

# Converting Colors

YIQ(123.4360, 108.0610,  
29.5090)

Have a look what the booklet for  
YIQ(123.4360, 108.0610, 29.5090)  
contains.

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# Color

**YIQ(123.4360, 108.0610,  
29.5090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F54B36
RGB	245, 75, 54
RGB Percent	96%, 29%, 21%
CMY	0.0388, 0.7061, 0.7878
CMYK	0.00, 0.69, 0.78, 0.04
HSL	7°, 91%, 59%
HSV	7°, 78%, 96%
XYZ	40.8708, 24.7203, 6.1214
YIQ	123.4360, 108.0610, 29.5090

# Conversions

## Conversions Part 2

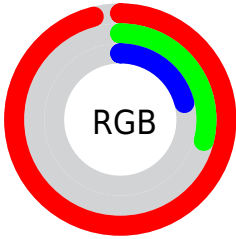
Format	Color
<a href="#">RYB</a>	<a href="#">245, 78, 54</a>
Decimal	<a href="#">16075574</a>
CIELab	<a href="#">56.80, 63.59, 48.90</a>
CIElCh	<a href="#">57, 80.222, 37.561</a>
Yxy	<a href="#">24.7203, 0.5699, 0.3447</a>
Android (android.graphics.Color)	<a href="#">4294265654</a> (0xFFFF54B36)
YUV	<a href="#">123.4360, -34.2319, 106.6116</a>
Hunter-Lab	<a href="#">49.7195, 59.7226, 27.5040</a>

# Details

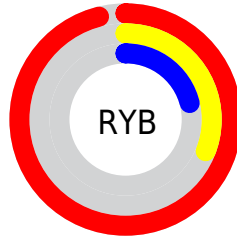
The YIQ color **123.4360, 108.0610, 29.5090** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **175.5640, -108.0610, -29.5090**, and the grayscale version is **124.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **166.0580, 82.3420, 16.5340**, and **54.5040, 105.3540, 40.0260** is the 20% darker color. If you saturate the color by 10%, you get **107.7860, 121.8150, 33.5510**, and if you desaturate by 10%, it is **139.2000, 93.9860, 25.7780**.

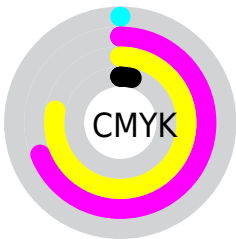
# Distribution



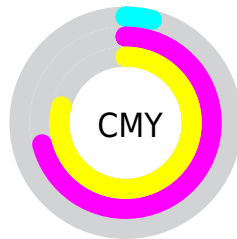
- Red (96%)
- Green (29%)
- Blue (21%)



- Red (96%)
- Yellow (31%)
- Blue (21%)



- Cyan (0%)
- Magenta (69%)
- Yellow (78%)
- Black (4%)




- Cyan (4%)
- Magenta (71%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.4360, 108.0610, 29.5090 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 123.4360, 108.0610, 29.5090 by changing the saturation by 10% instead.





 123.4360,  
108.0610, 29.5090


 123.4360,  
108.0610, 29.5090


255.0000, -0.0000,  
-0.0000


 91.8750, 105.4470,  
32.8310


 166.0580, 82.3420,  
16.5340


 54.6180, 105.0330,  
40.3370


 185.9310, 66.3420,  
9.1420


 44.5510, 88.8040,  
31.5880


 205.4450, 49.9750,  
2.8950

 34.9830, 69.7320,  
24.8040

 226.1330, 33.0580,  
-4.3980

 25.8280, 50.9350,  
18.5430

 246.9350, 15.8200,  
-11.3800

 17.2710, 33.3300,  
12.7060

 253.0620, 5.4570,

 4.7840, 9.5360,

-5.2870

3.3920

■ 0.0000, 0.0000,  
0.0000

■ 123.4360,  
108.0610, 29.5090

■ 123.4360,  
108.0610, 29.5090

■ 107.7860,  
121.8150, 33.5510

■ 139.2000, 93.9860,  
25.7780

■ 92.0220, 135.8900,  
37.2820

■ 154.8500, 80.2320,  
21.7360

■ 89.1040, 138.5950,  
37.8190

■ 170.0270, 66.4320,  
18.5280

■ 185.6770, 52.6780,  
14.4860

■ 201.4410, 38.6030,  
10.7550

217.0910, 24.8490,  
6.7130

232.8550, 10.7740,  
2.9820

248.5050, -2.9800,  
-1.0600

252.0100, -5.9600,  
-2.1200

# Harmonies

## Analogous

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



115.3940, 100.9930, 69.5130



123.4360, 108.0610, 29.5090



127.3380, 91.9760, -14.9040

# Triad

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



123.4360, 108.0610, 29.5090



104.6870, -70.1840, -60.6800



111.2500, -120.3550, 6.0850

# Complementary

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



123.4360, 108.0610, 29.5090



175.5640, -108.0610, -29.5090

# 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.



121.8160, -125.3050, -3.3290



123.4360, 108.0610, 29.5090



114.8840, -94.7630, -39.2350

# Square

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



123.4360, 108.0610, 29.5090



111.9150, -0.9050, -66.2250



122.0490, -116.3160, -17.5640



138.6110, -15.7360, 53.9280



# Rectangle

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



123.4360, 108.0610, 29.5090



128.3140, 65.0200, -32.9960



122.0490, -116.3160, -17.5640



115.3590, -122.2800, 2.4240

# Sweetspot

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



123.4360, 108.0610, 29.5090



217.7500, 33.2390, 8.8470



130.7170, 58.6240, 93.9840



105.1120, 20.3560, 5.5400



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.



123.4360, 108.0610, 29.5090



102.0220, 135.8900, 37.2820



178.6140, 82.2110, -19.6530



114.1750, 6.8770, 2.0210



67.3540, 105.3560, 28.9720



21.1630, 33.5140, 9.3700



# Inverse Universe

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



175.5640, -108.0610, -29.5090



167.9780, -135.8900, -37.2820



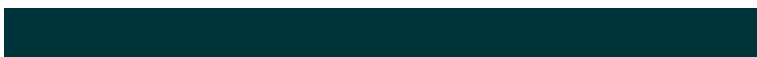
120.9730, -82.4860, 19.1300



117.8250, -6.8770, -2.0210



118.6460, -105.3560, -28.9720



37.2500, -33.2390, -8.8470



# Previews

## White Background



This preview shows how the YIQ color 123.4360, 108.0610, 29.5090 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 YIQ color 123.4360, 108.0610, 29.5090 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](#).

# YIQ 123.4360, 108.0610, 29.5090

## Background



This preview shows how black text looks on a background with the YIQ color 123.4360, 108.0610, 29.5090.



This preview shows how white text looks on a background with the YIQ color 123.4360, 108.0610,



# 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

123.4360, 108.0610, 29.5090

### Protanopia

133.7760, 29.2090, -17.2470

### Deuteranopia

132.1130, 53.0050, -18.9870



## Tritanopia

124.4820, 102.4200, 38.1320

# Trichromacy



## Original Color

123.4360, 108.0610, 29.5090

## Protanomaly

129.6430, 58.0450, -0.1870

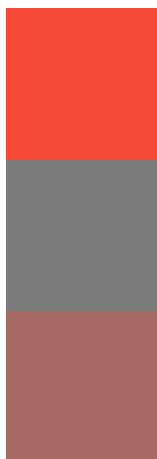
## Deuteranomaly

129.0160, 72.9920, -1.2480

## Tritanomaly

124.1570, 104.7130, 35.1210

# Monochromacy



## Original Color

123.4360, 108.0610, 29.5090

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

123.3270, 38.9240, 10.4440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.4360, 108.0610, 29.5090 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(245, 75, 54)` looks like.

```
.text, #text, p{  
    color:rgb(245, 75, 54)  
}
```

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(245, 75, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 75, 54) }
```

## Border

The CSS property to change the border of an element to YIQ 123.4360, 108.0610, 29.5090 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(245, 75, 54) }
```



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

```
.border{ border-color:rgb(245, 75, 54) }
```

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

Here you see how a box with a 4 pixel rgb(245, 75, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 75, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 75, 54);  
box-shadow:4px 4px 4px 4px rgb(245, 75,  
54) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.4360, 108.0610, 29.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 75, 54) }
```

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

```
.background{ background-color: rgb(245, 75,  
54) }
```

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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