

# Converting Colors

YUV(113.5590, -51.0546,  
88.9638)

Have a look what the booklet for  
YUV(113.5590, -51.0546, 88.9638)  
contains.

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# Color

**YUV(113.5590, -51.0546,  
88.9638)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7520A
RGB	215, 82, 10
RGB Percent	84%, 32%, 4%
CMY	0.1569, 0.6784, 0.9608
CMYK	0.00, 0.62, 0.95, 0.16
HSL	21°, 91%, 44%
HSV	21°, 95%, 84%
XYZ	31.0964, 20.5036, 2.6058
YIQ	113.5590, 102.3800, 5.8040

# Conversions

## Conversions Part 2

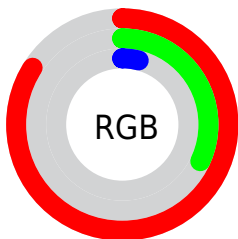
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 121, 10
Decimal	14111242
CIE Lab	52.40, 49.69, 60.30
CIE LCh	52, 78.138, 50.507
Yxy	20.5036, 0.5737, 0.3783
Android (android.graphics.Color)	4292301322 (0xFFD7520A)
YUV	113.5590, -51.0546, 88.9638
Hunter-Lab	45.2809, 43.3424, 28.2846

# Details

The YUV color **113.5590, -51.0546, 88.9638** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **111.4410, 51.0546, -88.9638**, and the grayscale version is **114.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.7150, -47.6805, 80.0569**, and **59.5360, -29.3512, 81.0909** is the 20% darker color. If you saturate the color by 10%, you get **108.8970, -53.6862, 93.0523**, and if you desaturate by 10%, it is **124.1710, -45.9333, 79.6570**.

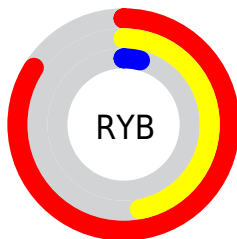
# Distribution



Red (84%)

Green (32%)

Blue (4%)



Red (84%)

Yellow (47%)

Blue (4%)

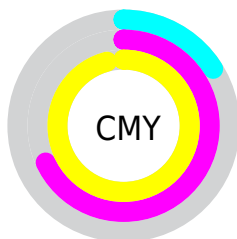


Cyan (0%)

Magenta (62%)

Yellow (95%)

Black (16%)



Cyan (16%)

Magenta (68%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 113.5590, -51.0546, 88.9638 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 113.5590, -51.0546, 88.9638 by changing the saturation by 10% instead.



113.5590,  
-51.0546, 88.9638

113.5590,  
-51.0546, 88.9638

255.0000, 0.0000,  
0.0000

87.0020, -42.8920,  
84.1902

163.7150,  
-47.6805, 80.0569

59.5360, -29.3512,  
81.0909

182.5280,  
-44.1373, 63.5579

36.1790, -17.8362,  
74.3880

202.5150,  
-41.1729, 46.0293

26.9100, -13.2666,  
55.3299

222.0290,  
-37.4823, 28.9156

18.6520, -8.7024,  
38.0162

242.1300,  
-34.0811, 11.2870

9.3830, -4.1328,  
18.9581

248.8440,

0.0000, 0.0000,

-23.5871, 5.3988

0.0000

252.1500,  
-10.9200, 2.4994

113.5590,  
-51.0546, 88.9638

113.5590,  
-51.0546, 88.9638

108.8970,  
-53.6862, 93.0523

124.1710,  
-45.9333, 79.6570

134.8970,  
-40.3752, 70.2503

145.5090,  
-35.2539, 60.9436

156.2350,  
-29.6959, 51.5369

166.8470,  
-24.5746, 42.2302

■ 177.5730,  
-19.0165, 32.8235

■ 188.2990,  
-13.4584, 23.4168

■ 198.9110, -8.3371,  
14.1101

■ 209.6370, -2.7790,  
4.7034

# Harmonies

## Analogous

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



104.4030, -10.5517, 118.0416



113.5590, -51.0546, 88.9638



118.0360, -58.1917, 44.6954

# Triad

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



113.5590, -51.0546, 88.9638



100.7380, 0.1292, -88.3472



113.2540, 68.4018, -52.8428

# Complementary

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



113.5590, -51.0546, 88.9638



111.4410, 51.0546, -88.9638

# 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.



111.2500, 70.8688, -97.5662



113.5590, -51.0546, 88.9638



109.7780, 29.6894, -96.2753

# Square

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



113.5590, -51.0546, 88.9638



89.0250, -32.0573, -78.0749



114.6290, 55.8919, -100.5296



125.4320, 42.1850, 49.6101



# Rectangle

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



113.5590, -51.0546, 88.9638



115.1800, -56.7837, 12.9971



114.6290, 55.8919, -100.5296



103.0320, 74.9202, -90.3591

# Sweetspot

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



113.5590, -51.0546, 88.9638



218.3880, -18.4323, 32.1087



86.4570, 27.8757, 112.7322



105.8470, -11.2636, 19.4282



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.



113.5590, -51.0546, 88.9638



129.0750, -63.6340, 110.4362



173.4330, -80.5725, 36.4543



101.6370, -2.7790, 4.7034



86.3490, -42.5701, 74.2389



21.6620, -10.6794, 18.7134

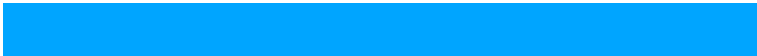


# Inverse Universe

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



111.4410, 51.0546, -88.9638



125.9250, 63.6340, -110.4362



51.5670, 80.5725, -36.4543



101.3630, 2.7790, -4.7034



84.6510, 42.5701, -74.2389



21.3380, 10.6794, -18.7134



# Previews

## White Background



This preview shows how the YUV color 113.5590, -51.0546, 88.9638 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 113.5590, -51.0546, 88.9638 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 113.5590, -51.0546, 88.9638

## Background



This preview shows how black text looks on a background with the YUV color 113.5590, -51.0546, 88.9638.



This preview shows how white text looks on a background with the YUV color 113.5590, -51.0546, 88.9638.



# 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

113.5590, -51.0546, 88.9638

### Protanopia

118.8570, -46.7645, 19.4194

### Deuteranopia

117.3940, -57.8752, 36.4885



**Tritanopia**

118.7290, -18.6004, 86.1837

# Trichromacy



## Original Color

113.5590, -51.0546, 88.9638

## Protanomaly

116.9680, -48.2982, 44.7551

## Deuteranomaly

116.1990, -55.3141, 55.0765

## Tritanomaly

116.6400, -30.3885, 87.1387

# Monochromacy



## Original Color

113.5590, -51.0546, 88.9638

## Achromatopsia

114.0000, 0.0000, 0.0000

## Achromatomaly

113.6870, -18.5797, 32.7235

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 113.5590, -51.0546, 88.9638 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(215, 82, 10)` looks like.

```
.text, #text, p{  
    color:rgb(215, 82, 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(215, 82, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 82, 10) }
```

## Border

The CSS property to change the border of an element to YUV 113.5590, -51.0546, 88.9638 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(215, 82, 10) }
```



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

```
.border{ border-color:rgb(215, 82, 10) }
```

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

Here you see how a box with a 4 pixel rgb(215, 82, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 82, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 82, 10);  
box-shadow:4px 4px 4px 4px rgb(215, 82,  
10) }
```

# Background

The CSS property to change the background color of an element to YUV 113.5590, -51.0546, 88.9638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 82, 10) }
```

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

```
.background{ background-color: rgb(215, 82,  
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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