

Converting Colors

YIQ(170.1550, 88.7180, 0.0940)

Have a look what the booklet for
YIQ(170.1550, 88.7180, 0.0940)
contains.

YIQ(170.1550, 88.7180, 0.0940)	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(170.1550, 88.7180,
0.0940)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9248
RGB	255, 146, 72
RGB Percent	100%, 57%, 28%
CMY	0.0000, 0.4276, 0.7172
CMYK	0.00, 0.43, 0.72, 0.00
HSL	24°, 100%, 64%
HSV	24°, 72%, 100%
XYZ	52.6849, 42.2728, 11.5314
YIQ	170.1550, 88.7180, 0.0940

Conversions

Conversions Part 2

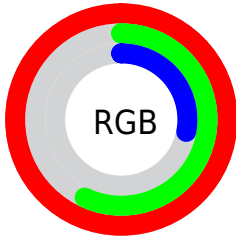
Format	Color
RYB	255, 196, 72
Decimal	16749128
CIELab	71.06, 35.47, 55.48
CIElCh	71, 65.848, 57.404
Yxy	42.2728, 0.4947, 0.3970
Android (android.graphics.Color)	4294939208 (0xFFFF9248)
YUV	170.1550, -48.3904, 74.4091
Hunter-Lab	65.0176, 30.8611, 34.9967

Details

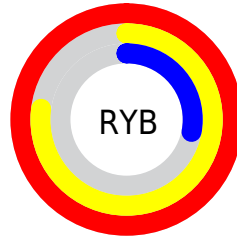
The YIQ color **170.1550, 88.7180, 0.0940** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **156.8450, -88.7180, -0.0940**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **208.3680, 56.9010, -12.4990**, and **114.9370, 83.4000, -2.6480** is the 20% darker color. If you saturate the color by 10%, you get **158.5000, 100.8680, 0.1640**, and if you desaturate by 10%, it is **181.9240, 76.2470, 0.3350**.

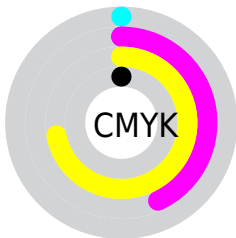
Distribution



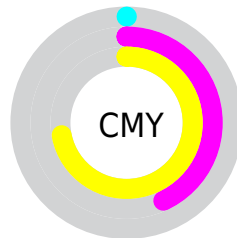
- Red (100%)
- Green (57%)
- Blue (28%)



- Red (100%)
- Yellow (77%)
- Blue (28%)



- Cyan (0%)
- Magenta (43%)
- Yellow (72%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 170.1550, 88.7180, 0.0940 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 170.1550, 88.7180, 0.0940 by changing the saturation by 10% instead.

170.1550, 88.7180,
0.0940

170.1550, 88.7180,
0.0940

255.0000, -0.0000,
-0.0000

142.7740, 85.4170,
-0.6550

208.3680, 56.9010,
-12.4990

115.0510, 83.0790,
-2.3370

227.8820, 40.5340,
-18.7460

88.9410, 77.5770,
-1.7430

246.2220, 24.7170,
-23.9470

65.2960, 66.5720,
4.9720

249.4140, 15.7290,
-15.2390

41.6510, 55.5670,
11.6870

252.7200, 6.4200,
-6.2200

21.8270, 43.5080,
15.4760

14.4660, 28.2870,

10.4870

■ 0.0000, 0.0000,
0.0000

■ 170.1550, 88.7180,
0.0940

■ 170.1550, 88.7180,
0.0940

■ 158.5000,
100.8680, 0.1640

■ 181.9240, 76.2470,
0.3350

■ 146.7310,
113.3390, -0.0770

■ 193.5790, 64.0970,
0.2650

■ 136.7060,
123.6550, 0.1910

■ 205.9350, 51.3510,
-0.0170

■ 217.5900, 39.2010,
-0.0870

■ 229.3590, 26.7300,
0.1540

241.0140, 14.5800,
0.0840

252.7830, 2.1090,
0.3250

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.



162.9410, 78.7180, 27.1500



170.1550, 88.7180, 0.0940



166.7810, 65.2030, -30.8050

Triad

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



170.1550, 88.7180, 0.0940



137.6120, -109.1570, -53.7090



172.3250, -27.5150, 30.6050

Complementary

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



170.1550, 88.7180, 0.0940



156.8450, -88.7180, -0.0940

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



170.1550, 88.7180, 0.0940



144.4520, -128.4170, -35.0490

Square

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



170.1550, 88.7180, 0.0940



147.4570, -48.8650, -56.0730



144.1220, -135.7550, -23.2030



178.2620, 30.6630, 55.5510

Rectangle

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



170.1550, 88.7180, 0.0940



163.6200, 37.3750, -44.1050



144.1220, -135.7550, -23.2030



165.6590, -52.3630, 18.3650

Sweetspot

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



170.1550, 88.7180, 0.0940



229.2450, 27.0510, -0.1570



139.2570, 73.7580, 73.0060



112.3840, 16.4140, -0.1140



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.



170.1550, 88.7180, 0.0940



153.1370, 106.3240, 0.4040



223.5720, 63.6930, -47.4990



121.8220, 6.3730, 0.1410



102.3080, 92.6610, 0.2210



34.3980, 30.9940, -0.0300

Inverse Universe

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



156.8450, -88.7180, -0.0940



137.2760, -106.0490, 0.1190



103.4280, -63.6930, 47.4990



120.5910, -6.0980, 0.3820



88.6920, -92.6610, -0.2210



29.6020, -30.9940, 0.0300

Previews

White Background



This preview shows how the YIQ color 170.1550, 88.7180, 0.0940 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 170.1550, 88.7180, 0.0940 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 170.1550, 88.7180, 0.0940

Background



This preview shows how black text looks on a background with the YIQ color 170.1550, 88.7180, 0.0940.



This preview shows how white text looks on a background with the YIQ color 170.1550, 88.7180,

0.0940.

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

170.1550, 88.7180, 0.0940

Protanopia

169.6660, 40.9020, -25.4180

Deuteranopia

169.9630, 62.1750, -19.9770



Tritanopia

175.4110, 65.6510, 27.1790

Trichromacy



Original Color

170.1550, 88.7180, 0.0940

Protanomaly

169.7440, 58.5980, -15.7220

Deuteranomaly

170.2680, 71.8020, -12.7260

Tritanomaly

173.3930, 74.0890, 17.4250

Monochromacy



Original Color

170.1550, 88.7180, 0.0940

Achromatopsia

170.0000, -0.0000, 0.0000

Achromatomaly

169.8820, 32.5070, 0.0830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 170.1550, 88.7180, 0.0940 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, 146, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 72)  
}
```

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, 146, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 72) }
```

Border

The CSS property to change the border of an element to YIQ 170.1550, 88.7180, 0.0940 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, 146, 72) }
```


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

```
.border{ border-color:rgb(255, 146, 72) }
```

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

Here you see how a box with a 4 pixel rgb(255, 146, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
72) }
```

Background

The CSS property to change the background color of an element to YIQ 170.1550, 88.7180, 0.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 72) }
```

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

```
.background{ background-color: rgb(255,  
146, 72) }
```

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