.1591, 13.3278 looks on a white background.

Color Contrast Check

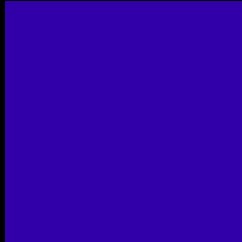
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8030, 66.1591, 13.3278 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 33.8030, 66.1591, 13.3278

Background



This preview shows how black text looks on a background with the YUV color 33.8030, 66.1591, 13.3278.



This preview shows how white text looks on a background with the YUV color 33.8030, 66.1591,

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



Protanopia

43.8790, 33.5837, -38.4819

Deuteranopia

44.2890, 25.0005, -38.8415

Tritanopia

43.2170, 10.7390, -37.9013

Trichromacy



Protanomaly

40.3880, 45.1647, -19.6343

Deuteranomaly

40.4220, 40.2180, -19.6641

Tritanomaly

39.9030, 30.6138, -19.2089

Monochromacy



Achromatopsia

34.0000, 0.0000, 0.0000

Achromatomaly

34.0370, 24.1388, 4.3526

CSS Examples

Text

The CSS property to change the color of the text to YUV 33.8030, 66.1591, 13.3278 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(49, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(49, 0, 168)  
}
```

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(49, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 0, 168) }
```

Border

The CSS property to change the border of an element to YUV 33.8030, 66.1591, 13.3278 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(49, 0, 168) }
```

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

```
.border{ border-color:rgb(49, 0, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 0, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(49, 0, 168)  
}
```


Background

The CSS property to change the background color of an element to YUV 33.8030, 66.1591, 13.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 0, 168) }
```

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

```
.background{ background-color: rgb(49, 0,  
168) }
```

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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