

Converting Colors

YIQ(158.8650, 83.9030, 4.7590)

Have a look what the booklet for
YIQ(158.8650, 83.9030, 4.7590)
contains.

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Color

**YIQ(158.8650, 83.9030,
4.7590)**

Conversions

Conversions Part 1

Format	Color
Hex	F2854A
RGB	242, 133, 74
RGB Percent	95%, 52%, 29%
CMY	0.0508, 0.4786, 0.7094
CMYK	0.00, 0.45, 0.69, 0.05
HSL	21°, 87%, 62%
HSV	21°, 69%, 95%
XYZ	46.2580, 36.1455, 11.0343
YIQ	158.8650, 83.9030, 4.7590

Conversions

Conversions Part 2

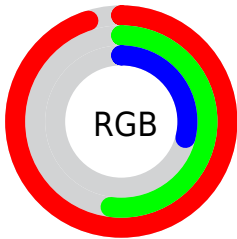
Format	Color
R _Y B	242, 165, 74
Decimal	15893834
CIE Lab	66.63, 37.13, 49.22
CIE LCh	67, 61.655, 52.973
Yxy	36.1455, 0.4951, 0.3868
Android (android.graphics.Color)	4294083914 (0xFFFF2854A)
YUV	158.8650, -41.8384, 72.9094
Hunter-Lab	60.1211, 32.1283, 31.2030

Details

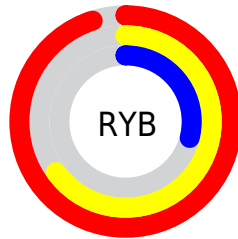
The YIQ color **158.8650, 83.9030, 4.7590** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **157.1350, -83.9030, -4.7590**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **200.2640, 60.4300, -4.8660**, and **104.1030, 77.3010, 3.2610** is the 20% darker color. If you saturate the color by 10%, you get **146.7370, 96.0070, 5.6630**, and if you desaturate by 10%, it is **170.9930, 71.7990, 3.8550**.

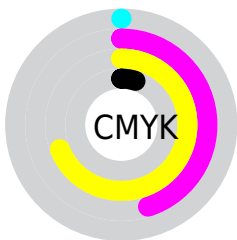
Distribution



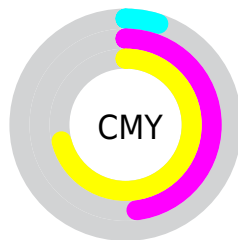
- Red (95%)
- Green (52%)
- Blue (29%)



- Red (95%)
- Yellow (65%)
- Blue (29%)



- Cyan (0%)
- Magenta (45%)
- Yellow (69%)
- Black (5%)



- Cyan (5%)
- Magenta (48%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 158.8650, 83.9030, 4.7590 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 158.8650, 83.9030, 4.7590 by changing the saturation by 10% instead.

158.8650, 83.9030,
4.7590

158.8650, 83.9030,
4.7590

255.0000, -0.0000,
-0.0000

131.4840, 80.6020,
4.0100

200.2640, 60.4300,
-4.8660

104.1030, 77.3010,
3.2610

219.7780, 44.0630,
-11.1130

77.7220, 74.0000,
2.5120

239.8790, 27.4210,
-17.8830

54.0770, 62.9950,
9.2270

249.5280, 15.4080,
-14.9280

27.7960, 53.9610,
18.7690

252.7200, 6.4200,
-6.2200

18.5380, 36.9520,
13.1440

10.8780, 21.1350,

7.9430

■ 0.0000, 0.0000,
0.0000

■ 158.8650, 83.9030,
4.7590

■ 158.8650, 83.9030,
4.7590

■ 146.7370, 96.0070,
5.6630

■ 170.9930, 71.7990,
3.8550

■ 135.1960,
107.8360, 6.0440

■ 182.6480, 59.6490,
3.7850


■ 122.9540,
120.2610, 6.6370

■ 194.7760, 47.5450,
2.8810


■ 122.2530,
120.8570, 6.8490

■ 206.9040, 35.4410,
1.9770

■ 219.0320, 23.3370,
1.0730

 230.5730, 11.5080,
0.6920

 242.8150, -0.9170,
0.0990

 251.1130, -7.7480,
-2.7560

Harmonies

Analogous

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



157.0710, 81.4680, 32.3800



158.8650, 83.9030, 4.7590



156.2850, 63.9640, -24.8680

Triad

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



158.8650, 83.9030, 4.7590



127.1140, -98.8870, -52.6070



160.7410, -40.4900, 28.9660

Complementary

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



158.8650, 83.9030, 4.7590



157.1350, -83.9030, -4.7590

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.



130.0340, -129.1550, -10.6510



158.8650, 83.9030, 4.7590



134.1990, -117.4590, -35.4030

Square

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



158.8650, 83.9030, 4.7590



141.5300, -32.7730, -50.3490



136.5080, -130.8500, -18.4820



166.8260, 20.0270, 50.0670

Rectangle

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



158.8650, 83.9030, 4.7590



153.4620, 40.9960, -38.1400



136.5080, -130.8500, -18.4820



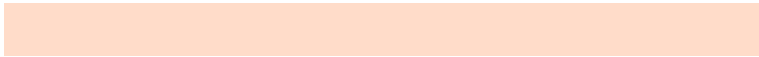
152.8900, -66.2550, 16.8250

Sweetspot

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



158.8650, 83.9030, 4.7590



228.2990, 26.9590, 1.5110



136.6580, 65.1390, 69.5150



112.0250, 16.0470, 1.0310



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.



158.8650, 83.9030, 4.7590



150.4130, 105.7270, 5.7190



208.1730, 60.8030, -39.1730



113.9360, 6.0520, 0.4520



92.5840, 92.0640, 5.5360



28.4840, 27.8760, 1.4120

Inverse Universe

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



157.1350, -83.9030, -4.7590



148.1740, -106.0020, -6.2420



107.8270, -60.8030, 39.1730



114.0640, -6.0520, -0.4520



90.8290, -91.7890, -5.0130



27.5160, -27.8760, -1.4120

Previews

White Background



This preview shows how the YIQ color 158.8650, 83.9030, 4.7590 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 158.8650, 83.9030, 4.7590 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 158.8650, 83.9030, 4.7590

Background



This preview shows how black text looks on a background with the YIQ color 158.8650, 83.9030, 4.7590.



This preview shows how white text looks on a background with the YIQ color 158.8650, 83.9030,

4.7590.

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

158.8650, 83.9030, 4.7590

Protanopia

158.7780, 34.8950, -21.1770

Deuteranopia

159.2490, 55.6180, -16.7820



Tritanopia

162.6070, 68.0350, 28.0270

Trichromacy



Original Color

158.8650, 83.9030, 4.7590

Protanomaly

158.7420, 52.9120, -11.7920

Deuteranomaly

159.2660, 66.1160, -8.7960

Tritanomaly

161.5610, 73.6760, 19.4040

Monochromacy



Original Color

158.8650, 83.9030, 4.7590

Achromatopsia

159.0000, -0.0000, 0.0000

Achromatomaly

159.1530, 30.3060, 1.4260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 158.8650, 83.9030, 4.7590 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, 133, 74)` looks like.

```
.text, #text, p{  
    color:rgb(242, 133, 74)  
}
```

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, 133, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 133, 74) }
```

Border

The CSS property to change the border of an element to YIQ 158.8650, 83.9030, 4.7590 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, 133, 74) }
```


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

```
.border{ border-color:rgb(242, 133, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 133, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 133, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 133, 74);  
box-shadow:4px 4px 4px 4px rgb(242, 133,  
74) }
```

Background

The CSS property to change the background color of an element to YIQ 158.8650, 83.9030, 4.7590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 133, 74) }
```

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

```
.background{ background-color: rgb(242,  
133, 74) }
```

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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