

# Converting Colors

YUV(33.4320, 18.5210, 32.9471)

Have a look what the booklet for  
YUV(33.4320, 18.5210, 32.9471)  
contains.

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# Color

**YUV(33.4320, 18.5210,  
32.9471)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	470747
RGB	71, 7, 71
RGB Percent	28%, 3%, 28%
CMY	0.7216, 0.9725, 0.7216
CMYK	0.00, 0.90, 0.00, 0.72
HSL	300°, 82%, 15%
HSV	300°, 90%, 28%
XYZ	3.8118, 1.9465, 6.1360
YIQ	33.4320, 17.6000, 33.4720

# Conversions

## Conversions Part 2

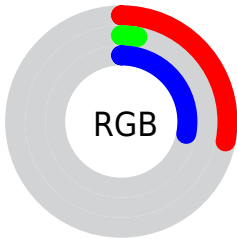
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 7, 71
Decimal	4654919
CIE <sub>Lab</sub>	15.20, 36.65, -22.88
CIE <sub>LCh</sub>	15, 43.203, 328.024
Yxy	1.9465, 0.3205, 0.1636
Android (android.graphics.Color)	4282844999 (0xFF470747)
YUV	33.4320, 18.5210, 32.9471
Hunter-Lab	13.9516, 24.3541, -16.3100

# Details

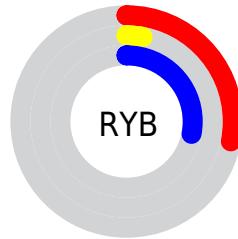
The YUV color **33.4320, 18.5210, 32.9471** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **44.5680, -18.5210, -32.9471**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.7910, 17.3580, 32.6323**, and **9.3570, 8.6980, 10.2109** is the 20% darker color. If you saturate the color by 10%, you get **29.3230, 20.5468, 36.5507**, and if you desaturate by 10%, it is **37.5410, 16.4953, 29.3435**.

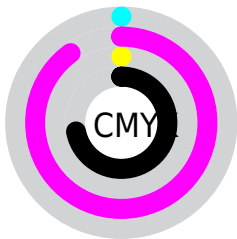
# Distribution



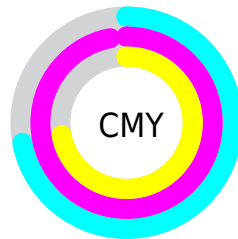
- Red (28%)
- Green (3%)
- Blue (28%)



- Red (28%)
- Yellow (3%)
- Blue (28%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (72%)



- Cyan (72%)
- Magenta (97%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 33.4320, 18.5210, 32.9471 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 33.4320, 18.5210, 32.9471 by changing the saturation by 10% instead.



■ 33.4320, 18.5210,  
32.9471

■ 33.4320, 18.5210,  
32.9471

■ 249.7170, 2.6045,  
4.6332

■ 19.5250, 14.0382,  
24.0956

■ 84.7910, 17.3580,  
32.6323

■ 9.3570, 8.6980,  
10.2109

■ 110.5030, 17.5000,  
33.7619

■ 0.0000, 0.0000,  
0.0000

■ 136.2150, 17.6420,  
34.8914


■ 163.0410, 18.2208,  
35.9210


■ 190.7530, 18.3628,  
37.0506


■ 216.2580, 19.0998,


33.9767

 232.6940, 10.9969,  
19.5624


 33.4320, 18.5210,  
32.9471


 33.4320, 18.5210,  
32.9471

 29.3230, 20.5468,  
36.5507

 37.5410, 16.4953,  
29.3435

 41.6500, 14.4695,  
25.7400

 45.7590, 12.4438,  
22.1364

 49.8680, 10.4181,  
18.5328

 54.5640, 8.1029,  
14.4144

■ 58.6730, 6.0772,  
10.8108

■ 62.7820, 4.0515,  
7.2072

■ 66.8910, 2.0257,  
3.6036

■ 71.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



35.6760, 28.2607, -11.1169



33.4320, 18.5210, 32.9471



31.1000, 5.3737, 49.9013

# Triad

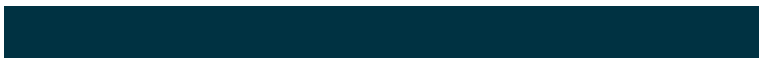
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.4320, 18.5210, 32.9471



36.0820, -17.7884, 12.2061



36.8740, 14.3591, -32.3385

# Complementary

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



33.4320, 18.5210, 32.9471



44.5680, -18.5210, -32.9471

# 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.



33.3400, 0.8184, -29.2392



33.4320, 18.5210, 32.9471



31.8080, -15.6813, -10.3556

# Square

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



33.4320, 18.5210, 32.9471



34.7410, -17.1273, 33.5531



28.1760, -13.8908, -24.7104



39.0230, 25.1317, -34.2232



# Rectangle

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



33.4320, 18.5210, 32.9471



29.1190, -3.5097, 52.5156



28.1760, -13.8908, -24.7104



35.7340, 9.9911, -31.3387

# Sweetspot

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



33.4320, 18.5210, 32.9471



77.3250, 7.2348, 12.8700



14.2960, 27.9551, -6.3986



37.1950, 4.3409, 7.7220



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



33.4320, 18.5210, 32.9471



37.9960, 26.6240, 47.3615



29.7840, 4.5435, 36.1464



33.6520, 1.1576, 2.0592



40.8870, 28.6497, 50.9651



93.7510, 65.6918, 116.8594



# Inverse Universe

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



33.4320, 18.5210, 32.9471



37.9960, 26.6240, 47.3615



48.2160, -4.5435, -36.1464



33.6520, 1.1576, 2.0592



40.8870, 28.6497, 50.9651

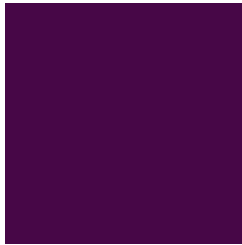


93.7510, 65.6918, 116.8594



# Previews

## White Background



This preview shows how the YUV color 33.4320, 18.5210, 32.9471 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

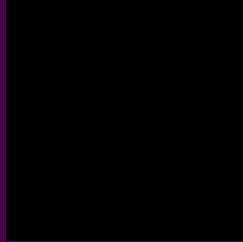
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 33.4320, 18.5210, 32.9471

## Background



This preview shows how black text looks on a background with the YUV color 33.4320, 18.5210, 32.9471.



This preview shows how white text looks on a background with the YUV color 33.4320, 18.5210,



# 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

33.4320, 18.5210, 32.9471

### Protanopia

33.0560, 25.1154, -28.9901

### Deuteranopia

39.1800, 13.7153, -12.4359



## Tritanopia

39.8890, -4.8753, 23.7763

# Trichromacy



## Original Color

33.4320, 18.5210, 32.9471

## Protanomaly

33.2160, 22.5715, -6.3284

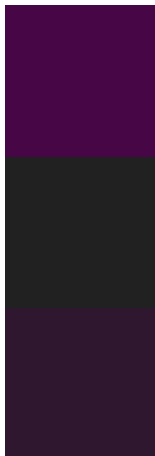
## Deuteranomaly

37.3330, 15.1188, 4.0930

## Tritanomaly

37.2020, 3.8444, 27.0098

# Monochromacy



## Original Color

33.4320, 18.5210, 32.9471

## Achromatopsia

33.0000, 0.0000, 0.0000

## Achromatomaly

33.4990, 6.6560, 11.8404

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 33.4320, 18.5210, 32.9471 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(71, 7, 71)` looks like.

```
.text, #text, p{  
    color:rgb(71, 7, 71)  
}
```

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(71, 7, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 7, 71) }
```

## Border

The CSS property to change the border of an element to YUV 33.4320, 18.5210, 32.9471 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(71, 7, 71) }
```



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

```
.border{ border-color:rgb(71, 7, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 7, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 7, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 7, 71); box-shadow:4px  
4px 4px 4px rgb(71, 7, 71) }
```

# Background

The CSS property to change the background color of an element to YUV 33.4320, 18.5210, 32.9471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 7, 71) }
```

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

```
.background{ background-color: rgb(71, 7,  
71) }
```

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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