

# Converting Colors

YUV(107.5780, -53.0360,  
117.8881)

Have a look what the booklet for  
YUV(107.5780, -53.0360, 117.8881)  
contains.

<b>YUV(107.5780, -53.0360, 117.8881)</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> .....	30

# Color

**YUV(107.5780, -53.0360,  
117.8881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F23C00
RGB	242, 60, 0
RGB Percent	95%, 24%, 0%
CMY	0.0510, 0.7647, 1.0000
CMYK	0.00, 0.75, 1.00, 0.05
HSL	15°, 100%, 47%
HSV	15°, 100%, 95%
XYZ	38.2338, 22.1090, 2.2523
YIQ	107.5780, 127.7320, 19.9240

# Conversions

## Conversions Part 2

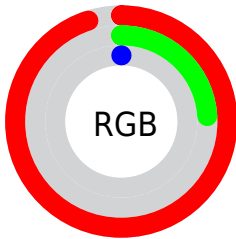
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 80, 0
Decimal	15875072
CIE <sub>Lab</sub>	54.14, 66.76, 66.03
CIE <sub>LCh</sub>	54, 93.899, 44.687
Yxy	22.1090, 0.6108, 0.3532
Android (android.graphics.Color)	4294065152 (0xFFFF23C00)
YUV	107.5780, -53.0360, 117.8881
Hunter-Lab	47.0202, 62.8595, 30.0741

# Details

The YUV color **107.5780, -53.0360, 117.8881** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **134.4220, 53.0360, -117.8881**, and the grayscale version is **108.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.6390, -45.6710, 88.8936**, and **52.6240, -25.9436, 108.2008** is the 20% darker color. If you saturate the color by 10%, you get **107.5780, -53.0360, 117.8881**, and if you desaturate by 10%, it is **120.8800, -47.7618, 106.2222**.

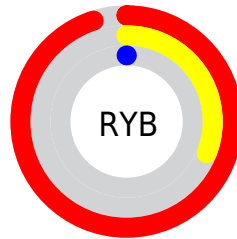
# Distribution



Red (95%)

Green (24%)

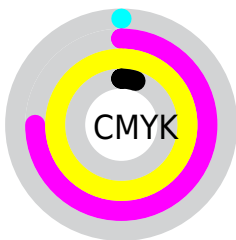
Blue (0%)



Red (95%)

Yellow (31%)

Blue (0%)

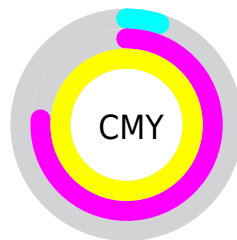


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (76%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 107.5780, -53.0360, 117.8881 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 107.5780, -53.0360, 117.8881 by changing the saturation by 10% instead.



107.5780,  
-53.0360, 117.8881

107.5780,  
-53.0360, 117.8881

254.7720, -0.8736,  
0.2000

73.6440, -36.3065,  
118.7072

153.6390,  
-45.6710, 88.8936

52.6240, -25.9436,  
108.2008

173.6260,  
-42.7066, 71.3650

42.7570, -21.0792,  
87.9131

193.6130,  
-39.7422, 53.8364

33.4880, -16.5096,  
68.8550

214.3010,  
-36.6304, 35.6930

24.4470, -11.0664,  
49.5970

234.4020,  
-33.2292, 18.0644


15.4770, -6.6442,  
31.1537


248.1600,


0.0000, 0.0000,

-26.2079, 5.9987


0.0000


 251.4660,  
-13.5407, 3.0993


 107.5780,  
-53.0360, 117.8881

 120.8800,  
-47.7618, 106.2222

 134.1820,  
-42.4877, 94.5564

 148.1850,  
-37.0662, 82.2758

 161.4870,  
-31.7921, 70.6099

 174.7890,  
-26.5180, 58.9440

■ 188.0910,  
-21.2439, 47.2782

■ 201.3930,  
-15.9697, 35.6123

■ 215.3960,  
-10.5482, 23.3317

■ 228.6980, -5.2741,  
11.6659

# Harmonies

## Analogous

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



86.9610, 3.4702, 147.3702



107.5780, -53.0360, 117.8881



121.6790, -59.9877, 60.7945

# Triad

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



107.5780, -53.0360, 117.8881



103.3820, -10.0483, -90.6660



103.6190, 74.6308, -90.8739

# Complementary

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



107.5780, -53.0360, 117.8881



134.4220, 53.0360, -117.8881

# 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.



117.7070, 67.6854, -103.2290



107.5780, -53.0360, 117.8881



114.3600, 26.9375, -100.2937

# Square

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



107.5780, -53.0360, 117.8881



89.8110, -44.2768, -78.7642



122.3230, 59.9868, -107.2773



129.5140, 57.9206, 42.5222



# Rectangle

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



107.5780, -53.0360, 117.8881



120.8500, -59.5790, 22.9336



122.3230, 59.9868, -107.2773



109.4890, 71.7369, -96.0219

# Sweetspot

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



107.5780, -53.0360, 117.8881



212.2900, -16.4120, 37.4567



93.5620, 45.5719, 130.1801



102.2110, -9.9640, 22.6170



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.



107.5780, -53.0360, 117.8881



113.2260, -55.8204, 124.3358



176.2570, -86.8947, 57.6566



113.3490, -2.6371, 5.8329



82.0180, -40.4349, 89.4382



24.9620, -12.3063, 27.2203



# Inverse Universe

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



134.4220, 53.0360, -117.8881



141.7740, 55.8204, -124.3358



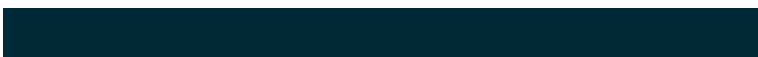
65.7430, 86.8947, -57.6566



114.6510, 2.6371, -5.8329



101.9820, 40.4349, -89.4382



31.0380, 12.3063, -27.2203



# Previews

## White Background



This preview shows how the YUV color 107.5780, -53.0360, 117.8881 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 107.5780, -53.0360, 117.8881 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 107.5780, -53.0360, 117.8881 Background



This preview shows how black text looks on a background with the YUV color 107.5780, -53.0360, 117.8881.



This preview shows how white text looks on a background with the YUV color 107.5780, -53.0360, 117.8881.



# 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



### Protanopia

123.1560, -46.9119, 20.0342

### Deuteranopia

121.2370, -59.7698, 37.5032

### Tritanopia

112.0270, -27.1283, 114.8633

# Trichromacy



## Protanomaly

117.8060, -49.2044, 55.4211

## Deuteranomaly

116.1080, -57.2412, 66.5573

## Tritanomaly

110.2200, -36.5905, 116.4481

# Monochromacy



## Achromatopsia

108.0000, 0.0000, 0.0000

## Achromatomaly

108.2260, -19.3384, 42.7748

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 107.5780, -53.0360, 117.8881 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, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 60, 0)  
}
```

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, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 60, 0) }
```

## Border

The CSS property to change the border of an element to YUV 107.5780, -53.0360, 117.8881 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, 60, 0) }
```

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

```
.border{ border-color:rgb(242, 60, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 60, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 107.5780, -53.0360, 117.8881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 60, 0) }
```

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

```
.background{ background-color: rgb(242, 60,  
0) }
```

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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