

# Converting Colors

YUV(75.4710, -33.7562,  
140.7839)

Have a look what the booklet for  
YUV(75.4710, -33.7562, 140.7839)  
contains.

<b>YUV(75.4710, -33.7562, 140.7839)</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(75.4710, -33.7562,  
140.7839)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC0707
RGB	236, 7, 7
RGB Percent	93%, 3%, 3%
CMY	0.0745, 0.9725, 0.9725
CMYK	0.00, 0.97, 0.97, 0.07
HSL	0°, 94%, 48%
HSV	0°, 97%, 93%
XYZ	34.7064, 18.0002, 1.8462
YIQ	75.4710, 136.4840, 48.5480

# Conversions

## Conversions Part 2

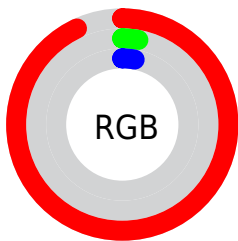
<b>Format</b>	<b>Color</b>
<b>RYB</b>	236, 7, 7
Decimal	15468295
CIELab	49.50, 75.07, 61.54
CIElCh	49, 97.070, 39.347
Yxy	18.0002, 0.6362, 0.3300
Android (android.graphics.Color)	4293658375 (0xFFEC0707)
YUV	75.4710, -33.7562, 140.7839
Hunter-Lab	42.4266, 71.7725, 27.1187

# Details

The YUV color **75.4710, -33.7562, 140.7839** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **167.5290, 33.7562, -140.7839**, and the grayscale version is **76.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.3770, -38.1469, 102.2784**, and **50.5310, -24.9118, 103.8973** is the 20% darker color. If you saturate the color by 10%, you get **70.5640, -34.7881, 145.0874**, and if you desaturate by 10%, it is **92.2950, -30.2184, 126.0293**.

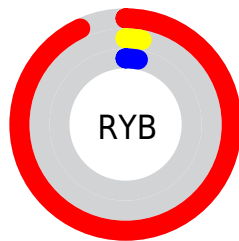
# Distribution



Red (93%)

Green (3%)

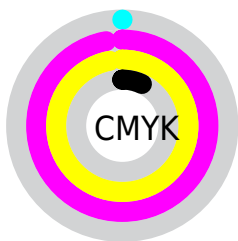
Blue (3%)



Red (93%)

Yellow (3%)

Blue (3%)

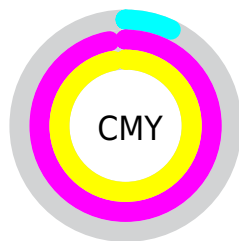


Cyan (0%)

Magenta (97%)

Yellow (97%)

Black (7%)



Cyan (7%)

Magenta (97%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 75.4710, -33.7562, 140.7839 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 75.4710, -33.7562, 140.7839 by changing the saturation by 10% instead.





 75.4710, -33.7562,  
140.7839


 75.4710, -33.7562,  
140.7839


 254.4300, -2.1840,  
0.4999

 60.6970, -29.9236,  
124.7997


 138.3770,  
-38.1469, 102.2784

 50.5310, -24.9118,  
103.8973


 159.4240,  
-36.1980, 83.8202

 40.9630, -20.1948,  
84.2244


 179.2970,  
-33.6704, 66.3915

 31.3240, -14.4567,  
63.7369

 199.9850,  
-30.5586, 48.2482

 22.8810, -9.3083,  
45.7084

 220.6730,  
-27.4468, 30.1048


 12.6720, -5.7543,  
25.7207


 241.3610,


 0.0000, 0.0000,


-24.3350, 11.9614


0.0000


 251.1240,  
-14.8511, 3.3993


 75.4710, -33.7562,  
140.7839


 75.4710, -33.7562,  
140.7839


 70.5640, -34.7881,  
145.0874

 92.2950, -30.2184,  
126.0293

 108.4180,  
-26.8281, 111.8894

 125.2420,  
-23.2903, 97.1348

 141.3650,  
-19.8999, 82.9949

 158.1890,  
-16.3622, 68.2402

■ 175.0130,  
-12.8244, 53.4856

■ 191.1360, -9.4340,  
39.3457

■ 207.9600, -5.8963,  
24.5911

■ 224.0830, -2.5059,  
10.4512

# Harmonies

## Analogous

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



86.8900, 4.4912, 146.5555



75.4710, -33.7562, 140.7839



109.6290, -54.0471, 68.7314

# Triad

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



75.4710, -33.7562, 140.7839



91.8580, -18.6640, -80.5595



100.6840, 76.0778, -88.2999

# Complementary

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



75.4710, -33.7562, 140.7839



167.5290, 33.7562, -140.7839

# 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.



113.0110, 70.0006, -99.1106



75.4710, -33.7562, 140.7839



103.7650, 19.3429, -91.0019

# Square

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



75.4710, -33.7562, 140.7839



81.5930, -40.2253, -71.5571



112.7710, 53.8499, -98.9002



116.8150, 64.6742, 22.9642



# Rectangle

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



75.4710, -33.7562, 140.7839



110.8600, -54.6540, 29.9408



112.7710, 53.8499, -98.9002



105.9670, 73.4733, -92.9331

# Sweetspot

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



75.4710, -33.7562, 140.7839



203.1260, -10.9081, 45.4935



101.5770, 66.2705, 117.8890



96.4550, -6.6333, 27.6650



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.



75.4710, -33.7562, 140.7839



76.2450, -37.5888, 156.7681



142.9760, -67.0362, 81.5820



109.2890, -1.6215, 6.7625



54.1190, -26.6807, 111.2746



16.1460, -7.9600, 33.1980



# Inverse Universe

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



167.5290, 33.7562, -140.7839



178.7550, 37.5888, -156.7681



100.6110, 66.7468, -82.0968



113.7110, 1.6215, -6.7625



126.8810, 26.6807, -111.2746



37.8540, 7.9600, -33.1980



# Previews

## White Background



This preview shows how the YUV color 75.4710, -33.7562, 140.7839 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 75.4710, -33.7562, 140.7839 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 75.4710, -33.7562, 140.7839

## Background



This preview shows how black text looks on a background with the YUV color 75.4710, -33.7562, 140.7839.



This preview shows how white text looks on a background with the YUV color 75.4710, -33.7562,



# 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

75.4710, -33.7562, 140.7839

### Protanopia

113.5670, -40.2125, 17.9197

### Deuteranopia

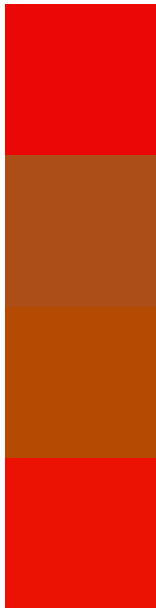
111.1810, -54.8122, 34.0443



## Tritanopia

82.8800, -40.8598, 132.5322

# Trichromacy



## Original Color

75.4710, -33.7562, 140.7839

## Protanomaly

99.5370, -37.7327, 62.6731

## Deuteranomaly

97.8990, -46.7852, 72.8796

## Tritanomaly

80.5860, -38.2499, 135.4211

# Monochromacy



## Original Color

75.4710, -33.7562, 140.7839

## Achromatopsia

75.0000, 0.0000, 0.0000

## Achromatomaly

75.1160, -12.3822, 51.6413

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 75.4710, -33.7562, 140.7839 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(236, 7, 7)` looks like.

```
.text, #text, p{  
    color:rgb(236, 7, 7)  
}
```

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(236, 7, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 7, 7) }
```

## Border

The CSS property to change the border of an element to YUV 75.4710, -33.7562, 140.7839 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(236, 7, 7) }
```



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

```
.border{ border-color:rgb(236, 7, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 7, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 7, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(236, 7, 7); box-shadow:4px  
4px 4px 4px rgb(236, 7, 7) }
```

# Background

The CSS property to change the background color of an element to YUV 75.4710, -33.7562, 140.7839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 7, 7) }
```

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

```
.background{ background-color: rgb(236, 7,  
7) }
```

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**