

# Converting Colors

YUV(90.2440, -39.5603,  
135.7210)

Have a look what the booklet for  
YUV(90.2440, -39.5603, 135.7210)  
contains.

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# Color

**YUV(90.2440, -39.5603,  
135.7210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F51B0A
RGB	245, 27, 10
RGB Percent	96%, 11%, 4%
CMY	0.0392, 0.8941, 0.9608
CMYK	0.00, 0.89, 0.96, 0.04
HSL	4°, 92%, 50%
HSV	4°, 96%, 96%
XYZ	38.1029, 20.2183, 2.1814
YIQ	90.2440, 135.3850, 40.9290

# Conversions

## Conversions Part 2

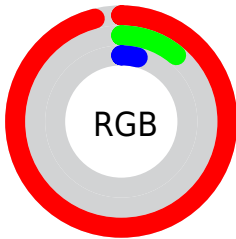
Format	Color
<a href="#">RYB</a>	<a href="#">245, 28, 10</a>
Decimal	<a href="#">16063242</a>
CIELab	<a href="#">52.08, 75.21, 63.06</a>
CIElCh	<a href="#">52, 98.154, 39.979</a>
Yxy	<a href="#">20.2183, 0.6298, 0.3342</a>
Android (android.graphics.Color)	<a href="#">4294253322 (0xFFFF51B0A)</a>
YUV	<a href="#">90.2440, -39.5603, 135.7210</a>
Hunter-Lab	<a href="#">44.9647, 72.5719, 28.5989</a>

# Details

The YUV color **90.2440, -39.5603, 135.7210** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **164.7560, 39.5603, -135.7210**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **143.4150, -39.1516, 97.8600**, and **53.2220, -26.2384, 109.4303** is the 20% darker color. If you saturate the color by 10%, you get **83.8210, -41.3238, 141.3540**, and if you desaturate by 10%, it is **106.4810, -35.7331, 121.4812**.

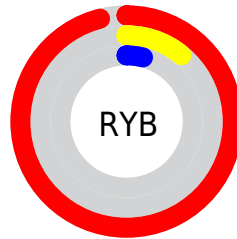
# Distribution



Red (96%)

Green (11%)

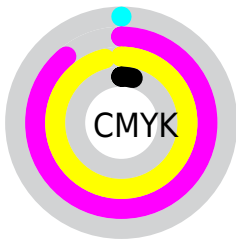
Blue (4%)



Red (96%)

Yellow (11%)

Blue (4%)

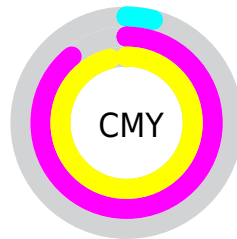


Cyan (0%)

Magenta (89%)

Yellow (96%)

Black (4%)



Cyan (4%)

Magenta (89%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 90.2440, -39.5603, 135.7210 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 90.2440, -39.5603, 135.7210 by changing the saturation by 10% instead.





 90.2440, -39.5603,  
135.7210


 90.2440, -39.5603,  
135.7210


254.8860, -0.4368,  
0.1000

 63.0890, -31.1029,  
129.7179


 143.4150,  
-39.1516, 97.8600


 53.2220, -26.2384,  
109.4303


 163.8750,  
-36.9134, 79.9166


 43.3550, -21.3740,  
89.1427


 184.4490,  
-34.2384, 61.8732

 33.9010, -16.2202,  
69.3698

 205.1370,  
-31.1265, 43.7299

 24.8600, -10.7770,  
50.1118

 225.8250,  
-28.0147, 25.5865


 15.4770, -6.6442,  
31.1537


 246.5130,


 0.0000, 0.0000,


-24.9029, 7.4431


0.0000


 251.5800,  
-13.1039, 2.9993


 90.2440, -39.5603,  
135.7210

 90.2440, -39.5603,  
135.7210


 83.8210, -41.3238,  
141.3540

 106.4810,  
-35.7331, 121.4812

 122.2450,  
-31.1798, 107.6561

 138.5960,  
-26.9158, 93.3163

 154.8330,  
-23.0887, 79.0765

 171.0700,  
-19.2615, 64.8366

■ 186.8340,  
-14.7082, 51.0116

■ 203.1850,  
-10.4442, 36.6718

■ 219.4220, -6.6170,  
22.4319

■ 235.7730, -2.3531,  
8.0921

# Harmonies

## Analogous

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



87.7590, 6.5278, 146.6704



90.2440, -39.5603, 135.7210



116.1300, -57.2521, 70.0460

# Triad

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



90.2440, -39.5603, 135.7210



97.3520, -17.9215, -85.3777



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.



90.2440, -39.5603, 135.7210



164.7560, 39.5603, -135.7210

# 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.



116.5330, 68.2642, -102.1994



90.2440, -39.5603, 135.7210



109.3730, 20.5221, -95.9201

# Square

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



90.2440, -39.5603, 135.7210



85.7020, -42.2511, -75.1607



118.6070, 55.9027, -104.0183



123.8370, 64.6634, 26.4530



# Rectangle

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



90.2440, -39.5603, 135.7210



117.0620, -57.7116, 30.6406



118.6070, 55.9027, -104.0183



109.4890, 71.7369, -96.0219

# Sweetspot

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



90.2440, -39.5603, 135.7210



206.0610, -12.3551, 42.9195



105.2310, 61.0181, 122.5774



98.2160, -7.5015, 26.1206



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.



90.2440, -39.5603, 135.7210



86.8110, -42.7978, 147.5018



158.3360, -73.1296, 76.0043



114.1750, -2.0583, 6.8625



63.2450, -31.1798, 107.6561



19.9890, -9.8546, 34.2126



# Inverse Universe

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



164.7560, 39.5603, -135.7210



168.1890, 42.7978, -147.5018



96.6640, 73.1296, -76.0043



118.4120, 1.7689, -7.3773



122.7550, 31.1798, -107.6561



38.4240, 10.1440, -33.6978



# Previews

## White Background



This preview shows how the YUV color 90.2440, -39.5603, 135.7210 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 90.2440, -39.5603, 135.7210 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 90.2440, -39.5603, 135.7210

## Background



This preview shows how black text looks on a background with the YUV color 90.2440, -39.5603, 135.7210.



This preview shows how white text looks on a background with the YUV color 90.2440, -39.5603,



# 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

90.2440, -39.5603, 135.7210

### Protanopia

118.9970, -42.3965, 18.4196

### Deuteranopia

117.0950, -57.7278, 35.8737



## Tritanopia

90.5690, -35.7765, 135.4360

# Trichromacy



## Original Color

90.2440, -39.5603, 135.7210

## Protanomaly

108.3150, -41.0743, 61.1137

## Deuteranomaly

107.7480, -51.1478, 72.1350

## Tritanomaly

90.2270, -37.0869, 135.7359

# Monochromacy



## Original Color

90.2440, -39.5603, 135.7210

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

89.9370, -14.2659, 49.1673

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.2440, -39.5603, 135.7210 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(245, 27, 10)` looks like.

```
.text, #text, p{  
    color:rgb(245, 27, 10)  
}
```

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(245, 27, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 27, 10) }
```

## Border

The CSS property to change the border of an element to YUV 90.2440, -39.5603, 135.7210 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(245, 27, 10) }
```



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

```
.border{ border-color:rgb(245, 27, 10) }
```

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

Here you see how a box with a 4 pixel rgb(245, 27, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 27, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 27, 10);  
box-shadow:4px 4px 4px 4px rgb(245, 27,  
10) }
```

# Background

The CSS property to change the background color of an element to YUV 90.2440, -39.5603, 135.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 27, 10) }
```

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

```
.background{ background-color: rgb(245, 27,  
10) }
```

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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