

Converting Colors

YIQ(117.7400, 118.2880,
14.8640)

Have a look what the booklet for
YIQ(117.7400, 118.2880, 14.8640)
contains.

YIQ(117.7400, 118.2880, 14.8640)	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(117.7400, 118.2880,
14.8640)**

Conversions

Conversions Part 1

Format	Color
Hex	F04C0C
RGB	240, 76, 12
RGB Percent	94%, 30%, 5%
CMY	0.0585, 0.7022, 0.9524
CMYK	0.00, 0.68, 0.95, 0.06
HSL	17°, 90%, 49%
HSV	17°, 95%, 94%
XYZ	38.6124, 23.7271, 2.8968
YIQ	117.7400, 118.2880, 14.8640

Conversions

Conversions Part 2

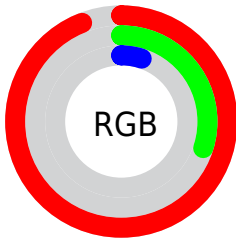
Format	Color
R _Y B	240, 101, 12
Decimal	15748108
CIE Lab	55.81, 60.77, 64.11
CIE LCh	56, 88.335, 46.533
Yxy	23.7271, 0.5919, 0.3637
Android (android.graphics.Color)	4293938188 (0xFFFF04C0C)
YUV	117.7400, -52.1298, 107.2220
Hunter-Lab	48.7105, 56.2519, 30.5714

Details

The YIQ color **117.7400, 118.2880, 14.8640** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark saturated red. A complement of this color would be **134.2600, -118.2880, -14.8640**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **162.1820, 93.2560, 5.9600**, and **52.3250, 104.3000, 37.1000** is the 20% darker color. If you saturate the color by 10%, you get **111.0890, 124.6150, 15.8390**, and if you desaturate by 10%, it is **130.4550, 105.9090, 13.4370**.

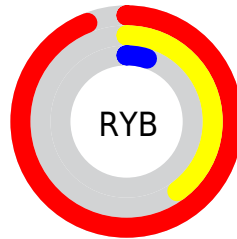
Distribution



Red (94%)

Green (30%)

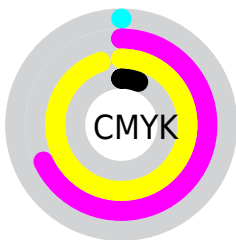
Blue (5%)



Red (94%)

Yellow (40%)

Blue (5%)

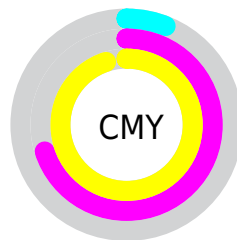


Cyan (0%)

Magenta (68%)

Yellow (95%)

Black (6%)



Cyan (6%)


Magenta (70%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 117.7400, 118.2880, 14.8640 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 117.7400, 118.2880, 14.8640 by changing the saturation by 10% instead.


 117.7400,
118.2880, 14.8640


 117.7400,
118.2880, 14.8640


255.0000, -0.0000,
-0.0000


 88.3080, 110.9970,
20.3490


 162.1820, 93.2560,
5.9600


 52.3250, 104.3000,
37.1000


 181.5820, 77.2100,
-0.5980


 42.7570, 85.2280,
30.3160


 201.5690, 60.8890,
-7.6790

 33.1890, 66.1560,
23.5320

 221.6700, 44.2470,
-14.4490

 24.3330, 47.9550,
17.4830

 242.3580, 27.3300,
-21.7420

 15.7760, 30.3500,
11.6460

 249.0720, 16.6920,

 0.0000, 0.0000,

-16.1720

0.0000

252.3780, 7.3830,
-7.1530

117.7400,
118.2880, 14.8640

117.7400,
118.2880, 14.8640

111.0890,
124.6150, 15.8390

130.4550,
105.9090, 13.4370

143.7570, 93.2550,
11.4870

156.4720, 80.8760,
10.0600

169.1870, 68.4970,
8.6330

181.9020, 56.1180,
7.2060

■ 195.2040, 43.4640,
5.2560

■ 207.9190, 31.0850,
3.8290

■ 220.6340, 18.7060,
2.4020

■ 233.9360, 6.0520,
0.4520

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1890, 121.1640, 83.9160



117.7400, 118.2880, 14.8640



126.3750, 81.3860, -21.2220

Triad

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



117.7400, 118.2880, 14.8640



107.0980, -75.5950, -56.2270



104.7930, -117.3300, 11.8380

Complementary

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



117.7400, 118.2880, 14.8640



134.2600, -118.2880, -14.8640

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.



118.8810, -123.9300, -0.7140



117.7400, 118.2880, 14.8640



117.5060, -102.1460, -32.0820

Square

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



117.7400, 118.2880, 14.8640



92.1590, -43.1750, -82.1110



124.1980, -123.7450, -9.5770



134.1570, 9.5700, 68.8820

Rectangle

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



117.7400, 118.2880, 14.8640



124.0840, 50.8080, -39.7520



124.1980, -123.7450, -9.5770



110.6630, -120.0800, 6.6080

Sweetspot

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



117.7400, 118.2880, 14.8640



216.9690, 36.8160, 4.5920



99.2100, 82.2810, 100.2730



104.2000, 22.9240, 3.0520



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.



117.7400, 118.2880, 14.8640



117.9220, 132.4550, 16.9270



182.8970, 87.7630, -43.1890



113.3490, 6.3270, 0.9750



84.9530, 95.6390, 12.3350



26.1360, 28.9760, 3.5040

Inverse Universe

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



134.2600, -118.2880, -14.8640



137.0780, -132.4550, -16.9270



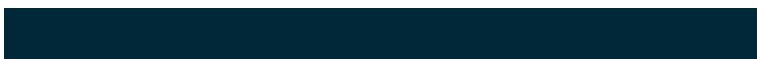
69.1030, -87.7630, 43.1890



114.0640, -6.0520, -0.4520



98.4600, -95.3640, -11.8120



29.8640, -28.9760, -3.5040

Previews

White Background



This preview shows how the YIQ color 117.7400, 118.2880, 14.8640 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 117.7400, 118.2880, 14.8640 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 117.7400, 118.2880, 14.8640

Background



This preview shows how black text looks on a background with the YIQ color 117.7400, 118.2880, 14.8640.



This preview shows how white text looks on a background with the YIQ color 117.7400, 118.2880,

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

117.7400, 118.2880, 14.8640

Protanopia

127.7000, 43.5620, -29.5740

Deuteranopia

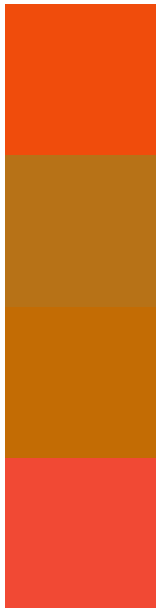
125.0800, 65.7990, -30.5930



Tritanopia

122.1720, 100.3570, 36.9730

Trichromacy



Original Color

117.7400, 118.2880, 14.8640

Protanomaly

124.2570, 70.3350, -13.6730

Deuteranomaly

122.1570, 85.2360, -13.9000

Tritanomaly

120.8380, 106.8690, 29.0850

Monochromacy



Original Color

117.7400, 118.2880, 14.8640

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.0190, 42.5470, 5.3550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.7400, 118.2880, 14.8640 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(240, 76, 12)` looks like.

```
.text, #text, p{  
    color:rgb(240, 76, 12)  
}
```

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(240, 76, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 76, 12) }
```

Border

The CSS property to change the border of an element to YIQ 117.7400, 118.2880, 14.8640 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(240, 76, 12) }
```


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

```
.border{ border-color:rgb(240, 76, 12) }
```

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

Here you see how a box with a 4 pixel rgb(240, 76, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 76, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 76, 12);  
box-shadow:4px 4px 4px 4px rgb(240, 76,  
12) }
```

Background

The CSS property to change the background color of an element to YIQ 117.7400, 118.2880, 14.8640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 76, 12) }
```

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

```
.background{ background-color: rgb(240, 76,  
12) }
```

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