

# Converting Colors

YUV(32.5590, -7.6706, 33.7128)

Have a look what the booklet for  
YUV(32.5590, -7.6706, 33.7128)  
contains.

|  |    |
|--|----|
| <b>YUV(32.5590, -7.6706, 33.7128)</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(32.5590, -7.6706,  
33.7128)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 471011                    |
| RGB           | 71, 16, 17                |
| RGB Percent   | 28%, 6%, 7%               |
| CMY           | 0.7216, 0.9373, 0.9333    |
| CMYK          | 0.00, 0.77, 0.76, 0.72    |
| HSL           | 359°, 63%, 17%            |
| HSV           | 359°, 77%, 28%            |
| XYZ           | 2.8850, 1.7506, 0.7162    |
| YIQ           | 32.5590, 32.4590, 11.9710 |

# Conversions

## Conversions Part 2

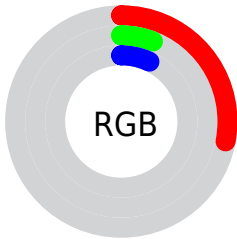
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">71, 16, 17</a>                  |
| Decimal                             | <a href="#">4657169</a>                     |
| CIELab                              | <a href="#">14.12, 26.14, 14.10</a>         |
| CIElCh                              | <a href="#">14, 29.702, 28.344</a>          |
| Yxy                                 | <a href="#">1.7506, 0.5391, 0.3271</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4282847249<br/>(0xFF471011)</a> |
| YUV                                 | <a href="#">32.5590, -7.6706, 33.7128</a>   |
| Hunter-Lab                          | <a href="#">13.2312, 15.7665, 6.0526</a>    |

# Details

The YUV color **32.5590, -7.6706, 33.7128** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **54.4410, 7.6706, -33.7128**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **80.1960, -10.4496, 38.4161**, and **0.5980, -0.2948, 1.2296** is the 20% darker color. If you saturate the color by 10%, you get **27.6520, -8.7024, 38.0162**, and if you desaturate by 10%, it is **37.4660, -6.6387, 29.4093**.

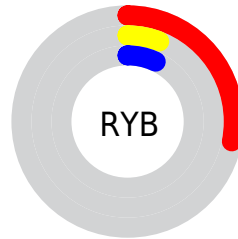
# Distribution



Red (28%)

Green (6%)

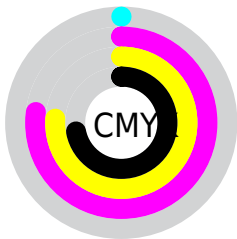
Blue (7%)



Red (28%)

Yellow (6%)

Blue (7%)

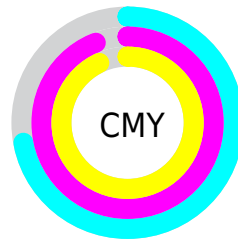


Cyan (0%)

Magenta (77%)

Yellow (76%)

Black (72%)



Cyan (72%)

Magenta (94%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 32.5590, -7.6706, 33.7128 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 32.5590, -7.6706, 33.7128 by changing the saturation by 10% instead.





 32.5590, -7.6706,  
33.7128

 32.5590, -7.6706,  
33.7128

 249.2950, -4.0894,  
5.0033

 14.0530, -6.9281,  
28.8945


 80.1960, -10.4496,  
38.4161


 0.5980, -0.2948,  
1.2296

 104.9790,  
-11.3286, 40.3604

 0.0000, 0.0000,  
0.0000

 130.7620,  
-12.2077, 42.3047

 157.3600,  
-12.5025, 43.5343

 185.1430,  
-13.3815, 45.4786

 209.4520,

-12.0548, 39.9456

228.9660, -8.3642,  
22.8318

32.5590, -7.6706,  
33.7128

32.5590, -7.6706,  
33.7128

27.6520, -8.7024,  
38.0162

37.4660, -6.6387,  
29.4093

22.7450, -9.7343,  
42.3196

42.3730, -5.6069,  
25.1059

21.3430, -10.0291,  
43.5492

47.2800, -4.5750,  
20.8024

52.1870, -3.5432,  
16.4990

57.0940, -2.5113,  
12.1956

■ 62.5880, -1.7689,  
7.3773

■ 67.4950, -0.7370,  
3.0739

■ 72.4020, 0.2948,  
-1.2296

■ 77.3090, 1.3267,  
-5.5330

# Harmonies

## Analogous

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



32.6050, 2.6597, 33.6724



32.5590, -7.6706, 33.7128



33.8000, -16.6634, 24.7314

# Triad

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



32.5590, -7.6706, 33.7128



27.0820, -7.9284, -23.7509



31.7850, 22.7840, -27.8754

# Complementary

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



32.5590, -7.6706, 33.7128



54.4410, 7.6706, -33.7128

# 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.



33.3350, 18.5688, -29.2348



32.5590, -7.6706, 33.7128



30.2910, 1.8285, -26.5652

# Square

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



32.5590, -7.6706, 33.7128



31.5530, -15.5556, -3.9930



32.6850, 11.0013, -28.6647



36.0870, 18.1981, -3.5843



# Rectangle

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



32.5590, -7.6706, 33.7128



34.3320, -16.9257, 15.4948



32.6850, 11.0013, -28.6647



32.8450, 21.7684, -28.8051

# Sweetspot

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



32.5590, -7.6706, 33.7128



77.2790, -3.0955, 12.9103



38.1170, 16.2113, 27.0844



36.8870, -1.9163, 7.9921



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.



32.5590, -7.6706, 33.7128



31.9420, -11.8034, 52.6709



47.7070, -15.6316, 20.4280



33.1960, -0.5896, 2.4591



29.8290, -13.7197, 60.6630



68.3290, -31.7142, 139.1545



# Inverse Universe

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



32.5590, -7.6706, 33.7128



31.9420, -11.8034, 52.6709



39.2930, 15.6316, -20.4280



33.1960, -0.5896, 2.4591



29.8290, -13.7197, 60.6630

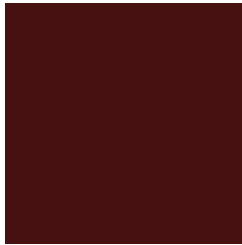


68.3290, -31.7142, 139.1545



# Previews

## White Background



This preview shows how the YUV color 32.5590, -7.6706, 33.7128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

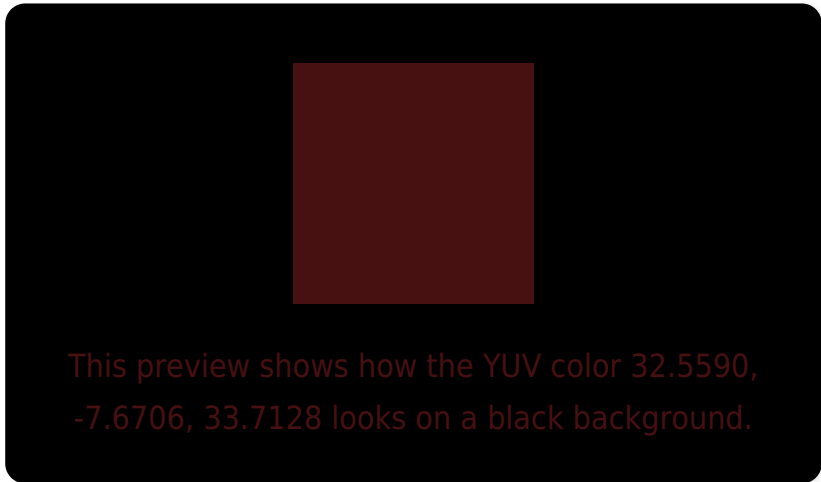
Any Text WCAG AA ✓ Pass

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

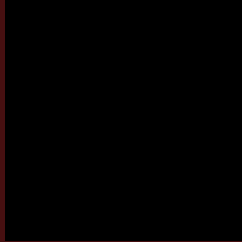
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 32.5590, -7.6706, 33.7128

## Background



This preview shows how black text looks on a background with the YUV color 32.5590, -7.6706, 33.7128.



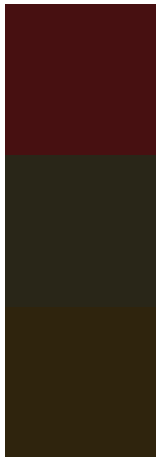
This preview shows how white text looks on a background with the YUV color 32.5590, -7.6706,



# 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

32.5590, -7.6706, 33.7128

### Protanopia

37.3010, -6.5574, 3.2440

### Deuteranopia

36.6670, -11.6678, 9.0620



## Tritanopia

32.4450, -8.1074, 33.8127

# Trichromacy



## Original Color

32.5590, -7.6706, 33.7128

## Protanomaly

35.5520, -7.1741, 14.4249

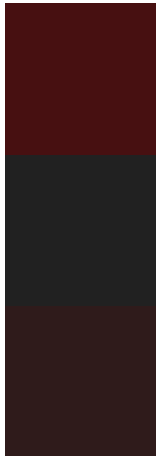
## Deuteranomaly

35.3630, -10.5320, 18.0986

## Tritanomaly

32.4450, -8.1074, 33.8127

# Monochromacy



## Original Color

32.5590, -7.6706, 33.7128

## Achromatopsia

33.0000, 0.0000, 0.0000

## Achromatomaly

32.9800, -2.9481, 12.2955

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 32.5590, -7.6706, 33.7128 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, 16, 17)` looks like.

```
.text, #text, p{  
    color:rgb(71, 16, 17)  
}
```

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, 16, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 16, 17) }
```

## Border

The CSS property to change the border of an element to YUV 32.5590, -7.6706, 33.7128 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, 16, 17) }
```



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

```
.border{ border-color:rgb(71, 16, 17) }
```

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

Here you see how a box with a 4 pixel rgb(71, 16, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 16, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 16, 17);  
box-shadow:4px 4px 4px 4px rgb(71, 16, 17)  
}
```

# Background

The CSS property to change the background color of an element to YUV 32.5590, -7.6706, 33.7128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 16, 17) }
```

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

```
.background{ background-color: rgb(71, 16,  
17) }
```

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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