

# Converting Colors

YUV(117.2220, -26.2384,  
109.4303)

Have a look what the booklet for  
YUV(117.2220, -26.2384, 109.4303)  
contains.

<b>YUV(117.2220, -26.2384, 109.4303)</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(117.2220, -26.2384,  
109.4303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F24040
RGB	242, 64, 64
RGB Percent	95%, 25%, 25%
CMY	0.0510, 0.7490, 0.7490
CMYK	0.00, 0.74, 0.74, 0.05
HSL	0°, 87%, 60%
HSV	0°, 74%, 95%
XYZ	39.3768, 22.9142, 7.1980
YIQ	117.2220, 106.0880, 37.7360

# Conversions

## Conversions Part 2

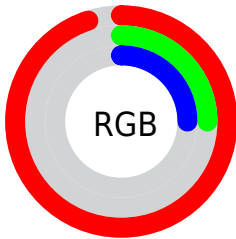
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 64, 64
Decimal	15876160
CIE Lab	54.98, 66.77, 41.52
CIE LCh	55, 78.628, 31.872
Yxy	22.9142, 0.5667, 0.3298
Android (android.graphics.Color)	4294066240 (0xFFFF24040)
YUV	117.2220, -26.2384, 109.4303
Hunter-Lab	47.8688, 63.0634, 24.5928

# Details

The YUV color **117.2220, -26.2384, 109.4303** 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 **188.7780, 26.2384, -109.4303**, and the grayscale version is **117.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **161.8010, -24.5519, 81.7355**, and **55.2030, -17.3551, 106.8160** is the 20% darker color. If you saturate the color by 10%, you get **100.3980, -29.7762, 124.1850**, and if you desaturate by 10%, it is **134.0460, -22.7007, 94.6757**.

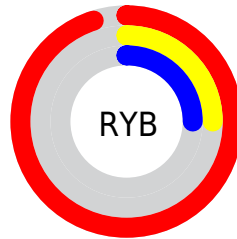
# Distribution



Red (95%)

Green (25%)

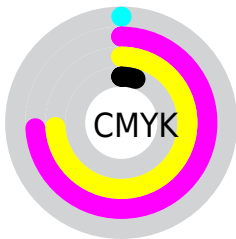
Blue (25%)



Red (95%)

Yellow (25%)

Blue (25%)

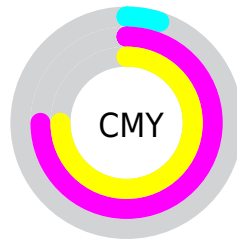


Cyan (0%)

Magenta (74%)

Yellow (74%)

Black (5%)



Cyan (5%)

Magenta (75%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 117.2220, -26.2384, 109.4303 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 117.2220, -26.2384, 109.4303 by changing the saturation by 10% instead.





 117.2220,  
-26.2384, 109.4303


 117.2220,  
-26.2384, 109.4303


255.0000, 0.0000,  
0.0000

 82.7260, -20.5709,  
111.6193


 161.8010,  
-24.5519, 81.7355


 55.2030, -17.3551,  
106.8160


 181.7880,  
-21.5875, 64.2069


 43.6540, -21.5214,  
89.7574


 201.8890,  
-18.1863, 46.5783

 34.0860, -16.8044,  
70.0846

 221.9900,  
-14.7851, 28.9498

 25.0450, -11.3612,  
50.8265

 242.7920,  
-11.2365, 10.7064

 16.3740, -7.0864,  
32.9980

 254.2020, -3.0576,

 1.4950, -0.7370,

0.6998

3.0739

■ 0.0000, 0.0000,  
0.0000

■ 117.2220,  
-26.2384, 109.4303

■ 117.2220,  
-26.2384, 109.4303

■ 100.3980,  
-29.7762, 124.1850

■ 134.0460,  
-22.7007, 94.6757

■ 83.5740, -33.3140,  
138.9396

■ 150.8700,  
-19.1629, 79.9210

■ 72.3580, -35.6725,  
148.7760

■ 168.3950,  
-15.4777, 64.5516

■ 185.2190,  
-11.9400, 49.7969

■ 202.0430, -8.4022,  
35.0423

218.8670, -4.8644,  
20.2876

235.6910, -1.3267,  
5.5330

251.1130, 1.9163,  
-7.9921

# Harmonies

## Analogous

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



111.5660, 9.0880, 118.7756



117.2220, -26.2384, 109.4303



122.0660, -60.1785, 75.3641

# Triad

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



117.2220, -26.2384, 109.4303



99.2270, -18.3529, -87.0221



110.6630, 71.1581, -97.0515

# Complementary

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



117.2220, -26.2384, 109.4303



188.7780, 26.2384, -109.4303

# 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.



119.7130, 65.2175, -104.9883



117.2220, -26.2384, 109.4303



109.7830, 11.9390, -96.2797

# Square

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



117.2220, -26.2384, 109.4303



112.2910, -55.3595, -23.9342



116.9480, 41.9306, -102.5634



132.4130, 57.4774, -2.1162



# Rectangle

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



117.2220, -26.2384, 109.4303



123.9390, -61.1019, 44.7805



116.9480, 41.9306, -102.5634



114.7720, 69.1324, -100.6550

# Sweetspot

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



117.2220, -26.2384, 109.4303



215.7440, -8.2548, 34.4275



137.5140, 51.5116, 91.6342



104.1660, -5.0118, 20.9024



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.



117.2220, -26.2384, 109.4303



97.9760, -33.0192, 137.7100



169.4650, -51.9942, 63.6132



111.5880, -1.7689, 7.3773



55.0160, -27.1229, 113.1190



16.7440, -8.2548, 34.4275



# Inverse Universe

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



188.7780, 26.2384, -109.4303



188.0240, 33.0192, -137.7100



136.5350, 51.9942, -63.6132



116.4120, 1.7689, -7.3773



128.9840, 27.1229, -113.1190



39.2560, 8.2548, -34.4275



# Previews

## White Background



This preview shows how the YUV color 117.2220, -26.2384, 109.4303 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 117.2220, -26.2384, 109.4303 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 117.2220, -26.2384, 109.4303 Background



This preview shows how black text looks on a background with the YUV color 117.2220, -26.2384, 109.4303.



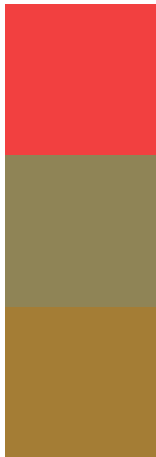
This preview shows how white text looks on a background with the YUV color 117.2220, -26.2384, 109.4303.



# 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

117.2220, -26.2384, 109.4303

### Protanopia

130.0450, -21.7142, 11.3615

### Deuteranopia

128.4530, -37.1983, 31.1747



## Tritanopia

117.4500, -25.3649, 109.2304

# Trichromacy



## Original Color

117.2220, -26.2384, 109.4303

## Protanomaly

125.2220, -23.2804, 47.1633

## Deuteranomaly

124.3670, -33.2119, 59.3141

## Tritanomaly

117.3360, -25.8016, 109.3303

# Monochromacy



## Original Color

117.2220, -26.2384, 109.4303

## Achromatopsia

117.0000, 0.0000, 0.0000

## Achromatomaly

117.1360, -9.4340, 39.3457

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 117.2220, -26.2384, 109.4303 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(242, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 64, 64)  
}
```

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(242, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 64, 64) }
```

## Border

The CSS property to change the border of an element to YUV 117.2220, -26.2384, 109.4303 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(242, 64, 64) }
```



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

```
.border{ border-color:rgb(242, 64, 64) }
```

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

Here you see how a box with a 4 pixel rgb(242, 64, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 64,  
64) }
```

# Background

The CSS property to change the background color of an element to YUV 117.2220, -26.2384, 109.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 64, 64) }
```

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

```
.background{ background-color: rgb(242, 64,  
64) }
```

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