

Converting Colors

YIQ(168.3770, 88.2130, 3.7410)

Have a look what the booklet for
YIQ(168.3770, 88.2130, 3.7410)
contains.

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Color

**YIQ(168.3770, 88.2130,
3.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E4D
RGB	255, 142, 77
RGB Percent	100%, 56%, 30%
CMY	0.0000, 0.4433, 0.6976
CMYK	0.00, 0.44, 0.70, 0.00
HSL	22°, 100%, 65%
HSV	22°, 70%, 100%
XYZ	52.2491, 41.1291, 12.2250
YIQ	168.3770, 88.2130, 3.7410

Conversions

Conversions Part 2

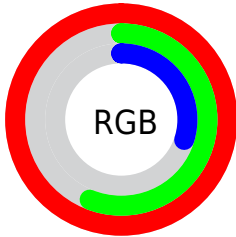
Format	Color
RYB	255, 179, 77
Decimal	16748109
CIELab	70.27, 37.75, 52.25
CIELCh	70, 64.462, 54.150
Yxy	41.1291, 0.4948, 0.3895
Android (android.graphics.Color)	4294938189 (0xFFFF8E4D)
YUV	168.3770, -45.0489, 75.9684
Hunter-Lab	64.1320, 33.1952, 33.5904

Details

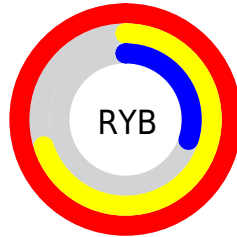
The YIQ color **168.3770, 88.2130, 3.7410** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **163.6230, -88.2130, -3.7410**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **206.4760, 56.7170, -9.1630**, and **113.5010, 81.9320, 1.9320** is the 20% darker color. If you saturate the color by 10%, you get **156.1350, 100.6380, 4.3340**, and if you desaturate by 10%, it is **180.7330, 75.4670, 3.4590**.

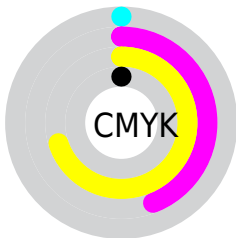
Distribution



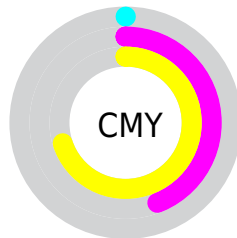
- Red (100%)
- Green (56%)
- Blue (30%)



- Red (100%)
- Yellow (70%)
- Blue (30%)



- Cyan (0%)
- Magenta (44%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (44%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.3770, 88.2130, 3.7410 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 168.3770, 88.2130, 3.7410 by changing the saturation by 10% instead.

168.3770, 88.2130,
3.7410

168.3770, 88.2130,
3.7410

255.0000, -0.0000,
-0.0000

140.9960, 84.9120,
2.9920

206.5900, 56.3960,
-8.8520

113.5010, 81.9320,
1.9320

225.9900, 40.3500,
-15.4100

86.5930, 78.6770,
0.3490

246.2050, 23.3870,
-21.8690

62.3610, 67.9470,
7.5870

249.9840, 14.1240,
-13.6840

36.9550, 57.7670,
15.8710

253.1760, 5.1360,
-4.9760

21.8270, 43.5080,
15.4760

14.8790, 28.5620,

11.0100

■ 0.0000, 0.0000,
0.0000

■ 168.3770, 88.2130,
3.7410

■ 168.3770, 88.2130,
3.7410

■ 156.1350,
100.6380, 4.3340

■ 180.7330, 75.4670,
3.4590

■ 143.7790,
113.3840, 4.6160

■ 192.9750, 63.0420,
2.8660

■ 130.9500,
126.0840, 5.7320

■ 205.9180, 50.0210,
2.0610

■ 130.8360,
126.4050, 5.4210

■ 218.1600, 37.5960,
1.4680

■ 230.5160, 24.8500,
1.1860

242.7580, 12.4250,
0.5930

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.



162.3370, 77.6630, 29.7510



168.3770, 88.2130, 3.7410



165.3730, 66.5320, -27.3560

Triad

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



168.3770, 88.2130, 3.7410



134.8250, -105.4430, -54.9390



169.3240, -34.9420, 27.5380

Complementary

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



168.3770, 88.2130, 3.7410



163.6230, -88.2130, -3.7410

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



168.3770, 88.2130, 3.7410



142.2520, -124.9780, -36.8020

Square

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



168.3770, 88.2130, 3.7410



149.1980, -37.7700, -53.4020



143.5350, -135.4800, -22.6800



176.6740, 23.5110, 53.0070

Rectangle

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



168.3770, 88.2130, 3.7410



162.3540, 41.1800, -41.4760



143.5350, -135.4800, -22.6800



161.7610, -61.5780, 14.6620

Sweetspot

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



168.3770, 88.2130, 3.7410



228.8860, 26.6840, 0.9880



143.4460, 68.8520, 73.8120



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.



168.3770, 88.2130, 3.7410



150.7720, 106.0940, 4.5740



218.8590, 64.5630, -41.2370



121.2350, 6.6480, 0.6640



98.1990, 94.5860, 3.8820



32.6370, 31.8190, 1.5390

Inverse Universe

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



163.6230, -88.2130, -3.7410



145.2280, -106.0940, -4.5740



113.1410, -64.5630, 41.2370



121.1780, -6.3730, -0.1410



93.3880, -94.8610, -4.4050



31.3630, -31.8190, -1.5390

Previews

White Background



This preview shows how the YIQ color 168.3770, 88.2130, 3.7410 looks on a white background.

Color Contrast Check

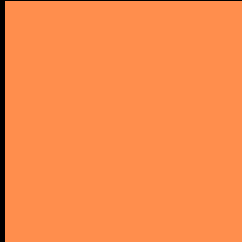
Large Text (above 18pt) WCAG AA × Fail

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 168.3770, 88.2130, 3.7410 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 168.3770, 88.2130, 3.7410

Background



This preview shows how black text looks on a background with the YIQ color 168.3770, 88.2130, 3.7410.



This preview shows how white text looks on a background with the YIQ color 168.3770, 88.2130,

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

168.3770, 88.2130, 3.7410

Protanopia

167.6920, 38.0130, -22.6190

Deuteranopia

168.4620, 59.3320, -18.0120



Tritanopia

173.3080, 67.4390, 27.8150

Trichromacy



Original Color

168.3770, 88.2130, 3.7410

Protanomaly

167.9550, 56.6260, -13.0220

Deuteranomaly

168.4790, 69.8300, -10.0260

Tritanomaly

171.6320, 74.9140, 18.9940

Monochromacy



Original Color

168.3770, 88.2130, 3.7410

Achromatopsia

168.0000, -0.0000, -0.0000

Achromatomaly

168.5230, 32.1400, 1.2280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.3770, 88.2130, 3.7410 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, 142, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 77)  
}
```

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, 142, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 77) }
```

Border

The CSS property to change the border of an element to YIQ 168.3770, 88.2130, 3.7410 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, 142, 77) }
```


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

```
.border{ border-color:rgb(255, 142, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
77) }
```

Background

The CSS property to change the background color of an element to YIQ 168.3770, 88.2130, 3.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 77) }
```

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

```
.background{ background-color: rgb(255,  
142, 77) }
```

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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