

Converting Colors

YUV(33.8990, -16.7122,
40.4306)

Have a look what the booklet for
YUV(33.8990, -16.7122, 40.4306)
contains.

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Color

**YUV(33.8990, -16.7122,
40.4306)**

Conversions

Conversions Part 1

Format	Color
Hex	501100
RGB	80, 17, 0
RGB Percent	31%, 7%, 0%
CMY	0.6863, 0.9333, 1.0000
CMYK	0.00, 0.79, 1.00, 0.69
HSL	13°, 100%, 16%
HSV	13°, 100%, 31%
XYZ	3.5087, 2.1064, 0.2216
YIQ	33.8990, 43.0050, 8.0690

Conversions

Conversions Part 2

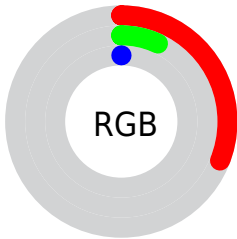
Format	Color
RYB	80, 22, 0
Decimal	5247232
CIELab	16.04, 28.40, 24.48
CIELCh	16, 37.492, 40.759
Yxy	2.1064, 0.6011, 0.3609
Android (android.graphics.Color)	4283437312 (0xFF501100)
YUV	33.8990, -16.7122, 40.4306
Hunter-Lab	14.5133, 17.7554, 9.2539

Details

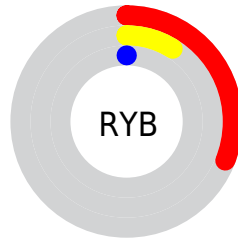
The YUV color **33.8990, -16.7122, 40.4306** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **46.1010, 16.7122, -40.4306**, and the grayscale version is **34.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **82.9920, -17.7441, 44.7340**, and **7.2900, -3.1010, 14.6547** is the 20% darker color. If you saturate the color by 10%, you get **33.8990, -16.7122, 40.4306**, and if you desaturate by 10%, it is **38.3330, -14.9542, 36.5420**.

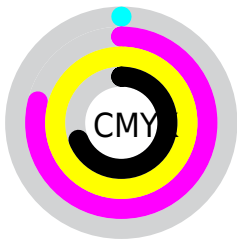
Distribution



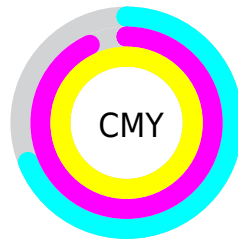
- Red (31%)
- Green (7%)
- Blue (0%)



- Red (31%)
- Yellow (9%)
- Blue (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (100%)
- Black (69%)





- Cyan (69%)
- Magenta (93%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YUV color 33.8990, -16.7122, 40.4306 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 33.8990, -16.7122, 40.4306 by changing the saturation by 10% instead.


 33.8990, -16.7122,
40.4306

 33.8990, -16.7122,
40.4306

 249.3460,
-11.5096, 4.9586

 15.8470, -7.8126,
32.5832


 82.9920, -17.7441,
44.7340

 7.2900, -3.1010,
14.6547

 108.9600,
-19.2073, 47.3931

 0.0000, 0.0000,
0.0000


 134.6290,
-20.5231, 49.4374


 161.7110,
-21.5495, 51.9965


 189.4940,
-22.4285, 53.9408


 209.5030,


-19.4750, 39.9009


 229.1310,
-15.3476, 22.6871


 33.8990, -16.7122,
40.4306

 38.3330, -14.9542,
36.5420

 43.3540, -13.4855,
32.1385

 47.7880, -11.7275,
28.2499

 52.2220, -9.9694,
24.3613

 57.2430, -8.5008,
19.9579

■ 61.6770, -6.7428,
16.0693

■ 66.1110, -4.9847,
12.1807

■ 70.5450, -3.2267,
8.2920

■ 75.5660, -1.7580,
3.8886

Harmonies

Analogous

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



30.2370, 0.8692, 48.0272



33.8990, -16.7122, 40.4306



37.9200, -18.6946, 22.8722

Triad

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



33.8990, -16.7122, 40.4306



31.7440, -5.2968, -27.8395



34.0820, 29.0466, -29.8899

Complementary

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



33.8990, -16.7122, 40.4306



46.1010, 16.7122, -40.4306

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.



38.5500, 25.8579, -33.8083



33.8990, -16.7122, 40.4306



35.5230, 6.6442, -31.1537

Square

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



33.8990, -16.7122, 40.4306



31.1770, -15.3703, -16.8182



38.3730, 17.5641, -33.6531



40.6310, 19.9019, 9.9706

Rectangle

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



33.8990, -16.7122, 40.4306



37.8430, -18.6566, 10.6617



38.3730, 17.5641, -33.6531



35.9570, 28.6152, -31.5343

Sweetspot

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



33.8990, -16.7122, 40.4306



86.6770, -6.7428, 16.0693



31.2160, 16.1625, 42.7836



42.3280, -4.1057, 10.2363



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.



33.8990, -16.7122, 40.4306



44.3090, -21.8443, 53.2260



56.7920, -27.9985, 20.3534



38.7830, -0.8790, 1.9443



98.1310, -48.3786, 117.4031

Inverse Universe

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



46.1010, 16.7122, -40.4306



60.1040, 22.1337, -52.7112



23.2080, 27.9985, -20.3534



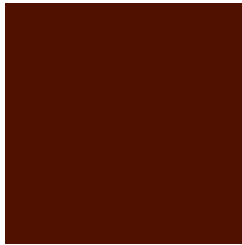
39.2170, 0.8790, -1.9443



133.8690, 48.3786, -117.4031

Previews

White Background



This preview shows how the YUV color 33.8990, -16.7122, 40.4306 looks on a white background.

Color Contrast Check

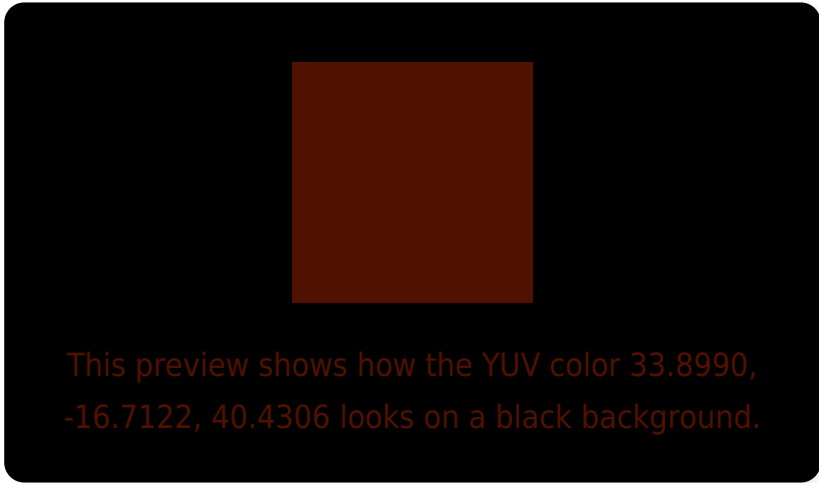
Large Text (above 18pt) WCAG AA ✓ Pass

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

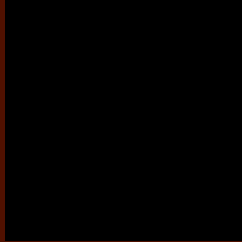
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 33.8990, -16.7122, 40.4306

Background



This preview shows how black text looks on a background with the YUV color 33.8990, -16.7122, 40.4306.

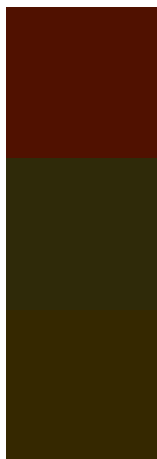


This preview shows how white text looks on a background with the YUV color 33.8990, -16.7122,

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

33.8990, -16.7122, 40.4306

Protanopia

39.7330, -15.1514, 6.3732

Deuteranopia

39.3270, -19.3882, 11.9912



Tritanopia

35.1360, -9.4340, 39.3457

Trichromacy



Original Color

33.8990, -16.7122, 40.4306

Protanomaly

37.6960, -15.6261, 18.6836

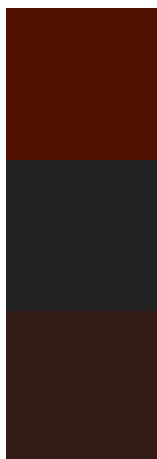
Deuteranomaly

37.6210, -18.5472, 22.2574

Tritanomaly

34.4520, -12.0548, 39.9456

Monochromacy



Original Color

33.8990, -16.7122, 40.4306

Achromatopsia

34.0000, 0.0000, 0.0000

Achromatomaly

34.1930, -6.0111, 14.7397

CSS Examples

Text

The CSS property to change the color of the text to YUV 33.8990, -16.7122, 40.4306 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(80, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 17, 0)  
}
```

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(80, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 17, 0) }
```

Border

The CSS property to change the border of an element to YUV 33.8990, -16.7122, 40.4306 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(80, 17, 0) }
```

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

```
.border{ border-color:rgb(80, 17, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 17, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 17, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 17, 0); box-shadow:4px  
4px 4px 4px rgb(80, 17, 0) }
```

Background

The CSS property to change the background color of an element to YUV 33.8990, -16.7122, 40.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 17, 0) }
```

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

```
.background{ background-color: rgb(80, 17,  
0) }
```

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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