

# Converting Colors

YUV(45.9450, 33.5511,  
-28.0158)

Have a look what the booklet for  
YUV(45.9450, 33.5511, -28.0158)  
contains.

<b>YUV(45.9450, 33.5511, -28.0158)</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(45.9450, 33.5511,  
-28.0158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0E3172
RGB	14, 49, 114
RGB Percent	5%, 19%, 45%
CMY	0.9451, 0.8078, 0.5529
CMYK	0.88, 0.57, 0.00, 0.55
HSL	219°, 78%, 25%
HSV	219°, 88%, 45%
XYZ	4.3167, 3.5049, 16.3686
YIQ	45.9450, -41.7250, 12.7950

# Conversions

## Conversions Part 2

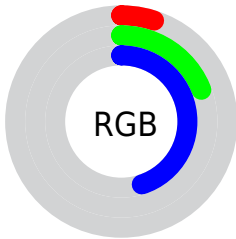
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 40, 114
Decimal	930162
CIE <sub>Lab</sub>	21.96, 14.76, -40.89
CIE <sub>LCh</sub>	22, 43.475, 289.849
Y <sub>xy</sub>	3.5049, 0.1784, 0.1449
Android (android.graphics.Color)	4279120242 (0xFF0E3172)
Y <sub>UV</sub>	45.9450, 33.5511, -28.0158
Hunter-Lab	18.7214, 8.3953, -38.7339

# Details

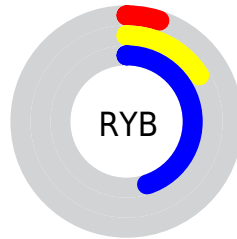
The YUV color **45.9450, 33.5511, -28.0158** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **82.0550, -33.5511, 28.0158**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.8260, 34.1028, -18.2644**, and **8.5840, 27.8131, -7.5282** is the 20% darker color. If you saturate the color by 10%, you get **38.5470, 37.1983, -31.1747**, and if you desaturate by 10%, it is **53.3430, 29.9039, -24.8568**.

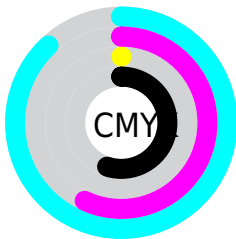
# Distribution



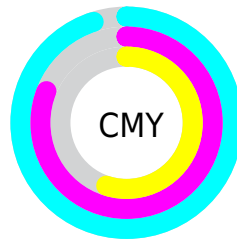
- Red (5%)
- Green (19%)
- Blue (45%)



- Red (5%)
- Yellow (16%)
- Blue (45%)



- Cyan (88%)
- Magenta (57%)
- Yellow (0%)
- Black (55%)



- Cyan (95%)
- Magenta (81%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.9450, 33.5511, -28.0158 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 45.9450, 33.5511, -28.0158 by changing the saturation by 10% instead.



■ 45.9450, 33.5511,  
-28.0158

■ 45.9450, 33.5511,  
-28.0158

■ 255.0000, 0.0000,  
0.0000

■ 27.1690, 30.4827,  
-23.8272

■ 97.8260, 34.1028,  
-18.2644

■ 8.5840, 27.8131,  
-7.5282

■ 123.3640, 34.8235,  
-16.1052

■ 6.5490, 17.4773,  
-5.7435

■ 149.8910, 35.5497,  
-15.6904

■ 2.8670, 8.4466,  
-2.5144

■ 176.8310, 36.5653,  
-14.7608

■ 0.0000, 0.0000,  
0.0000

■ 201.5080, 26.3716,  
-11.8465

■ 226.6150, 13.9938,

-8.4324

■ 252.3090, 1.3267,  
-5.5330

■ 45.9450, 33.5511,  
-28.0158

■ 45.9450, 33.5511,  
-28.0158

■ 38.5470, 37.1983,  
-31.1747

■ 53.3430, 29.9039,  
-24.8568

■ 36.4760, 38.2193,  
-31.9895

■ 61.6270, 25.8199,  
-21.5979

■ 69.0250, 22.1727,  
-18.4389

■ 77.3090, 18.0887,  
-15.1800

■ 84.7070, 14.4414,  
-12.0210

■ 92.1050, 10.7942,  
-8.8621

■ 100.3890, 6.7102,  
-5.6032

■ 107.7870, 3.0630,  
-2.4442

■ 116.0710, -1.0210,  
0.8147

# Harmonies

## Analogous

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



48.5580, 33.7419, -42.5854



45.9450, 33.5511, -28.0158



53.2350, 20.5901, 22.5959

# Triad

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



45.9450, 33.5511, -28.0158



46.9010, -23.1222, 43.0598



43.3020, -1.6279, -37.9759

# Complementary

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



45.9450, 33.5511, -28.0158



82.0550, -33.5511, 28.0158

# 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.



37.3230, -16.9212, -32.7323



45.9450, 33.5511, -28.0158



50.0140, -24.6569, 21.9127

# Square

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



45.9450, 33.5511, -28.0158



42.2120, -4.5415, 56.8191



47.2130, -23.2760, -1.0638



47.1780, 13.2232, -41.3751



# Rectangle

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



45.9450, 33.5511, -28.0158



47.9450, 13.8311, 43.8982



47.2130, -23.2760, -1.0638



41.4610, -6.1433, -36.3613

# Sweetspot

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



45.9450, 33.5511, -28.0158



121.6640, 12.9836, -11.1063



80.1100, -0.5472, -57.9785



58.3180, 7.7312, -6.4179



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



45.9450, 33.5511, -28.0158



47.3960, 49.5978, -41.5663



29.8850, 41.4687, -0.7761



51.8580, 2.0420, -1.6295



38.3340, 40.2613, -33.6189



79.2270, 82.7121, -69.4821



# Inverse Universe

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



47.8900, 0.5472, 57.9785



50.1800, 0.8973, 85.7881



98.1150, -41.4687, 0.7761



52.0220, -0.0108, 3.4887



40.6680, 0.6567, 69.5742



83.7710, 1.5919, 143.1518



# Previews

## White Background



This preview shows how the YUV color 45.9450, 33.5511, -28.0158 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 45.9450, 33.5511, -28.0158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

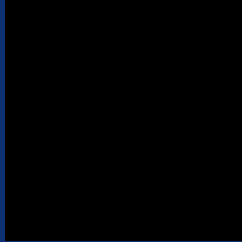
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 45.9450, 33.5511, -28.0158

## Background



This preview shows how black text looks on a background with the YUV color 45.9450, 33.5511, -28.0158.



This preview shows how white text looks on a background with the YUV color 45.9450, 33.5511,



# 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

45.9450, 33.5511, -28.0158

### Protanopia

42.2490, 32.4152, -37.0524

### Deuteranopia

42.3000, 24.9951, -37.0971



## Tritanopia

41.7010, 10.0074, -36.5718

# Trichromacy



## Original Color

45.9450, 33.5511, -28.0158

## Protanomaly

43.3850, 32.8412, -33.6636

## Deuteranomaly

43.5330, 28.3312, -33.7934

## Tritanomaly

43.0140, 18.7271, -33.3383

# Monochromacy



## Original Color

45.9450, 33.5511, -28.0158

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

45.8490, 12.3994, -10.3916

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.9450, 33.5511, -28.0158 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(14, 49, 114)` looks like.

```
.text, #text, p{  
    color:rgb(14, 49, 114)  
}
```

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(14, 49, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 49, 114) }
```

## Border

The CSS property to change the border of an element to YUV 45.9450, 33.5511, -28.0158 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(14, 49, 114) }
```



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

```
.border{ border-color:rgb(14, 49, 114) }
```

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

Here you see how a box with a 4 pixel rgb(14, 49, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 49, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 49, 114);  
box-shadow:4px 4px 4px 4px rgb(14, 49,  
114) }
```

# Background

The CSS property to change the background color of an element to YUV 45.9450, 33.5511, -28.0158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 49, 114) }
```

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

```
.background{ background-color: rgb(14, 49,  
114) }
```

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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