

# Converting Colors

YUV(108.8100, -28.0073,  
116.8076)

Have a look what the booklet for  
YUV(108.8100, -28.0073, 116.8076)  
contains.

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# Color

**YUV(108.8100, -28.0073,  
116.8076)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F23434
RGB	242, 52, 52
RGB Percent	95%, 20%, 20%
CMY	0.0510, 0.7961, 0.7961
CMYK	0.00, 0.79, 0.79, 0.05
HSL	0°, 88%, 58%
HSV	0°, 79%, 95%
XYZ	38.4658, 21.5812, 5.3870
YIQ	108.8100, 113.2400, 40.2800

# Conversions

## Conversions Part 2

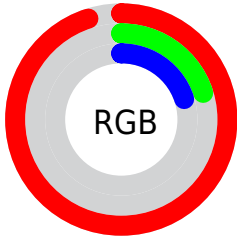
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">242, 52, 52</a>
Decimal	<a href="#">15873076</a>
CIELab	<a href="#">53.58, 69.93, 46.54</a>
CIElCh	<a href="#">54, 84.002, 33.647</a>
Yxy	<a href="#">21.5812, 0.5879, 0.3298</a>
Android (android.graphics.Color)	<a href="#">4294063156 (0xFFFF23434)</a>
YUV	<a href="#">108.8100, -28.0073, 116.8076</a>
Hunter-Lab	<a href="#">46.4555, 66.5031, 25.6436</a>

# Details

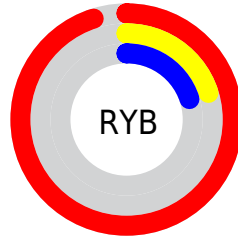
The YUV color **108.8100, -28.0073, 116.8076** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **185.1900, 28.0073, -116.8076**, and the grayscale version is **109.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **155.1500, -27.1890, 87.5684**, and **53.7210, -23.0335, 108.1157** is the 20% darker color. If you saturate the color by 10%, you get **91.9860, -31.5451, 131.5623**, and if you desaturate by 10%, it is **125.6340, -24.4696, 102.0530**.

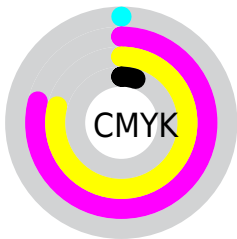
# Distribution



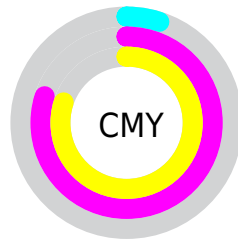
- Red (95%)
- Green (20%)
- Blue (20%)



- Red (95%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (5%)




- Cyan (5%)
- Magenta (80%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 108.8100, -28.0073, 116.8076 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 108.8100, -28.0073, 116.8076 by changing the saturation by 10% instead.




 108.8100,  
-28.0073, 116.8076


 108.8100,  
-28.0073, 116.8076


255.0000, 0.0000,  
0.0000


 65.9110, -17.7041,  
125.4891


 155.1500,  
-27.1890, 87.5684


 53.7210, -23.0335,  
108.1157


 175.6100,  
-24.9507, 69.6250


 43.3550, -21.3740,  
89.1427


 195.5970,  
-21.9863, 52.0964

 33.7870, -16.6570,  
69.4698

 215.6980,  
-18.5851, 34.4679

 24.7460, -11.2138,  
50.2118

 236.5000,  
-15.0365, 16.2245

 15.7760, -6.7916,  
31.7684

 252.6060, -9.1728,

 0.0000, 0.0000,

2.0995

0.0000

■ 108.8100,  
-28.0073, 116.8076

■ 108.8100,  
-28.0073, 116.8076

■ 91.9860, -31.5451,  
131.5623

■ 125.6340,  
-24.4696, 102.0530

■ 75.1620, -35.0829,  
146.3169

■ 142.4580,  
-20.9318, 87.2983

■ 72.3580, -35.6725,  
148.7760


■ 159.9830,  
-17.2466, 71.9289


■ 176.8070,  
-13.7089, 57.1743

■ 193.6310,  
-10.1711, 42.4196

■ 210.4550, -6.6333,  
27.6650

 227.2790, -3.0955,  
12.9103

 244.8040, 0.5896,  
-2.4591

 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.



88.7720, 16.8744, 141.3970



108.8100, -28.0073, 116.8076



118.5220, -58.4313, 74.9642

# Triad

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



108.8100, -28.0073, 116.8076



97.0100, -19.2319, -85.0778



108.3150, 72.3157, -94.9923

# Complementary

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



108.8100, -28.0073, 116.8076



185.1900, 28.0073, -116.8076

# 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.



118.2940, 67.3961, -103.7438



108.8100, -28.0073, 116.8076



108.1360, 13.2440, -94.8353

# Square

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



108.8100, -28.0073, 116.8076



106.6320, -52.5696, -32.1263



116.3440, 44.6934, -102.0337



128.7170, 59.7925, 2.0022



# Rectangle

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



108.8100, -28.0073, 116.8076



120.6720, -59.4913, 41.5067



116.3440, 44.6934, -102.0337



112.4240, 70.2900, -98.5958

# Sweetspot

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



108.8100, -28.0073, 116.8076



212.2390, -8.9918, 37.5014



130.4700, 54.9843, 97.8118



102.0630, -5.4541, 22.7467



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.



108.8100, -28.0073, 116.8076



86.7600, -35.3777, 147.5465



164.5750, -55.4995, 67.9017



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.



185.1900, 28.0073, -116.8076



183.2400, 35.3777, -147.5465



129.4250, 55.4995, -67.9017



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 108.8100, -28.0073, 116.8076 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 108.8100, -28.0073, 116.8076 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 108.8100, -28.0073, 116.8076 Background



This preview shows how black text looks on a background with the YUV color 108.8100, -28.0073, 116.8076.



This preview shows how white text looks on a background with the YUV color 108.8100, -28.0073, 116.8076.



# 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

108.8100, -28.0073, 116.8076

### Protanopia

126.3180, -25.7928, 12.8761

### Deuteranopia

123.9710, -42.8767, 32.4744



## Tritanopia

108.8100, -28.0073, 116.8076

# Trichromacy



## Original Color

108.8100, -28.0073, 116.8076

## Protanomaly

120.0330, -26.6383, 50.8371

## Deuteranomaly

118.5370, -37.7327, 62.6731

## Tritanomaly

108.8100, -28.0073, 116.8076

# Monochromacy



## Original Color

108.8100, -28.0073, 116.8076

## Achromatopsia

109.0000, 0.0000, 0.0000

## Achromatomaly

108.6310, -10.1711, 42.4196

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 108.8100, -28.0073, 116.8076 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, 52, 52)` looks like.

```
.text, #text, p{  
    color:rgb(242, 52, 52)  
}
```

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, 52, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 52, 52) }
```

## Border

The CSS property to change the border of an element to YUV 108.8100, -28.0073, 116.8076 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, 52, 52) }
```



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

```
.border{ border-color:rgb(242, 52, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 52, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 52, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 52, 52);  
box-shadow:4px 4px 4px 4px rgb(242, 52,  
52) }
```

# Background

The CSS property to change the background color of an element to YUV 108.8100, -28.0073, 116.8076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 52, 52) }
```

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

```
.background{ background-color: rgb(242, 52,  
52) }
```

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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