

# Converting Colors

YIQ(123.7670, 105.6310,  
29.4950)

Have a look what the booklet for  
YIQ(123.7670, 105.6310, 29.4950)  
contains.

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# Color

**YIQ(123.7670, 105.6310,  
29.4950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F34C39
RGB	243, 76, 57
RGB Percent	95%, 30%, 22%
CMY	0.0467, 0.7022, 0.7760
CMYK	0.00, 0.69, 0.77, 0.05
HSL	6°, 89%, 59%
HSV	6°, 77%, 95%
XYZ	40.3170, 24.5279, 6.4948
YIQ	123.7670, 105.6310, 29.4950

# Conversions

## Conversions Part 2

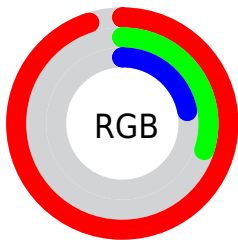
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 78, 57
Decimal	15944761
CIE Lab	56.61, 62.70, 47.05
CIE LCh	57, 78.387, 36.886
Yxy	24.5279, 0.5651, 0.3438
Android (android.graphics.Color)	4294134841 (0xFFFF34C39)
YUV	123.7670, -32.9161, 104.5673
Hunter-Lab	49.5257, 58.6403, 26.8927

# Details

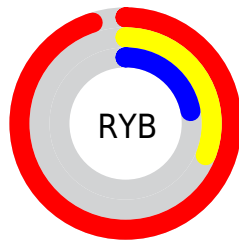
The YIQ color **123.7670, 105.6310, 29.4950** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **176.2330, -105.6310, -29.4950**, and the grayscale version is **124.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **166.9870, 81.1040, 16.9440**, and **54.6610, 103.4740, 41.0580** is the 20% darker color. If you saturate the color by 10%, you get **108.1170, 119.3850, 33.5370**, and if you desaturate by 10%, it is **139.4170, 91.8770, 25.4530**.

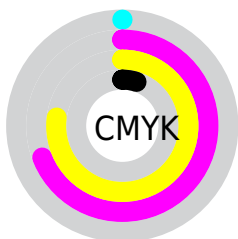
# Distribution



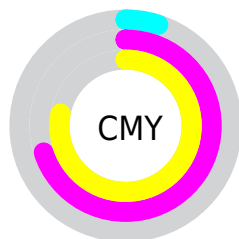
- Red (95%)
- Green (30%)
- Blue (22%)



- Red (95%)
- Yellow (31%)
- Blue (22%)



- Cyan (0%)
- Magenta (69%)
- Yellow (77%)
- Black (5%)




- Cyan (5%)
- Magenta (70%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.7670, 105.6310, 29.4950 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 123.7670, 105.6310, 29.4950 by changing the saturation by 10% instead.





 123.7670,  
105.6310, 29.4950


 123.7670,  
105.6310, 29.4950


255.0000, -0.0000,  
-0.0000


 92.7930, 102.7420,  
32.2940


 166.9870, 81.1040,  
16.9440

 54.7750, 103.1530,  
41.3690


 186.2730, 65.3790,  
10.0750


 43.9530, 87.6120,  
31.1640


 206.3740, 48.7370,  
3.3050

 34.3850, 68.5400,  
24.3800

 226.4750, 32.0950,  
-3.4650

 25.5290, 50.3390,  
18.3310

 247.2770, 14.8570,  
-10.4470

 16.9720, 32.7340,  
12.4940

 253.4040, 4.4940,

 3.8870, 7.7480,

-4.3540

2.7560

■ 0.0000, 0.0000,  
0.0000

■ 123.7670,  
105.6310, 29.4950

■ 123.7670,  
105.6310, 29.4950

■ 108.1170,  
119.3850, 33.5370

■ 139.4170, 91.8770,  
25.4530

■ 92.3530, 133.4600,  
37.2680


■ 155.1810, 77.8020,  
21.7220


■ 87.3320, 137.9530,  
38.4410

■ 170.2440, 64.3230,  
18.2030


■ 185.8940, 50.5690,  
14.1610

■ 201.6580, 36.4940,  
10.4300

 217.3080, 22.7400,  
6.3880

 232.9580, 8.9860,  
2.3460

 248.7220, -5.0890,  
-1.3850

 251.4120, -7.1520,  
-2.5440

# Harmonies

## Analogous

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



118.1440, 98.7010, 66.9970



123.7670, 105.6310, 29.4950



127.0390, 91.3800, -15.1160

# Triad

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



123.7670, 105.6310, 29.4950



103.9860, -69.5880, -60.4680



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.



123.7670, 105.6310, 29.4950



176.2330, -105.6310, -29.4950

# 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.



121.2290, -125.0300, -2.8060



123.7670, 105.6310, 29.4950



113.9550, -93.5250, -39.6450

# Square

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



123.7670, 105.6310, 29.4950



112.8230, 2.3500, -64.6420



121.0060, -114.7570, -18.2850



138.0730, -17.1570, 52.1470



# Rectangle

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



123.7670, 105.6310, 29.4950



127.7270, 65.2950, -32.4730



121.0060, -114.7570, -18.2850



115.3590, -122.2800, 2.4240

# Sweetspot

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



123.7670, 105.6310, 29.4950



217.1630, 33.5140, 9.3700



131.6520, 57.2490, 91.3690



104.5250, 20.6310, 6.0630



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.



123.7670, 105.6310, 29.4950



104.3530, 133.4600, 37.2680



178.3580, 80.0560, -19.1440



114.1750, 6.8770, 2.0210



66.7670, 105.6310, 29.4950



21.1630, 33.5140, 9.3700

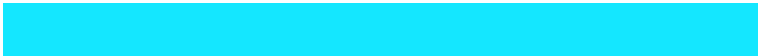


# Inverse Universe

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



176.2330, -105.6310, -29.4950



170.6470, -133.4600, -37.2680



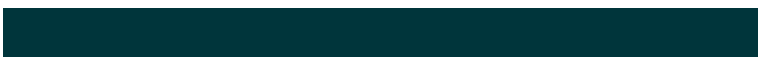
122.2290, -80.3310, 18.6210



117.8250, -6.8770, -2.0210



119.2330, -105.6310, -29.4950



37.8370, -33.5140, -9.3700



# Previews

## White Background



This preview shows how the YIQ color 123.7670, 105.6310, 29.4950 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 123.7670, 105.6310, 29.4950 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 123.7670, 105.6310, 29.4950

## Background



This preview shows how black text looks on a background with the YIQ color 123.7670, 105.6310, 29.4950.



This preview shows how white text looks on a background with the YIQ color 123.7670, 105.6310, 29.4950.

29.4950.

# 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

123.7670, 105.6310, 29.4950

### Protanopia

133.2320, 27.9250, -16.0030

### Deuteranopia

131.6830, 51.4000, -17.4320



## Tritanopia

124.5850, 100.6320, 37.4960

# Trichromacy



## Original Color

123.7670, 105.6310, 29.4950

## Protanomaly

129.6860, 56.4860, 0.5340

## Deuteranomaly

129.0590, 71.4330, -0.5270

## Tritanomaly

124.3740, 102.6040, 34.7960

# Monochromacy



## Original Color

123.7670, 105.6310, 29.4950

## Achromatopsia

124.0000, -0.0000, -0.0000

## Achromatomaly

124.1420, 38.0070, 10.5430

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.7670, 105.6310, 29.4950 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(243, 76, 57)` looks like.

```
.text, #text, p{  
    color:rgb(243, 76, 57)  
}
```

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(243, 76, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 76, 57) }
```

## Border

The CSS property to change the border of an element to YIQ 123.7670, 105.6310, 29.4950 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(243, 76, 57) }
```



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

```
.border{ border-color:rgb(243, 76, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 76, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 76, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 76, 57);  
box-shadow:4px 4px 4px 4px rgb(243, 76,  
57) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.7670, 105.6310, 29.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 76, 57) }
```

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

```
.background{ background-color: rgb(243, 76,  
57) }
```

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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