

# Converting Colors

YUV(93.3470, -46.0201,  
107.5667)

Have a look what the booklet for  
YUV(93.3470, -46.0201, 107.5667)  
contains.

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# Color

**YUV(93.3470, -46.0201,  
107.5667)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D83100
RGB	216, 49, 0
RGB Percent	85%, 19%, 0%
CMY	0.1529, 0.8078, 1.0000
CMYK	0.00, 0.77, 1.00, 0.15
HSL	14°, 100%, 42%
HSV	14°, 100%, 85%
XYZ	29.4172, 16.7956, 1.6914
YIQ	93.3470, 115.2610, 20.1650

# Conversions

## Conversions Part 2

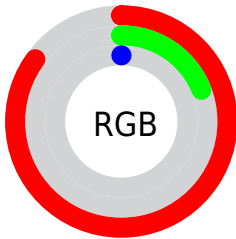
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 63, 0
Decimal	14168320
CIE <sub>Lab</sub>	48.00, 62.35, 60.44
CIE <sub>LCh</sub>	48, 86.836, 44.113
Yxy	16.7956, 0.6141, 0.3506
Android (android.graphics.Color)	4292358400 (0xFFD83100)
YUV	93.3470, -46.0201, 107.5667
Hunter-Lab	40.9824, 56.4084, 26.2407

# Details

The YUV color **93.3470, -46.0201, 107.5667** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **122.6530, 46.0201, -107.5667**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **146.7260, -44.2349, 94.9563**, and **45.1490, -22.2585, 92.8313** is the 20% darker color. If you saturate the color by 10%, you get **93.3470, -46.0201, 107.5667**, and if you desaturate by 10%, it is **105.8340, -41.3302, 96.6156**.

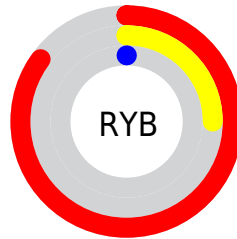
# Distribution



Red (85%)

Green (19%)

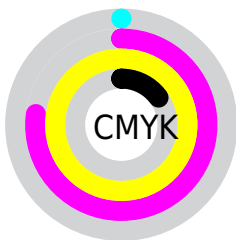
Blue (0%)



Red (85%)

Yellow (25%)

Blue (0%)

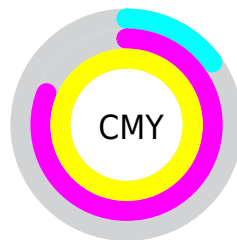


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (81%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 93.3470, -46.0201, 107.5667 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 93.3470, -46.0201, 107.5667 by changing the saturation by 10% instead.




 93.3470, -46.0201,  
107.5667


 93.3470, -46.0201,  
107.5667


 253.9740, -3.9312,  
0.8998


 55.0160, -27.1229,  
113.1190


 146.7260,  
-44.2349, 94.9563


 45.1490, -22.2585,  
92.8313


 166.1260,  
-40.9811, 77.9425


 35.5810, -17.5414,  
73.1585


 185.9990,  
-38.4535, 60.5139

 26.3120, -12.9718,  
54.1004

 206.1000,  
-35.0523, 42.8853

 18.2820, -7.5340,  
36.5867

 226.2010,  
-31.6511, 25.2567


 6.8770, -3.3904,  
14.1399


 246.8890,

 0.0000, 0.0000,

-28.5393, 7.1133


0.0000

 250.7820,  
-16.1615, 3.6992

 93.3470, -46.0201,  
107.5667

 105.8340,  
-41.3302, 96.6156

 117.6200,  
-36.7877, 86.2793

 130.1070,  
-32.0978, 75.3282

 142.4800,  
-27.8446, 64.4770

 154.9670,  
-23.1547, 53.5259

■ 166.8670,  
-18.1754, 43.0896

■ 179.2400,  
-13.9223, 32.2385

■ 191.7270, -9.2324,  
21.2874

■ 203.5130, -4.6899,  
10.9511

# Harmonies

## Analogous

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



80.3250, 1.3188, 137.4040



93.3470, -46.0201, 107.5667



107.4810, -52.9881, 55.7062

# Triad

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



93.3470, -46.0201, 107.5667



90.7470, -10.2283, -79.5851



94.8140, 78.9717, -83.1519

# Complementary

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



93.3470, -46.0201, 107.5667



122.6530, 46.0201, -107.5667

# 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.



107.7280, 72.6051, -94.4775



93.3470, -46.0201, 107.5667



100.8130, 23.2632, -88.4130

# Square

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



93.3470, -46.0201, 107.5667



79.2450, -39.0678, -69.4979



107.9780, 53.2548, -94.6967



113.2160, 53.1375, 36.6446



# Rectangle

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



93.3470, -46.0201, 107.5667



106.3750, -52.4429, 20.7191



107.9780, 53.2548, -94.6967



100.0970, 76.3672, -87.7851

# Sweetspot

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



93.3470, -46.0201, 107.5667



211.7030, -16.1226, 37.9715



83.8500, 41.9789, 115.8955



101.6240, -9.6746, 23.1318



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



93.3470, -46.0201, 107.5667



110.2910, -54.3735, 126.9098



155.5690, -76.6955, 52.9980



101.0500, -2.4896, 5.2182



74.0220, -36.4928, 85.0497



18.7270, -9.2324, 21.2874



# Inverse Universe

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



122.6530, 46.0201, -107.5667



144.7090, 54.3735, -126.9098



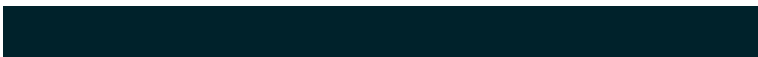
60.4310, 76.6955, -52.9980



102.5370, 2.2003, -5.7329



96.9780, 36.4928, -85.0497



24.8600, 8.9430, -21.8022



# Previews

## White Background



This preview shows how the YUV color 93.3470, -46.0201, 107.5667 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 × Fail



# Black Background



This preview shows how the YUV color 93.3470, -46.0201, 107.5667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 93.3470, -46.0201, 107.5667

## Background



This preview shows how black text looks on a background with the YUV color 93.3470, -46.0201, 107.5667.



This preview shows how white text looks on a background with the YUV color 93.3470, -46.0201,



# 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



### Protanopia

108.9260, -41.3755, 17.6049

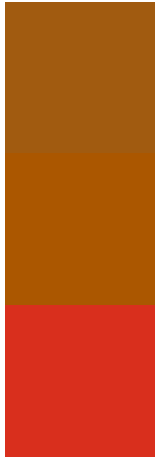
### Deuteranopia

107.3380, -52.9176, 33.0296

### Tritanopia

97.1290, -25.2066, 105.1269

# Trichromacy



## Protanomaly

103.3800, -43.0783, 50.5327

## Deuteranomaly

102.1980, -50.3836, 60.3394

## Tritanomaly

95.7780, -32.9216, 106.3117

# Monochromacy



## Achromatopsia

93.0000, 0.0000, 0.0000

## Achromatomaly

93.1870, -16.8542, 39.3010

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 93.3470, -46.0201, 107.5667 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(216, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 49, 0)  
}
```

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(216, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 49, 0) }
```

## Border

The CSS property to change the border of an element to YUV 93.3470, -46.0201, 107.5667 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(216, 49, 0) }
```

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

```
.border{ border-color:rgb(216, 49, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 49, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 49, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 93.3470, -46.0201, 107.5667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 49, 0) }
```

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

```
.background{ background-color: rgb(216, 49,  
0) }
```

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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