

# Converting Colors

YIQ(114.8000, 119.2000,  
42.4000)

Have a look what the booklet for  
YIQ(114.8000, 119.2000, 42.4000)  
contains.

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# Color

**YIQ(114.8000, 119.2000,  
42.4000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3737
RGB	255, 55, 55
RGB Percent	100%, 22%, 22%
CMY	0.0000, 0.7846, 0.7838
CMYK	0.00, 0.78, 0.78, 0.00
HSL	360°, 100%, 61%
HSV	360°, 78%, 100%
XYZ	43.2947, 24.2614, 6.0306
YIQ	114.8000, 119.2000, 42.4000

# Conversions

## Conversions Part 2

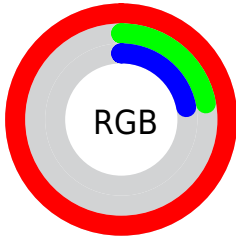
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 55, 55
Decimal	16725815
CIE Lab	56.35, 72.86, 48.50
CIE LCh	56, 87.531, 33.650
Yxy	24.2614, 0.5883, 0.3297
Android (android.graphics.Color)	4294915895 (0xFFFF3737)
YUV	114.8000, -29.4814, 122.9554
Hunter-Lab	49.2559, 70.6994, 27.2199

# Details

The YIQ color **114.8000, 119.2000, 42.4000** 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 **195.2000, -119.2000, -42.4000**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **157.8400, 86.1920, 23.8560**, and **57.6510, 109.4340, 43.1780** is the 20% darker color. If you saturate the color by 10%, you get **96.6880, 134.3750, 48.2230**, and if you desaturate by 10%, it is **132.4390, 103.9790, 37.4110**.

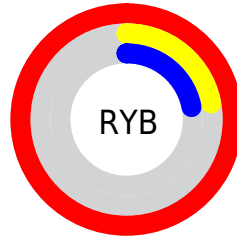
# Distribution



Red (100%)

Green (22%)

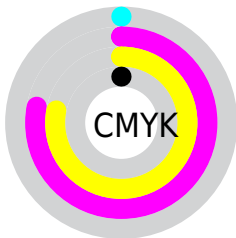
Blue (22%)



Red (100%)

Yellow (22%)

Blue (22%)

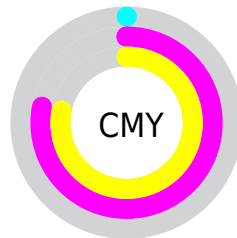


Cyan (0%)

Magenta (78%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (78%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 114.8000, 119.2000, 42.4000 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 YIQ color 114.8000, 119.2000, 42.4000 by changing the saturation by 10% instead.





 114.8000,  
119.2000, 42.4000


 114.8000,  
119.2000, 42.4000


255.0000, -0.0000,  
-0.0000


 70.0260, 122.0400,  
57.0160


 157.8400, 86.1920,  
23.8560


 57.6510, 109.4340,  
43.1780


 178.4140, 69.5960,  
16.2520


 46.9430, 93.5720,  
33.2840


 198.4010, 53.2750,  
9.1710

 37.0760, 73.9040,  
26.2880

 219.0890, 36.3580,  
1.8780

 28.0350, 54.7860,  
20.3380

 239.8910, 19.1200,  
-5.1040

 19.1790, 36.5850,  
14.2890

 253.0620, 5.4570,

 8.1870, 15.7710,

-5.2870

6.0350

■ 0.0000, 0.0000,  
0.0000

■ 114.8000,  
119.2000, 42.4000

■ 114.8000,  
119.2000, 42.4000

■ 96.6880, 134.3750,  
48.2230

■ 132.4390,  
103.9790, 37.4110

■ 79.0490, 149.5960,  
53.2120

■ 150.5510, 88.8040,  
31.5880

■ 76.2450, 151.9800,  
54.0600

■ 168.1900, 73.5830,  
26.5990

■ 186.3020, 58.4080,  
20.7760

■ 203.9410, 43.1870,  
15.7870

■ 222.0530, 28.0120,  
9.9640

■ 239.5780, 13.1120,  
4.6640

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



90.9510, 110.5710, 94.1790



114.8000, 119.2000, 42.4000



125.6320, 100.1360, -8.6000

# Triad

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



114.8000, 119.2000, 42.4000



102.6350, -64.4060, -66.2780



113.0110, -121.1800, 4.5160

# Complementary

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



114.8000, 119.2000, 42.4000



195.2000, -119.2000, -42.4000

# 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.



122.9900, -125.8550, -4.3750



114.8000, 119.2000, 42.4000



114.3310, -91.8280, -42.8680

# Square

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



114.8000, 119.2000, 42.4000



112.5240, 1.7540, -64.8540



122.8810, -115.9030, -19.5430



134.6140, -28.9860, 51.7660



# Rectangle

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



114.8000, 119.2000, 42.4000



127.7710, 71.1630, -28.6850



122.8810, -115.9030, -19.5430



117.1200, -123.1050, 0.8550

# Sweetspot

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



114.8000, 119.2000, 42.4000



212.2390, 36.3560, 12.9320



136.7030, 53.2120, 103.9640



102.0630, 22.0520, 7.8440



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.



114.8000, 119.2000, 42.4000



86.8740, 142.7190, 51.1910



171.7390, 92.5250, -8.3310



118.8870, 7.7480, 2.7560



57.1090, 113.8360, 40.4920



19.1360, 38.1440, 13.5680



# Inverse Universe

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



114.8000, 119.2000, 42.4000



86.8740, 142.7190, 51.1910



138.2610, -92.5250, 8.3310



118.8870, 7.7480, 2.7560



57.1090, 113.8360, 40.4920



19.1360, 38.1440, 13.5680



# Previews

## White Background



This preview shows how the YIQ color 114.8000, 119.2000, 42.4000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

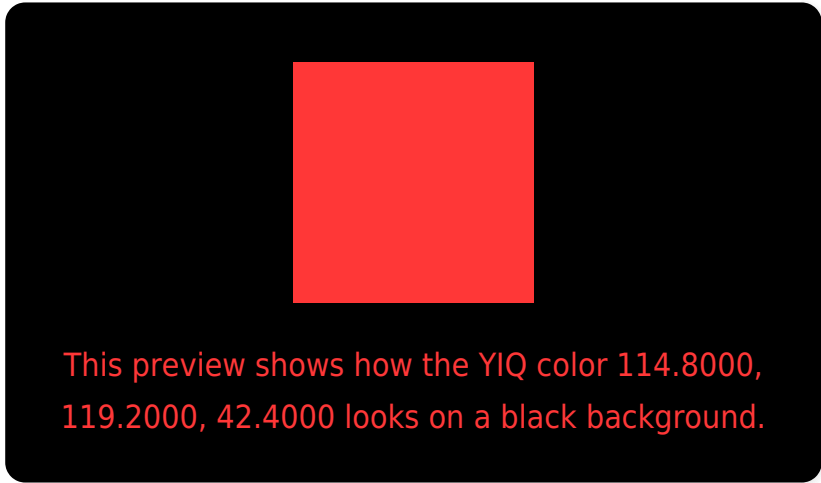
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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](#).

# YIQ 114.8000, 119.2000, 42.4000

## Background



This preview shows how black text looks on a background with the YIQ color 114.8000, 119.2000, 42.4000.



This preview shows how white text looks on a background with the YIQ color 114.8000, 119.2000,



# 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

114.8000, 119.2000, 42.4000

### Protanopia

132.3890, 26.0450, -14.9710

### Deuteranopia

130.9990, 53.3260, -19.2980



## **Tritanopia**

114.8000, 119.2000, 42.4000

# Trichromacy



## Original Color

114.8000, 119.2000, 42.4000

## Protanomaly

126.1150, 59.8320, 5.9760

## Deuteranomaly

125.1030, 77.3010, 3.2610

## Tritanomaly

114.8000, 119.2000, 42.4000

# Monochromacy



## Original Color

114.8000, 119.2000, 42.4000

## Achromatopsia

115.0000, -0.0000, 0.0000

## Achromatomaly

114.8270, 43.5080, 15.4760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 114.8000, 119.2000, 42.4000 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(255, 55, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 55)  
}
```

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(255, 55, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 55) }
```

## Border

The CSS property to change the border of an element to YIQ 114.8000, 119.2000, 42.4000 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(255, 55, 55) }
```



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

```
.border{ border-color:rgb(255, 55, 55) }
```

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

Here you see how a box with a 4 pixel rgb(255, 55, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
55) }
```

# Background

The CSS property to change the background color of an element to YIQ 114.8000, 119.2000, 42.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 55) }
```

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

```
.background{ background-color: rgb(255, 55,  
55) }
```

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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