

# Converting Colors

YUV(68.2680, -15.9081,  
109.3900)

Have a look what the booklet for  
YUV(68.2680, -15.9081, 109.3900)  
contains.

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# Color

**YUV(68.2680, -15.9081,  
109.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C10B24
RGB	193, 11, 36
RGB Percent	76%, 4%, 14%
CMY	0.2431, 0.9569, 0.8588
CMYK	0.00, 0.94, 0.81, 0.24
HSL	352°, 89%, 40%
HSV	352°, 94%, 76%
XYZ	22.4304, 11.7042, 2.7460
YIQ	68.2680, 100.4470, 46.3590

# Conversions

## Conversions Part 2

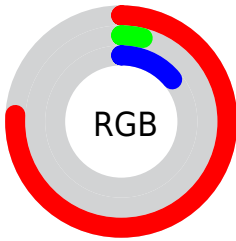
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 11, 36
Decimal	12651300
CIELab	40.74, 64.41, 39.18
CIElCh	41, 75.388, 31.313
Yxy	11.7042, 0.6082, 0.3174
Android (android.graphics.Color)	4290841380 (0xFFC10B24)
YUV	68.2680, -15.9081, 109.3900
Hunter-Lab	34.2114, 57.1623, 19.1890

# Details

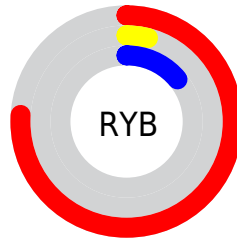
The YUV color **68.2680, -15.9081, 109.3900** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **135.7320, 15.9081, -109.3900**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.9610, -27.0958, 104.3972**, and **38.8700, -19.1629, 79.9210** is the 20% darker color. If you saturate the color by 10%, you get **60.7850, -16.6560, 115.9526**, and if you desaturate by 10%, it is **81.3590, -13.9810, 97.9092**.

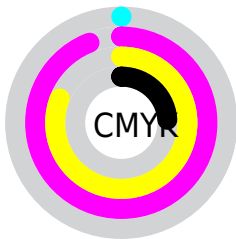
# Distribution



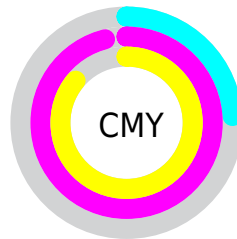
- Red (76%)
- Green (4%)
- Blue (14%)



- Red (76%)
- Yellow (4%)
- Blue (14%)



- Cyan (0%)
- Magenta (94%)
- Yellow (81%)
- Black (24%)



- Cyan (24%)
- Magenta (96%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.2680, -15.9081, 109.3900 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 68.2680, -15.9081, 109.3900 by changing the saturation by 10% instead.



■ 68.2680, -15.9081,  
109.3900

■ 68.2680, -15.9081,  
109.3900

255.0000, 0.0000,  
0.0000

■ 49.8490, -17.1806,  
97.4794

■ 135.9610,  
-27.0958, 104.3972

■ 38.8700, -19.1629,  
79.9210

■ 155.8340,  
-24.5682, 86.9686

■ 29.6010, -14.5933,  
60.8629

■ 175.7070,  
-22.0406, 69.5400

■ 21.2720, -9.0081,  
42.7345

■ 195.6940,  
-19.0761, 52.0114

■ 11.4760, -5.1647,  
23.2615

■ 215.9090,  
-15.2381, 34.2828

■ 0.0000, 0.0000,  
0.0000

■ 236.0100,

-11.8369, 16.6542

253.4040, -6.1152,  
1.3997

68.2680, -15.9081,  
109.3900

68.2680, -15.9081,  
109.3900

60.7850, -16.6560,  
115.9526

81.3590, -13.9810,  
97.9092

94.9230, -12.7800,  
86.0135

108.0140,  
-10.8529, 74.5327

121.1050, -8.9258,  
63.0519

134.0820, -7.4354,  
51.6711

■ 147.7600, -5.7977,  
39.6755

■ 160.8510, -3.8705,  
28.1947

■ 173.8280, -2.3802,  
16.8138

■ 187.5060, -0.7425,  
4.8182

# Harmonies

## Analogous

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



70.1460, 12.7460, 112.1280



68.2680, -15.9081, 109.3900



88.0660, -43.4165, 65.7171

# Triad

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



68.2680, -15.9081, 109.3900



71.9850, -21.1916, -63.1308



86.3560, 66.8725, -75.7342

# Complementary

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



68.2680, -15.9081, 109.3900



135.7320, 15.9081, -109.3900

# 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.



92.1630, 56.1216, -80.8270



68.2680, -15.9081, 109.3900



81.4980, 7.6425, -71.4737

# Square

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



68.2680, -15.9081, 109.3900



79.5200, -39.2034, -25.8890



89.1530, 34.4346, -78.1872



94.6420, 53.4205, -7.5790



# Rectangle

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



68.2680, -15.9081, 109.3900



90.8360, -44.7821, 36.9778



89.1530, 34.4346, -78.1872



89.6500, 64.2626, -78.6230

# Sweetspot

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



68.2680, -15.9081, 109.3900



202.0700, -5.9505, 42.0346



78.0930, 56.6492, 77.0944



95.5410, -3.7177, 25.8355



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



68.2680, -15.9081, 109.3900



78.6260, -22.0006, 150.2950



102.9860, -45.3491, 78.9423



90.2180, -0.6005, 5.9478



50.6470, -14.1230, 96.7796



10.4370, -2.6804, 19.7878



# Inverse Universe

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



68.2680, -15.9081, 109.3900



78.6260, -22.0006, 150.2950



101.0140, 45.3491, -78.9423



90.2180, -0.6005, 5.9478



50.6470, -14.1230, 96.7796



10.4370, -2.6804, 19.7878



# Previews

## White Background



This preview shows how the YUV color 68.2680, -15.9081, 109.3900 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



## 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 68.2680, -15.9081, 109.3900

## Background



This preview shows how black text looks on a background with the YUV color 68.2680, -15.9081, 109.3900.



This preview shows how white text looks on a background with the YUV color 68.2680, -15.9081,



# 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

68.2680, -15.9081, 109.3900

### Protanopia

95.9030, -19.6722, 9.7321

### Deuteranopia

93.6480, -36.3085, 25.7417



## Tritanopia

69.1850, -30.1642, 108.5858

# Trichromacy



## Original Color

68.2680, -15.9081, 109.3900

## Protanomaly

85.5900, -18.0389, 45.9636

## Deuteranomaly

84.1970, -28.6911, 55.9552

## Tritanomaly

68.5640, -24.9281, 109.1304

# Monochromacy



## Original Color

68.2680, -15.9081, 109.3900

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

67.7600, -5.7977, 39.6755

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.2680, -15.9081, 109.3900 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(193, 11, 36)` looks like.

```
.text, #text, p{  
    color:rgb(193, 11, 36)  
}
```

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(193, 11, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 11, 36) }
```

## Border

The CSS property to change the border of an element to YUV 68.2680, -15.9081, 109.3900 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(193, 11, 36) }
```



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

```
.border{ border-color:rgb(193, 11, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 11, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 11, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 11, 36);  
box-shadow:4px 4px 4px 4px rgb(193, 11,  
36) }
```

# Background

The CSS property to change the background color of an element to YUV 68.2680, -15.9081, 109.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 11, 36) }
```

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

```
.background{ background-color: rgb(193, 11,  
36) }
```

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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