

# Converting Colors

YUV(45.9950, 51.2745,  
-19.2896)

Have a look what the booklet for  
YUV(45.9950, 51.2745, -19.2896)  
contains.

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# Color

**YUV(45.9950, 51.2745,  
-19.2896)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	182596
RGB	24, 37, 150
RGB Percent	9%, 15%, 59%
CMY	0.9059, 0.8549, 0.4118
CMYK	0.84, 0.75, 0.00, 0.41
HSL	234°, 72%, 34%
HSV	234°, 84%, 59%
XYZ	6.5433, 3.7193, 29.2272
YIQ	45.9950, -44.0210, 32.3870

# Conversions

## Conversions Part 2

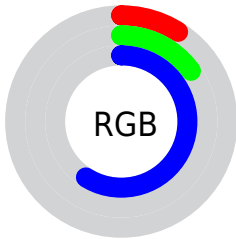
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 36, 150
Decimal	1582486
CIE Lab	22.72, 38.02, -62.25
CIE LCh	23, 72.947, 301.414
Yxy	3.7193, 0.1657, 0.0942
Android (android.graphics.Color)	4279772566 (0xFF182596)
YUV	45.9950, 51.2745, -19.2896
Hunter-Lab	19.2856, 26.8123, -76.3538

# Details

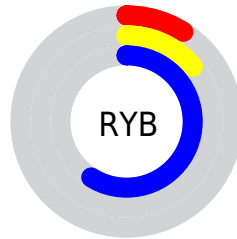
The YUV color **45.9950, 51.2745, -19.2896** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **128.0050, -51.2745, 19.2896**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.1970, 51.6679, -5.4348**, and **11.1720, 42.8062, -9.7978** is the 20% darker color. If you saturate the color by 10%, you get **33.8790, 57.2477, -21.8189**, and if you desaturate by 10%, it is **58.1110, 45.3013, -16.7603**.

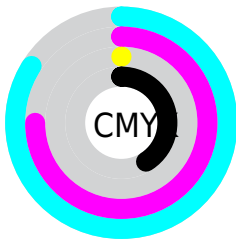
# Distribution



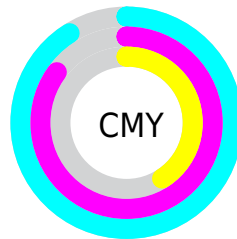
- Red (9%)
- Green (15%)
- Blue (59%)



- Red (9%)
- Yellow (14%)
- Blue (59%)



- Cyan (84%)
- Magenta (75%)
- Yellow (0%)
- Black (41%)



- Cyan (91%)
- Magenta (85%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.9950, 51.2745, -19.2896 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 45.9950, 51.2745, -19.2896 by changing the saturation by 10% instead.



■ 45.9950, 51.2745,  
-19.2896

■ 45.9950, 51.2745,  
-19.2896

■ 255.0000, 0.0000,  
0.0000

■ 23.4140, 49.0959,  
-20.5341

■ 100.1970, 51.6679,  
-5.4348

■ 11.1720, 42.8062,  
-9.7978

■ 126.2620, 53.1148,  
-2.8608

■ 10.0830, 31.0181,  
-8.8428

■ 152.8880, 50.3412,  
0.0982

■ 7.9340, 20.2455,  
-6.9581

■ 176.8210, 38.5422,  
4.5420

■ 3.7790, 11.9410,  
-3.3142

■ 201.3410, 26.4539,  
8.4709

■ 0.0000, 0.0000,  
0.0000

■ 226.7470, 13.9287,

12.4999

247.9560, 3.4727,  
6.1776

45.9950, 51.2745,  
-19.2896

45.9950, 51.2745,  
-19.2896

33.8790, 57.2477,  
-21.8189

58.1110, 45.3013,  
-16.7603

25.9050, 61.1788,  
-22.7187

70.8140, 39.0387,  
-14.7459

82.9300, 33.0655,  
-12.2166

95.6330, 26.8029,  
-10.2021

107.7490, 20.8297,  
-7.6729

■ 120.4520, 14.5672,  
-5.6584

■ 132.5680, 8.5940,  
-3.1291

■ 145.2710, 2.3314,  
-1.1147

■ 157.3870, -3.6418,  
1.4146

# Harmonies

## Analogous

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



56.0190, 54.7136, -49.1287



45.9950, 51.2745, -19.2896



46.9960, 30.0750, 60.5165

# Triad

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



45.9950, 51.2745, -19.2896



45.7820, -22.5705, 52.8112



48.6480, 3.6245, -42.6643

# Complementary

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



45.9950, 51.2745, -19.2896



128.0050, -51.2745, 19.2896

# 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.



41.0900, -20.2574, -36.0359



45.9950, 51.2745, -19.2896



51.4320, -25.3560, 12.7761

# Square

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



45.9950, 51.2745, -19.2896



40.0660, -19.7525, 82.3801



38.7420, -19.0998, -33.9767



56.0920, 27.0696, -49.1927



# Rectangle

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



45.9950, 51.2745, -19.2896



48.8720, 11.4021, 76.4113



38.7420, -19.0998, -33.9767



46.3680, -5.1114, -40.6647

# Sweetspot

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



45.9950, 51.2745, -19.2896



153.5210, 19.9561, -7.4729



110.6160, 12.0213, -75.9622



73.0670, 11.7990, -4.4438



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000



# Same Dimension

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



45.9950, 51.2745, -19.2896



33.8560, 78.9510, -29.6917



52.7160, 47.9610, 16.9121



67.7980, 3.0576, -0.6998



23.9500, 56.2266, -21.0042



1.7270, 4.0786, -1.5146



# Inverse Universe

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



63.1560, -12.8949, 76.1622



60.2860, -19.8610, 117.2672



121.2840, -47.9610, -16.9121



69.0930, -1.0318, 4.3034



42.8580, -14.2270, 83.4395

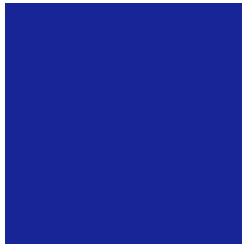


3.1040, -1.0373, 6.0478



# Previews

## White Background



This preview shows how the YUV color 45.9950, 51.2745, -19.2896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

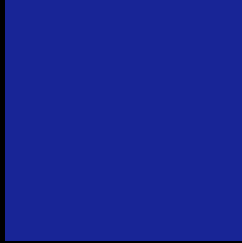
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 45.9950, 51.2745, -19.2896 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

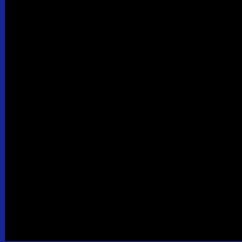
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 45.9950, 51.2745, -19.2896

## Background



This preview shows how black text looks on a background with the YUV color 45.9950, 51.2745, -19.2896.



This preview shows how white text looks on a background with the YUV color 45.9950, 51.2745,



# 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

45.9950, 51.2745, -19.2896

### Protanopia

43.7650, 33.1469, -38.3819

### Deuteranopia

43.5880, 24.8531, -38.2267



## Tritanopia

43.1030, 10.3022, -37.8013

# Trichromacy



## Original Color

45.9950, 51.2745, -19.2896

## Protanomaly

44.5300, 39.6717, -31.1598

## Deuteranomaly

44.4500, 34.2882, -31.0896

## Tritanomaly

44.0450, 25.1208, -30.7345

# Monochromacy



## Original Color

45.9950, 51.2745, -19.2896

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

46.1790, 18.6458, -7.1730

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.9950, 51.2745, -19.2896 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(24, 37, 150)` looks like.

```
.text, #text, p{  
    color:rgb(24, 37, 150)  
}
```

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(24, 37, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 37, 150) }
```

## Border

The CSS property to change the border of an element to YUV 45.9950, 51.2745, -19.2896 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(24, 37, 150) }
```



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

```
.border{ border-color:rgb(24, 37, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 37, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 37, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 37, 150);  
box-shadow:4px 4px 4px 4px rgb(24, 37,  
150) }
```

# Background

The CSS property to change the background color of an element to YUV 45.9950, 51.2745, -19.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 37, 150) }
```

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

```
.background{ background-color: rgb(24, 37,  
150) }
```

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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