

Converting Colors

YIQ(146.7090, 102.3780,
16.8580)

Have a look what the booklet for
YIQ(146.7090, 102.3780, 16.8580)
contains.

YIQ(146.7090, 102.3780, 16.8580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(146.7090, 102.3780,
16.8580)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6C3E
RGB	255, 108, 62
RGB Percent	100%, 42%, 24%
CMY	0.0000, 0.5767, 0.7564
CMYK	0.00, 0.58, 0.76, 0.00
HSL	14°, 100%, 62%
HSV	14°, 76%, 100%
XYZ	47.4686, 32.3211, 8.3104
YIQ	146.7090, 102.3780, 16.8580

Conversions

Conversions Part 2

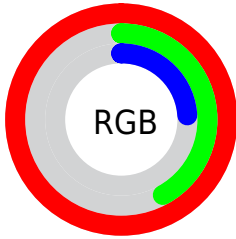
Format	Color
R_{YB}	255, 122, 62
Decimal	16739390
CIE _{Lab}	63.61, 53.56, 52.42
CIE _{LCh}	64, 74.943, 44.381
Yxy	32.3211, 0.5388, 0.3669
Android (android.graphics.Color)	4294929470 (0xFFFF6C3E)
YUV	146.7090, -41.7615, 94.9712
Hunter-Lab	56.8517, 49.5493, 31.1293

Details

The YIQ color **146.7090, 102.3780, 16.8580** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **170.2910, -102.3780, -16.8580**, and the grayscale version is **147.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **184.6940, 71.2030, 3.6430**, and **88.8870, 96.0050, 16.7170** is the 20% darker color. If you saturate the color by 10%, you get **132.7060, 115.6280, 19.0200**, and if you desaturate by 10%, it is **160.8260, 88.8070, 15.0070**.

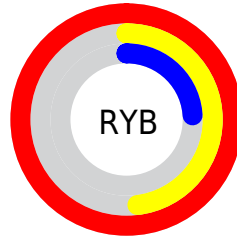
Distribution



Red (100%)

Green (42%)

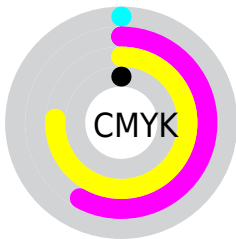
Blue (24%)



Red (100%)

Yellow (48%)

Blue (24%)

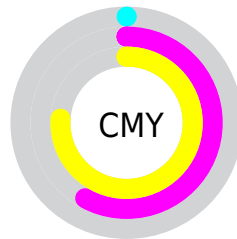


Cyan (0%)

Magenta (58%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 146.7090, 102.3780, 16.8580 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 146.7090, 102.3780, 16.8580 by changing the saturation by 10% instead.


 146.7090,
102.3780, 16.8580


 146.7090,
102.3780, 16.8580


255.0000, -0.0000,
-0.0000


 118.5560, 98.4350,
16.7310


 184.6940, 71.2030,
3.6430


 88.8870, 96.0050,
16.7170


 204.6810, 54.8820,
-3.4380


 58.1070, 89.8140,
24.2940


 224.1950, 38.5150,
-9.6850

 38.2720, 76.2880,
27.1360

 244.9970, 21.2770,
-16.6670

 29.3020, 58.4080,
20.7760

 251.1240, 10.9140,
-10.5740

 20.7450, 40.8030,
14.9390

 254.4300, 1.6050,

 11.7750, 22.9230,

-1.5550

8.5790

■ 0.0000, 0.0000,
0.0000

■ 146.7090,
102.3780, 16.8580

■ 146.7090,
102.3780, 16.8580

■ 132.7060,
115.6280, 19.0200

■ 160.8260, 88.8070,
15.0070

■ 118.0020,
129.4740, 21.3940

■ 175.4160, 75.2820,
12.3220

■ 112.0520,
135.2050, 22.1570

■ 189.5330, 61.7110,
10.4710

■ 204.1230, 48.1860,
7.7860

■ 218.2400, 34.6150,
5.9350

■ 232.8300, 21.0900,
3.2500

■ 246.9470, 7.5190,
1.3990

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.



139.2160, 89.0300, 49.5260



146.7090, 102.3780, 16.8580



144.6930, 88.9980, -27.0180

Triad

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



146.7090, 102.3780, 16.8580



120.0580, -87.2860, -59.1100



135.0490, -88.8120, 12.6280

Complementary

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



146.7090, 102.3780, 16.8580



170.2910, -102.3780, -16.8580

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



146.7090, 102.3780, 16.8580



129.0980, -109.9850, -38.6970

Square

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



146.7090, 102.3780, 16.8580



130.2090, -19.1080, -61.2200



134.9920, -129.3370, -18.3690



158.4300, 3.8870, 56.2310

Rectangle

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



146.7090, 102.3780, 16.8580



143.0220, 62.5460, -43.2300



134.9920, -129.3370, -18.3690



122.4030, -125.5800, -3.8520

Sweetspot

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



146.7090, 102.3780, 16.8580



221.8590, 31.3140, 5.1860



136.5790, 67.5200, 86.9440



107.4600, 19.2560, 3.4480



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.



146.7090, 102.3780, 16.8580



124.6530, 123.1470, 20.4190



203.0610, 75.9780, -33.3500



120.6480, 6.9230, 1.1870



83.5240, 101.4610, 16.9570



27.9410, 34.0190, 5.7230

Inverse Universe

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



170.2910, -102.3780, -16.8580



153.3470, -123.1470, -20.4190



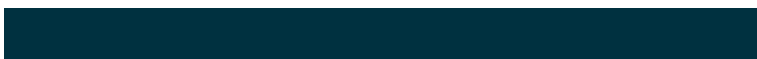
114.5260, -76.2530, 32.8270



121.7650, -6.6480, -0.6640



107.4760, -101.4610, -16.9570



36.0590, -34.0190, -5.7230

Previews

White Background



This preview shows how the YIQ color 146.7090, 102.3780, 16.8580 looks on a white background.

Color Contrast Check

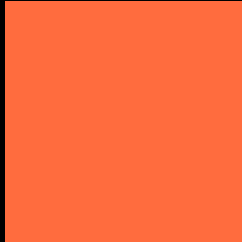
Large Text (above 18pt) WCAG AA × Fail

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 146.7090, 102.3780, 16.8580 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 146.7090, 102.3780, 16.8580

Background



This preview shows how black text looks on a background with the YIQ color 146.7090, 102.3780, 16.8580.



This preview shows how white text looks on a background with the YIQ color 146.7090, 102.3780,

16.8580.

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

146.7090, 102.3780, 16.8580

Protanopia

150.7780, 34.8950, -21.1770

Deuteranopia

149.9240, 57.9110, -19.7930



Tritanopia

149.8330, 88.0700, 33.8780

Trichromacy



Original Color

146.7090, 102.3780, 16.8580

Protanomaly

149.4980, 59.6510, -7.2690

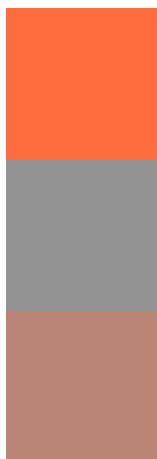
Deuteranomaly

149.0390, 74.1850, -6.3510

Tritanomaly

148.4820, 93.2520, 28.0680

Monochromacy



Original Color

146.7090, 102.3780, 16.8580

Achromatopsia

147.0000, -0.0000, 0.0000

Achromatomaly

146.9090, 37.0450, 5.9490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 146.7090, 102.3780, 16.8580 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, 108, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 62)  
}
```

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, 108, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 62) }
```

Border

The CSS property to change the border of an element to YIQ 146.7090, 102.3780, 16.8580 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, 108, 62) }
```


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

```
.border{ border-color:rgb(255, 108, 62) }
```

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

Here you see how a box with a 4 pixel rgb(255, 108, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
62) }
```

Background

The CSS property to change the background color of an element to YIQ 146.7090, 102.3780, 16.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 62) }
```

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

```
.background{ background-color: rgb(255,  
108, 62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor