

Converting Colors

YIQ(166.5650, 85.0480, 11.5440)

Have a look what the booklet for
YIQ(166.5650, 85.0480, 11.5440)
contains.

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Color

**YIQ(166.5650, 85.0480,
11.5440)**

Conversions

Conversions Part 1

Format	Color
Hex	FF885C
RGB	255, 136, 92
RGB Percent	100%, 53%, 36%
CMY	0.0000, 0.4668, 0.6388
CMYK	0.00, 0.47, 0.64, 0.00
HSL	16°, 100%, 68%
HSV	16°, 64%, 100%
XYZ	51.9730, 39.6286, 15.0567
YIQ	166.5650, 85.0480, 11.5440

Conversions

Conversions Part 2

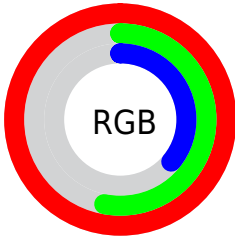
Format	Color
R_{YB}	255, 152, 92
Decimal	16746588
CIE _{Lab}	69.20, 41.61, 43.48
CIE _{LCh}	69, 60.181, 46.260
Yxy	39.6286, 0.4873, 0.3715
Android (android.graphics.Color)	4294936668 (0xFFFF885C)
YUV	166.5650, -36.7605, 77.5575
Hunter-Lab	62.9512, 37.2063, 29.8848

Details

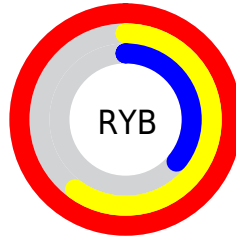
The YIQ color **166.5650, 85.0480, 11.5440** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **180.4350, -85.0480, -11.5440**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **204.6640, 53.5520, -1.3600**, and **112.0310, 77.8040, 10.6680** is the 20% darker color. If you saturate the color by 10%, you get **152.5620, 98.2980, 13.7060**, and if you desaturate by 10%, it is **180.6820, 71.4770, 9.6930**.

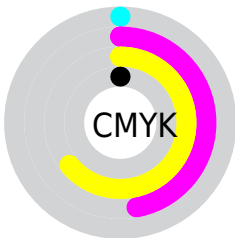
Distribution



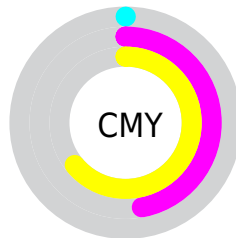
- Red (100%)
- Green (53%)
- Blue (36%)



- Red (100%)
- Yellow (60%)
- Blue (36%)



- Cyan (0%)
- Magenta (47%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 166.5650, 85.0480, 11.5440 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 166.5650, 85.0480, 11.5440 by changing the saturation by 10% instead.

 166.5650, 85.0480,
11.5440


 166.5650, 85.0480,
11.5440


255.0000, -0.0000,
-0.0000


 138.7110, 81.7010,
11.6290


 204.6640, 53.5520,
-1.3600


 111.4440, 78.0790,
11.1910


 224.1780, 37.1850,
-7.6070


 84.7640, 74.1820,
10.2300

 244.3930, 20.2220,
-14.0660

 57.6650, 70.1470,
11.7710

 251.6940, 9.3090,
-9.0190

 30.7970, 61.3880,
21.8360

 22.1260, 44.1040,
15.6880

 14.8790, 28.5620,

11.0100

■ 0.0000, 0.0000,
0.0000

■ 166.5650, 85.0480,
11.5440

■ 166.5650, 85.0480,
11.5440

■ 152.5620, 98.2980,
13.7060

■ 180.6820, 71.4770,
9.6930

■ 139.0320,
111.5940, 15.0340

■ 194.0980, 58.5020,
8.0540

■ 125.0290,
124.8440, 17.1960

■ 208.2150, 44.9310,
6.2030

■ 116.7480,
133.0050, 17.9730

■ 221.6310, 31.9560,
4.5640

■ 235.7480, 18.3850,
2.7130

249.7510, 5.1350,
0.5510

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.



163.3460, 73.4440, 34.6280



166.5650, 85.0480, 11.5440



164.5510, 69.3270, -17.4330

Triad

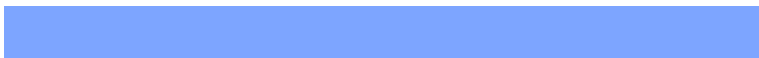
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



166.5650, 85.0480, 11.5440



129.9520, -98.6110, -57.6110



163.3000, -52.7300, 19.5100

Complementary

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



166.5650, 85.0480, 11.5440



180.4350, -85.0480, -11.5440

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



166.5650, 85.0480, 11.5440



137.6240, -117.4580, -40.9300

Square

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



166.5650, 85.0480, 11.5440



152.0220, -16.5430, -47.1270



140.8620, -132.0870, -23.5990



174.0740, 7.4650, 46.4490

Rectangle

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



166.5650, 85.0480, 11.5440



161.9300, 48.6060, -32.8820



140.8620, -132.0870, -23.5990



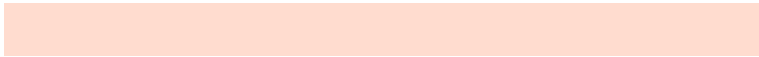
153.0680, -81.7960, 6.6200

Sweetspot

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



166.5650, 85.0480, 11.5440



228.9830, 25.0330, 3.3770



154.4170, 58.6280, 71.8760



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.



166.5650, 85.0480, 11.5440



148.7150, 102.2410, 13.8330



214.1120, 62.7730, -30.8190



120.6480, 6.9230, 1.1870



87.0460, 99.8110, 13.8190



29.1150, 33.4690, 4.6770

Inverse Universe

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



180.4350, -85.0480, -11.5440



165.2850, -102.2410, -13.8330



132.8880, -62.7730, 30.8190



121.7650, -6.6480, -0.6640



103.9540, -99.8110, -13.8190



34.8850, -33.4690, -4.6770

Previews

White Background



This preview shows how the YIQ color 166.5650, 85.0480, 11.5440 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 166.5650, 85.0480, 11.5440 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 166.5650, 85.0480, 11.5440

Background



This preview shows how black text looks on a background with the YIQ color 166.5650, 85.0480, 11.5440.



This preview shows how white text looks on a background with the YIQ color 166.5650, 85.0480,

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

166.5650, 85.0480, 11.5440

Protanopia

166.3740, 30.4010, -16.8230

Deuteranopia

166.6170, 51.7660, -13.0500



Tritanopia

169.8030, 70.4190, 28.8750

Trichromacy



Original Color

166.5650, 85.0480, 11.5440

Protanomaly

166.3490, 49.8850, -6.4910

Deuteranomaly

166.6450, 63.7310, -4.1170

Tritanomaly

168.3380, 75.9220, 22.7540

Monochromacy



Original Color

166.5650, 85.0480, 11.5440

Achromatopsia

167.0000, -0.0000, -0.0000

Achromatomaly

167.0330, 30.7640, 4.1400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.5650, 85.0480, 11.5440 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 92) }
```

Border

The CSS property to change the border of an element to YIQ 166.5650, 85.0480, 11.5440 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, 92) }
```


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

```
.border{ border-color:rgb(255, 136, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
92) }
```

Background

The CSS property to change the background color of an element to YIQ 166.5650, 85.0480, 11.5440 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, 92) }
```

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

```
.background{ background-color: rgb(255,  
136, 92) }
```

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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