

# Converting Colors

YUV(84.9760, -33.0192,  
137.7100)

Have a look what the booklet for  
YUV(84.9760, -33.0192, 137.7100)  
contains.

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# Color

**YUV(84.9760, -33.0192,  
137.7100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F21212
RGB	242, 18, 18
RGB Percent	95%, 7%, 7%
CMY	0.0510, 0.9294, 0.9294
CMYK	0.00, 0.93, 0.93, 0.05
HSL	0°, 90%, 51%
HSV	0°, 93%, 95%
XYZ	36.9434, 19.3535, 2.3607
YIQ	84.9760, 133.5040, 47.4880

# Conversions

## Conversions Part 2

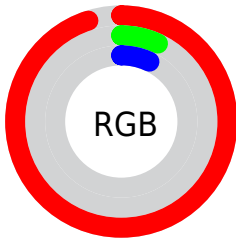
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 18, 18
Decimal	15864338
CIE <sub>Lab</sub>	51.10, 75.68, 59.92
CIE <sub>LCh</sub>	51, 96.527, 38.370
Yxy	19.3535, 0.6298, 0.3299
Android (android.graphics.Color)	4294054418 (0xFFFF21212)
YUV	84.9760, -33.0192, 137.7100
Hunter-Lab	43.9926, 72.9107, 27.6132

# Details

The YUV color **84.9760, -33.0192, 137.7100** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **175.0240, 33.0192, -137.7100**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.5230, -36.2468, 99.5193**, and **52.3250, -25.7962, 107.5860** is the 20% darker color. If you saturate the color by 10%, you get **72.3580, -35.6725, 148.7760**, and if you desaturate by 10%, it is **101.8000, -29.4814, 122.9554**.

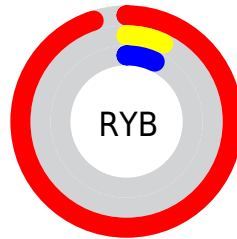
# Distribution



Red (95%)

Green (7%)

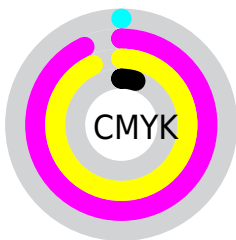
Blue (7%)



Red (95%)

Yellow (7%)

Blue (7%)

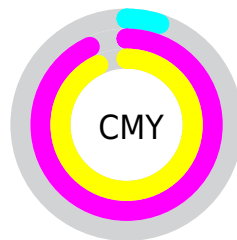


Cyan (0%)

Magenta (93%)

Yellow (93%)

Black (5%)



Cyan (5%)

Magenta (93%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 84.9760, -33.0192, 137.7100 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 84.9760, -33.0192, 137.7100 by changing the saturation by 10% instead.





 84.9760, -33.0192,  
137.7100


 84.9760, -33.0192,  
137.7100


255.0000, 0.0000,  
0.0000


 62.1920, -30.6607,  
127.8736


 141.5230,  
-36.2468, 99.5193


 52.3250, -25.7962,  
107.5860


 162.5700,  
-34.2980, 81.0611


 42.4580, -20.9318,  
87.2983

 183.1440,  
-31.6230, 63.0177

 33.0040, -15.7780,  
67.5255

 203.1310,  
-28.6586, 45.4891

 24.3760, -10.0454,  
48.7822

 223.8190,  
-25.5468, 27.3457


 14.5800, -6.2019,  
29.3093


 245.2080,


 0.0000, 0.0000,


-22.2875, 8.5876


0.0000


 252.0360,  
-11.3567, 2.5994


 84.9760, -33.0192,  
137.7100


 84.9760, -33.0192,  
137.7100

 72.3580, -35.6725,  
148.7760

 101.8000,  
-29.4814, 122.9554

 118.6240,  
-25.9436, 108.2008

 136.1490,  
-22.2585, 92.8313

 152.9730,  
-18.7207, 78.0767

 169.7970,  
-15.1829, 63.3220

■ 186.6210,  
-11.6452, 48.5674

■ 203.4450, -8.1074,  
33.8127

■ 220.9700, -4.4222,  
18.4433

■ 237.7940, -0.8844,  
3.6887

# Harmonies

## Analogous

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



87.9870, 7.4014, 146.4704



84.9760, -33.0192, 137.7100



112.8960, -55.6577, 72.0052

# Triad

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



84.9760, -33.0192, 137.7100



94.9070, -19.6742, -83.2334



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.



84.9760, -33.0192, 137.7100



175.0240, 33.0192, -137.7100

# 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.



115.3590, 68.8430, -101.1698



84.9760, -33.0192, 137.7100



106.8140, 18.3327, -93.6759

# Square

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



84.9760, -33.0192, 137.7100



83.9410, -41.3829, -73.6163



115.9340, 53.2765, -101.6741



121.0210, 65.5586, 19.2756



# Rectangle

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



84.9760, -33.0192, 137.7100



114.7140, -56.5540, 32.6998



115.9340, 53.2765, -101.6741



108.3150, 72.3157, -94.9923

# Sweetspot

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



84.9760, -33.0192, 137.7100



205.2290, -10.4659, 43.6492



110.5120, 64.8236, 115.3150



97.1560, -6.4859, 27.0502



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.



84.9760, -33.0192, 137.7100



76.2450, -37.5888, 156.7681



150.7200, -65.4310, 80.0526



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.



175.0240, 33.0192, -137.7100



178.7550, 37.5888, -156.7681



109.2800, 65.4310, -80.0526



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 84.9760, -33.0192, 137.7100 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 84.9760, -33.0192, 137.7100 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 84.9760, -33.0192, 137.7100

## Background



This preview shows how black text looks on a background with the YUV color 84.9760, -33.0192, 137.7100.



This preview shows how white text looks on a background with the YUV color 84.9760, -33.0192,



# 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

84.9760, -33.0192, 137.7100

### Protanopia

117.6100, -38.7547, 17.0050

### Deuteranopia

115.0240, -56.7068, 35.0590



## Tritanopia

84.6850, -41.7497, 137.9653

# Trichromacy



## Original Color

84.9760, -33.0192, 137.7100

## Protanomaly

105.7540, -36.8537, 60.7287

## Deuteranomaly

104.2580, -47.9482, 72.5647

## Tritanomaly

84.8960, -38.4027, 137.7802

# Monochromacy



## Original Color

84.9760, -33.0192, 137.7100

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.2190, -11.9400, 49.7969

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.9760, -33.0192, 137.7100 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, 18, 18)` looks like.

```
.text, #text, p{  
    color:rgb(242, 18, 18)  
}
```

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, 18, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 18, 18) }
```

## Border

The CSS property to change the border of an element to YUV 84.9760, -33.0192, 137.7100 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, 18, 18) }
```



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

```
.border{ border-color:rgb(242, 18, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 18, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 18, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 18, 18);  
box-shadow:4px 4px 4px 4px rgb(242, 18,  
18) }
```

# Background

The CSS property to change the background color of an element to YUV 84.9760, -33.0192, 137.7100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 18, 18) }
```

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

```
.background{ background-color: rgb(242, 18,  
18) }
```

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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