

Converting Colors

YIQ(166.9070, 84.0850, 12.4770)

Have a look what the booklet for
YIQ(166.9070, 84.0850, 12.4770)
contains.

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Color

**YIQ(166.9070, 84.0850,
12.4770)**

Conversions

Conversions Part 1

Format	Color
Hex	FF885F
RGB	255, 136, 95
RGB Percent	100%, 53%, 37%
CMY	0.0000, 0.4668, 0.6271
CMYK	0.00, 0.47, 0.63, 0.00
HSL	15°, 100%, 69%
HSV	15°, 63%, 100%
XYZ	52.1069, 39.6821, 15.7618
YIQ	166.9070, 84.0850, 12.4770

Conversions

Conversions Part 2

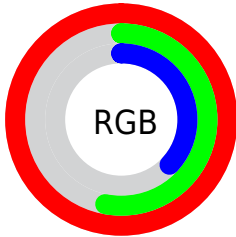
Format	Color
R _Y B	255, 150, 95
Decimal	16746591
CIE Lab	69.24, 41.79, 41.96
CIE LCh	69, 59.221, 45.111
Yxy	39.6821, 0.4845, 0.3690
Android (android.graphics.Color)	4294936671 (0xFFFF885F)
YUV	166.9070, -35.4502, 77.2576
Hunter-Lab	62.9937, 37.4118, 29.2606

Details

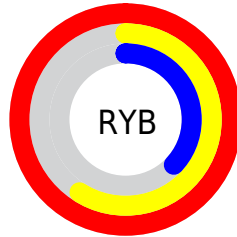
The YIQ color **166.9070, 84.0850, 12.4770** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **183.0930, -84.0850, -12.4770**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **205.0060, 52.5890, -0.4270**, and **111.7860, 77.1160, 12.1240** is the 20% darker color. If you saturate the color by 10%, you get **152.9040, 97.3350, 14.6390**, and if you desaturate by 10%, it is **181.0240, 70.5140, 10.6260**.

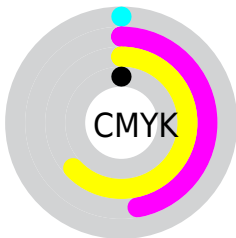
Distribution



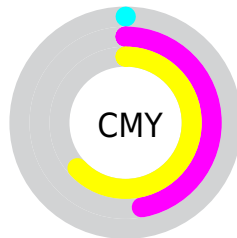
- Red (100%)
- Green (53%)
- Blue (37%)



- Red (100%)
- Yellow (59%)
- Blue (37%)



- Cyan (0%)
- Magenta (47%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 166.9070, 84.0850, 12.4770 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 166.9070, 84.0850, 12.4770 by changing the saturation by 10% instead.

 166.9070, 84.0850,
12.4770


 166.9070, 84.0850,
12.4770


255.0000, -0.0000,
-0.0000


 139.0530, 80.7380,
12.5620


 205.1200, 52.2680,
-0.1160


 111.7860, 77.1160,
12.1240


 224.5200, 36.2220,
-6.6740


 85.5190, 73.4940,
11.6860

 244.7350, 19.2590,
-13.1330

 57.9640, 70.7430,
11.9830

 252.0360, 8.3460,
-8.0860

 30.7970, 61.3880,
21.8360

 22.1260, 44.1040,
15.6880

 14.8790, 28.5620,

11.0100

■ 0.0000, 0.0000,
0.0000

■ 166.9070, 84.0850,
12.4770

■ 166.9070, 84.0850,
12.4770

■ 152.9040, 97.3350,
14.6390

■ 181.0240, 70.5140,
10.6260

■ 138.7870,
110.9060, 16.4900

■ 195.0270, 57.2640,
8.4640

■ 124.7840,
124.1560, 18.6520

■ 209.1440, 43.6930,
6.6130

■ 114.4000,
134.1050, 20.0650

■ 223.1470, 30.4430,
4.4510

■ 237.2640, 16.8720,
2.6000

251.2670, 3.6220,
0.4380

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.



164.2750, 72.2060, 35.0380



166.9070, 84.0850, 12.4770



165.1920, 68.9600, -16.2880

Triad

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



166.9070, 84.0850, 12.4770



129.8380, -98.2900, -57.9220



162.9900, -54.7930, 18.3510

Complementary

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



166.9070, 84.0850, 12.4770



183.0930, -84.0850, -12.4770

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.



135.9040, -131.9050, -15.8810



166.9070, 84.0850, 12.4770



136.6950, -116.2200, -41.3400

Square

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



166.9070, 84.0850, 12.4770



153.4030, -13.2420, -46.3780



140.5200, -131.1240, -24.5320



174.3510, 5.1270, 44.7670

Rectangle

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



166.9070, 84.0850, 12.4770



162.1690, 49.4310, -31.3130



140.5200, -131.1240, -24.5320



152.7580, -83.8590, 5.4610

Sweetspot

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



166.9070, 84.0850, 12.4770



228.3960, 25.3080, 3.9000



156.5200, 56.8400, 71.2400



111.6660, 15.6800, 2.1760



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.



166.9070, 84.0850, 12.4770



149.8720, 100.3610, 14.8650



213.2800, 62.3600, -28.8400



120.6480, 6.9230, 1.1870



85.8720, 100.3610, 14.8650



28.5280, 33.7440, 5.2000

Inverse Universe

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



183.0930, -84.0850, -12.4770



169.1280, -100.3610, -14.8650



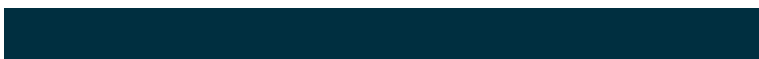
136.7200, -62.3600, 28.8400



121.7650, -6.6480, -0.6640



105.1280, -100.3610, -14.8650



34.8850, -33.4690, -4.6770

Previews

White Background



This preview shows how the YIQ color 166.9070, 84.0850, 12.4770 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 166.9070, 84.0850, 12.4770 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 166.9070, 84.0850, 12.4770

Background



This preview shows how black text looks on a background with the YIQ color 166.9070, 84.0850, 12.4770.



This preview shows how white text looks on a background with the YIQ color 166.9070, 84.0850,

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

166.9070, 84.0850, 12.4770

Protanopia

166.7160, 29.4380, -15.8900

Deuteranopia

167.5460, 50.5280, -12.6400



Tritanopia

169.8030, 70.4190, 28.8750

Trichromacy



Original Color

166.9070, 84.0850, 12.4770

Protanomaly

166.6910, 48.9220, -5.5580

Deuteranomaly

167.5740, 62.4930, -3.7070

Tritanomaly

168.4520, 75.6010, 23.0650

Monochromacy



Original Color

166.9070, 84.0850, 12.4770

Achromatopsia

167.0000, -0.0000, -0.0000

Achromatomaly

167.1470, 30.4430, 4.4510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.9070, 84.0850, 12.4770 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, 136, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 95)  
}
```

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, 136, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 95) }
```

Border

The CSS property to change the border of an element to YIQ 166.9070, 84.0850, 12.4770 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, 136, 95) }
```


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

```
.border{ border-color:rgb(255, 136, 95) }
```

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

Here you see how a box with a 4 pixel rgb(255, 136, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
95) }
```

Background

The CSS property to change the background color of an element to YIQ 166.9070, 84.0850, 12.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 95) }
```

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

```
.background{ background-color: rgb(255,  
136, 95) }
```

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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