

# Converting Colors

YUV(91.8510, -20.1395,  
113.2637)

Have a look what the booklet for  
YUV(91.8510, -20.1395, 113.2637)  
contains.

<b>YUV(91.8510, -20.1395, 113.2637)</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(91.8510, -20.1395,  
113.2637)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD2233
RGB	221, 34, 51
RGB Percent	87%, 13%, 20%
CMY	0.1333, 0.8667, 0.8000
CMYK	0.00, 0.85, 0.77, 0.13
HSL	355°, 73%, 50%
HSV	355°, 85%, 87%
XYZ	30.9884, 16.7552, 4.7328
YIQ	91.8510, 105.9950, 44.9310

# Conversions

## Conversions Part 2

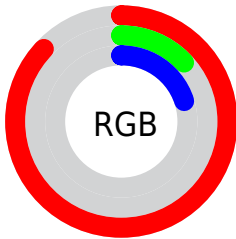
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">221, 34, 51</a>
Decimal	<a href="#">14492211</a>
CIELab	<a href="#">47.95, 68.48, 39.94</a>
CIElCh	<a href="#">48, 79.278, 30.250</a>
Yxy	<a href="#">16.7552, 0.5905, 0.3193</a>
Android (android.graphics.Color)	<a href="#">4292682291 (0xFFDD2233)</a>
YUV	<a href="#">91.8510, -20.1395, 113.2637</a>
Hunter-Lab	<a href="#">40.9331, 63.5001, 21.7980</a>

# Details

The YUV color **91.8510, -20.1395, 113.2637** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **163.1490, 20.1395, -113.2637**, and the grayscale version is **92.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **146.7040, -24.0111, 94.9756**, and **47.7410, -20.0853, 95.8201** is the 20% darker color. If you saturate the color by 10%, you get **76.6570, -22.5089, 126.5888**, and if you desaturate by 10%, it is **107.0450, -17.7702, 99.9385**.

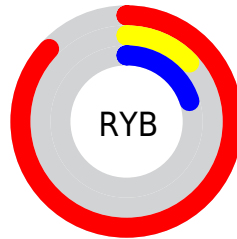
# Distribution



Red (87%)

Green (13%)

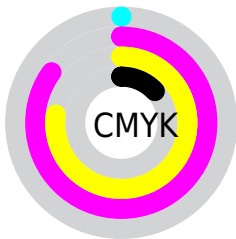
Blue (20%)



Red (87%)

Yellow (13%)

Blue (20%)

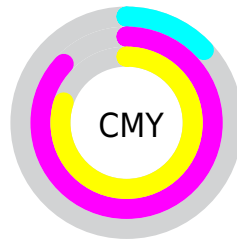


Cyan (0%)

Magenta (85%)

Yellow (77%)

Black (13%)



Cyan (13%)

Magenta (87%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 91.8510, -20.1395, 113.2637 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 91.8510, -20.1395, 113.2637 by changing the saturation by 10% instead.





 91.8510, -20.1395,  
113.2637


 91.8510, -20.1395,  
113.2637


255.0000, 0.0000,  
0.0000


 59.8170, -15.1928,  
113.2935


 146.7040,  
-24.0111, 94.9756


 47.7410, -20.0853,  
95.8201


 166.5770,  
-21.4835, 77.5470

 37.3750, -18.4259,  
76.8471


 187.1510,  
-18.8084, 59.5036

 28.2200, -13.4195,  
57.6891

 207.2520,  
-15.4072, 41.8750

 19.7770, -8.2711,  
39.6606

 227.9400,  
-12.2954, 23.7316

 9.0840, -3.9854,  
18.3433

 248.1550, -8.4574,

 0.0000, 0.0000,

6.0031

0.0000

■ 91.8510, -20.1395,  
113.2637

■ 91.8510, -20.1395,  
113.2637

■ 76.6570, -22.5089,  
126.5888

■ 107.0450,  
-17.7702, 99.9385

■ 68.3590, -23.8410,  
133.8662

■ 122.2390,  
-15.4008, 86.6134

■ 137.4330,  
-13.0315, 73.2883

■ 152.6270,  
-10.6621, 59.9631

■ 168.4080, -8.5821,  
46.1232

■ 183.7160, -5.7760,  
32.6981

■ 198.9100, -3.4066,  
19.3729

■ 214.1040, -1.0373,  
6.0478

■ 229.2980, 1.3321,  
-7.2773

# Harmonies

## Analogous

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



80.4990, 17.5020, 126.7274



91.8510, -20.1395, 113.2637



104.6450, -51.5900, 73.9793

# Triad

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



91.8510, -20.1395, 113.2637



84.9790, -22.1746, -74.5266



100.7010, 73.6044, -88.3148

# Complementary

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



91.8510, -20.1395, 113.2637



163.1490, 20.1395, -113.2637

# 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.



106.7530, 61.2538, -93.6224



91.8510, -20.1395, 113.2637



95.6490, 8.5540, -83.8842

# Square

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



91.8510, -20.1395, 113.2637



96.3540, -47.5025, -23.9895



103.2870, 37.8195, -90.5827



112.2980, 58.5201, -9.9083



# Rectangle

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



91.8510, -20.1395, 113.2637



107.4040, -52.9502, 43.4957



103.2870, 37.8195, -90.5827



103.9950, 70.9945, -91.2036

# Sweetspot

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



91.8510, -20.1395, 113.2637



210.8200, -6.8133, 38.7459



105.5500, 56.9169, 84.5867



101.1170, -4.0017, 23.5764



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.



91.8510, -20.1395, 113.2637



78.8670, -27.5424, 154.4686



133.9380, -49.2694, 76.3534



102.4030, -1.1847, 6.6626



53.5510, -18.5126, 104.7568



14.2100, -5.0335, 27.8798



# Inverse Universe

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



91.8510, -20.1395, 113.2637



78.8670, -27.5424, 154.4686



121.0620, 49.2694, -76.3534



102.4030, -1.1847, 6.6626



53.5510, -18.5126, 104.7568



14.2100, -5.0335, 27.8798



# Previews

## White Background



This preview shows how the YUV color 91.8510, -20.1395, 113.2637 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 91.8510, -20.1395, 113.2637 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 91.8510, -20.1395, 113.2637

## Background



This preview shows how black text looks on a background with the YUV color 91.8510, -20.1395, 113.2637.



This preview shows how white text looks on a background with the YUV color 91.8510, -20.1395,



# 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

91.8510, -20.1395, 113.2637

### Protanopia

113.4300, -18.9460, 10.1469

### Deuteranopia

111.0720, -36.0245, 28.0009



## Tritanopia

91.7880, -27.9965, 113.3189

# Trichromacy



## Original Color

91.8510, -20.1395, 113.2637

## Protanomaly

105.8460, -19.6441, 47.4931

## Deuteranomaly

104.1650, -30.1543, 58.6143

## Tritanomaly

91.8850, -25.0863, 113.2339

# Monochromacy



## Original Color

91.8510, -20.1395, 113.2637

## Achromatopsia

92.0000, 0.0000, 0.0000

## Achromatomaly

92.0160, -7.4029, 41.2050

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 91.8510, -20.1395, 113.2637 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(221, 34, 51)` looks like.

```
.text, #text, p{  
    color:rgb(221, 34, 51)  
}
```

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(221, 34, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 34, 51) }
```

## Border

The CSS property to change the border of an element to YUV 91.8510, -20.1395, 113.2637 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(221, 34, 51) }
```



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

```
.border{ border-color:rgb(221, 34, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 34, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 34, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 34, 51);  
box-shadow:4px 4px 4px 4px rgb(221, 34,  
51) }
```

# Background

The CSS property to change the background color of an element to YUV 91.8510, -20.1395, 113.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 34, 51) }
```

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

```
.background{ background-color: rgb(221, 34,  
51) }
```

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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