

# Converting Colors

YUV(109.6210, -34.8162,  
107.3264)

Have a look what the booklet for  
YUV(109.6210, -34.8162, 107.3264)  
contains.

<b>YUV(109.6210, -34.8162, 107.3264)</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(109.6210, -34.8162,  
107.3264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E83D27
RGB	232, 61, 39
RGB Percent	91%, 24%, 15%
CMY	0.0902, 0.7608, 0.8471
CMYK	0.00, 0.74, 0.83, 0.09
HSL	7°, 81%, 53%
HSV	7°, 83%, 91%
XYZ	35.3137, 20.6398, 4.0421
YIQ	109.6210, 108.9780, 29.4100

# Conversions

## Conversions Part 2

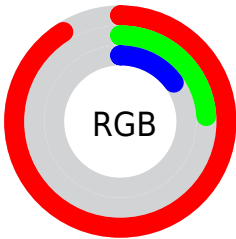
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 64, 39
Decimal	15220007
CIE Lab	52.55, 63.96, 51.48
CIE LCh	53, 82.104, 38.827
Yxy	20.6398, 0.5886, 0.3440
Android (android.graphics.Color)	4293410087 (0xFFE83D27)
YUV	109.6210, -34.8162, 107.3264
Hunter-Lab	45.4310, 59.2443, 26.5266

# Details

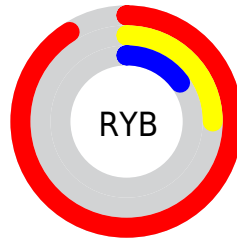
The YUV color **109.6210, -34.8162, 107.3264** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **161.3790, 34.8162, -107.3264**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.6030, -34.3143, 86.2942**, and **49.9330, -24.6170, 102.6678** is the 20% darker color. If you saturate the color by 10%, you get **94.6720, -38.7853, 120.4367**, and if you desaturate by 10%, it is **124.5700, -30.8470, 94.2161**.

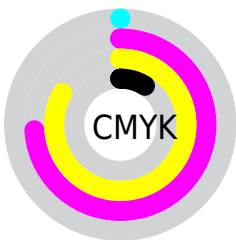
# Distribution



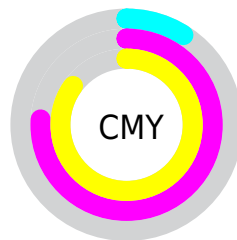
- Red (91%)
- Green (24%)
- Blue (15%)



- Red (91%)
- Yellow (25%)
- Blue (15%)



- Cyan (0%)
- Magenta (74%)
- Yellow (83%)
- Black (9%)




- Cyan (9%)
- Magenta (76%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 109.6210, -34.8162, 107.3264 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 109.6210, -34.8162, 107.3264 by changing the saturation by 10% instead.




 109.6210,  
-34.8162, 107.3264

 109.6210,  
-34.8162, 107.3264


255.0000, 0.0000,  
0.0000


 74.7120, -29.4380,  
109.0006


 156.6030,  
-34.3143, 86.2942


 49.9330, -24.6170,  
102.6678


 176.4760,  
-31.7867, 68.8655


 40.3650, -19.8999,  
82.9949


 196.4630,  
-28.8223, 51.3369

 31.0960, -15.3303,  
63.9368

 216.5640,  
-25.4211, 33.7084

 22.3540, -10.0345,  
45.2935

 236.7790,  
-21.5830, 15.9798

 13.2700, -6.0491,  
26.9502

 251.1240,

 0.0000, 0.0000,

-14.8511, 3.3993

0.0000

254.4300, -2.1840,  
0.4999

■ 109.6210,  
-34.8162, 107.3264

■ 109.6210,  
-34.8162, 107.3264

■ 94.6720, -38.7853,  
120.4367

■ 124.5700,  
-30.8470, 94.2161

■ 84.6300, -41.7226,  
129.2435

■ 138.9320,  
-26.5885, 81.6206

■ 153.9950,  
-22.1825, 68.4104

■ 168.3570,  
-17.9240, 55.8149

■ 183.3060,  
-13.9549, 42.7046

■ 197.6680, -9.6963,  
30.1092

■ 212.6170, -5.7272,  
16.9989

■ 227.0930, -1.0318,  
4.3034

■ 242.0420, 2.9373,  
-8.8068

# Harmonies

## Analogous

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



86.4530, 10.6227, 139.9227



109.6210, -34.8162, 107.3264



117.8690, -58.1094, 65.0129

# Triad

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



109.6210, -34.8162, 107.3264



97.3180, -12.9748, -85.3479



104.2060, 74.3414, -91.3887

# Complementary

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



109.6210, -34.8162, 107.3264



161.3790, 34.8162, -107.3264

# 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.



115.3590, 68.8430, -101.1698



109.6210, -34.8162, 107.3264



107.5150, 18.4801, -94.2907

# Square

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



109.6210, -34.8162, 107.3264



99.4670, -49.0372, -45.1366



114.6800, 48.4718, -100.5744



127.3340, 54.0653, 19.0011



# Rectangle

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



109.6210, -34.8162, 107.3264



117.9590, -58.1538, 32.4850



114.6800, 48.4718, -100.5744



108.9020, 72.0263, -95.5071

# Sweetspot

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



109.6210, -34.8162, 107.3264



214.8320, -11.7492, 35.2273



116.5430, 47.5533, 101.2558



103.5960, -7.1958, 21.4023



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.



109.6210, -34.8162, 107.3264



93.2680, -45.9811, 141.8390



164.7990, -62.0189, 58.9353



107.7620, -2.3477, 6.3477



65.2610, -32.1737, 99.7491



18.7710, -9.2541, 28.2648



# Inverse Universe

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



161.3790, 34.8162, -107.3264



161.7320, 45.9811, -141.8390



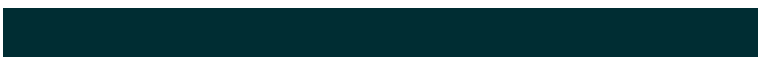
106.2010, 62.0189, -58.9353



110.2380, 2.3477, -6.3477



113.1520, 32.4631, -99.2343



32.2290, 9.2541, -28.2648



# Previews

## White Background



This preview shows how the YUV color 109.6210, -34.8162, 107.3264 looks on a white 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



# Black Background



This preview shows how the YUV color 109.6210, -34.8162, 107.3264 looks on a black 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

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

# YUV 109.6210, -34.8162, 107.3264 Background



This preview shows how black text looks on a background with the YUV color 109.6210, -34.8162, 107.3264.



This preview shows how white text looks on a background with the YUV color 109.6210, -34.8162, 107.3264.



# 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

109.6210, -34.8162, 107.3264

### Protanopia

122.2060, -32.6396, 15.6053

### Deuteranopia

119.4460, -50.0129, 34.6889



## Tritanopia

110.5530, -24.9226, 107.3860

# Trichromacy



## Original Color

109.6210, -34.8162, 107.3264

## Protanomaly

117.3010, -33.1794, 48.8480

## Deuteranomaly

116.1040, -44.4213, 61.2988

## Tritanomaly

110.2280, -28.7064, 107.6710

# Monochromacy



## Original Color

109.6210, -34.8162, 107.3264

## Achromatopsia

110.0000, 0.0000, 0.0000

## Achromatomaly

109.6260, -12.6336, 38.9160

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 109.6210, -34.8162, 107.3264 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(232, 61, 39)` looks like.

```
.text, #text, p{  
  color:rgb(232, 61, 39)  
}
```

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(232, 61, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 61, 39) }
```

## Border

The CSS property to change the border of an element to YUV 109.6210, -34.8162, 107.3264 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(232, 61, 39) }
```



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

```
.border{ border-color:rgb(232, 61, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 61, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 61, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 61, 39);  
box-shadow:4px 4px 4px 4px rgb(232, 61,  
39) }
```

# Background

The CSS property to change the background color of an element to YUV 109.6210, -34.8162, 107.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 61, 39) }
```

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

```
.background{ background-color: rgb(232, 61,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor