

# Converting Colors

YUV(52.9310, 28.1350,  
-17.4795)

Have a look what the booklet for  
YUV(52.9310, 28.1350, -17.4795)  
contains.

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# Color

**YUV(52.9310, 28.1350,  
-17.4795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21346E
RGB	33, 52, 110
RGB Percent	13%, 20%, 43%
CMY	0.8706, 0.7961, 0.5686
CMYK	0.70, 0.53, 0.00, 0.57
HSL	225°, 54%, 28%
HSV	225°, 70%, 43%
XYZ	4.6697, 3.9051, 15.2595
YIQ	52.9310, -29.9420, 14.0100

# Conversions

## Conversions Part 2

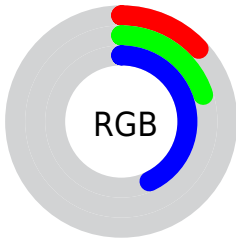
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 48, 110
Decimal	2176110
CIE <sub>Lab</sub>	23.36, 13.49, -36.03
CIE <sub>LCh</sub>	23, 38.475, 290.529
Yxy	3.9051, 0.1959, 0.1638
Android (android.graphics.Color)	4280366190 (0xFF21346E)
YUV	52.9310, 28.1350, -17.4795
Hunter-Lab	19.7613, 7.5977, -31.9502

# Details

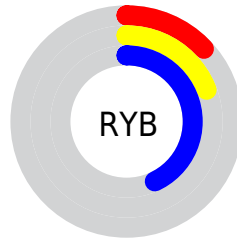
The YUV color **52.9310, 28.1350, -17.4795** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **90.0690, -28.1350, 17.4795**, and the grayscale version is **53.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **102.0070, 29.5765, -13.1611**, and **11.1770, 25.0557, -9.8022** is the 20% darker color. If you saturate the color by 10%, you get **44.9460, 32.0716, -20.1236**, and if you desaturate by 10%, it is **60.9160, 24.1984, -14.8353**.

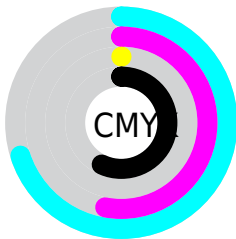
# Distribution



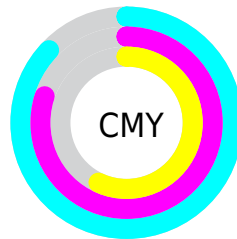
- Red (13%)
- Green (20%)
- Blue (43%)



- Red (13%)
- Yellow (19%)
- Blue (43%)



- Cyan (70%)
- Magenta (53%)
- Yellow (0%)
- Black (57%)



- Cyan (87%)
- Magenta (80%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 52.9310, 28.1350, -17.4795 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 52.9310, 28.1350, -17.4795 by changing the saturation by 10% instead.



■ 52.9310, 28.1350,  
-17.4795

■ 52.9310, 28.1350,  
-17.4795

■ 255.0000, 0.0000,  
0.0000

■ 27.8870, 28.1567,  
-24.4569

■ 102.0070, 29.5765,  
-13.1611

■ 11.1770, 25.0557,  
-9.8022

■ 127.8330, 30.1553,  
-12.1315

■ 6.2070, 16.1669,  
-5.4435

■ 154.3600, 30.8815,  
-11.7167

■ 2.5250, 7.1362,  
-2.2144

■ 181.0010, 32.0445,  
-11.4019

■ 0.0000, 0.0000,  
0.0000

■ 206.8350, 23.7453,  
-9.5023

■ 231.9420, 11.3676,

-6.0881

254.7010, 0.1474,  
-0.6148

■ 52.9310, 28.1350,  
-17.4795

■ 52.9310, 28.1350,  
-17.4795

■ 44.9460, 32.0716,  
-20.1236

■ 60.9160, 24.1984,  
-14.8353

■ 36.3740, 36.2976,  
-22.2530

■ 69.4880, 19.9724,  
-12.7060

■ 28.3890, 40.2342,  
-24.8972

■ 77.4730, 16.0358,  
-10.0618

■ 85.4580, 12.0992,  
-7.4177

■ 93.4430, 8.1626,  
-4.7735

■ 102.0150, 3.9366,  
-2.6442

■ 110.0000, 0.0000,  
0.0000

■ 117.9850, -3.9366,  
2.6442

■ 126.5570, -8.1626,  
4.7735

# Harmonies

## Analogous

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



49.2760, 31.4159, -43.2151



52.9310, 28.1350, -17.4795



57.1270, 17.6854, 20.9366

# Triad

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



52.9310, 28.1350, -17.4795



52.1500, -20.7799, 38.4565



45.0460, -0.0227, -39.5053

# Complementary

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



52.9310, 28.1350, -17.4795



90.0690, -28.1350, 17.4795

# 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.



41.6590, -13.1429, -31.2729



52.9310, 28.1350, -17.4795



52.9600, -26.1093, 21.0831

# Square

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



52.9310, 28.1350, -17.4795



51.1740, -6.9878, 48.0824



50.1700, -24.7338, -0.1491



49.0530, 12.7919, -43.0195



# Rectangle

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



52.9310, 28.1350, -17.4795



53.9890, 10.3584, 37.7206



50.1700, -24.7338, -0.1491



43.3190, -4.1013, -37.9908

# Sweetspot

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



52.9310, 28.1350, -17.4795



120.5290, 11.0782, -6.6029



84.8110, 3.0512, -45.4382



58.2860, 6.2680, -3.7588



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



52.9310, 28.1350, -17.4795



53.7030, 44.0234, -26.9265



47.4590, 30.8327, 3.9825



51.8580, 2.0420, -1.6295



31.2900, 43.7340, -27.4413



63.9650, 90.2363, -56.0973



# Inverse Universe

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



58.1890, -3.0512, 45.4382



62.1860, -5.0217, 70.8739



95.5410, -30.8327, -3.9825



52.0220, -0.0108, 3.4887



39.3000, -4.5849, 70.7739



80.8070, -9.7649, 145.7513



# Previews

## White Background



This preview shows how the YUV color 52.9310, 28.1350, -17.4795 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 52.9310, 28.1350, -17.4795 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

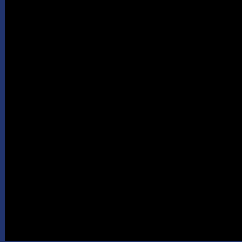
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 52.9310, 28.1350, -17.4795

## Background



This preview shows how black text looks on a background with the YUV color 52.9310, 28.1350, -17.4795.



This preview shows how white text looks on a background with the YUV color 52.9310, 28.1350,



# 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

52.9310, 28.1350, -17.4795

### Protanopia

48.9510, 31.0832, -29.7750

### Deuteranopia

44.7450, 26.7477, -39.2414



## Tritanopia

44.0320, 11.3232, -38.6161

# Trichromacy



## Original Color

52.9310, 28.1350, -17.4795

## Protanomaly

50.3430, 29.9039, -24.8568

## Deuteranomaly

47.6150, 27.3048, -31.2344

## Tritanomaly

47.0960, 17.7007, -30.7792

# Monochromacy



## Original Color

52.9310, 28.1350, -17.4795

## Achromatopsia

53.0000, 0.0000, 0.0000

## Achromatomaly

53.3010, 10.2046, -6.4030

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 52.9310, 28.1350, -17.4795 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(33, 52, 110)` looks like.

```
.text, #text, p{  
    color:rgb(33, 52, 110)  
}
```

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(33, 52, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 52, 110) }
```

## Border

The CSS property to change the border of an element to YUV 52.9310, 28.1350, -17.4795 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(33, 52, 110) }
```



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

```
.border{ border-color:rgb(33, 52, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 52, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 52, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 52, 110);  
box-shadow:4px 4px 4px 4px rgb(33, 52,  
110) }
```

# Background

The CSS property to change the background color of an element to YUV 52.9310, 28.1350, -17.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 52, 110) }
```

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

```
.background{ background-color: rgb(33, 52,  
110) }
```

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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