

# Converting Colors

YIQ(158.3700, 106.1450,  
-23.8950)

Have a look what the booklet for  
YIQ(158.3700, 106.1450, -23.8950)  
contains.

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# Color

**YIQ(158.3700, 106.1450,  
-23.8950)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                 |
|---------------|------------------------------|
| Hex           | F59100                       |
| RGB           | 245, 145, 0                  |
| RGB Percent   | 96%, 57%, 0%                 |
| CMY           | 0.0391, 0.4315, 0.9994       |
| CMYK          | 0.00, 0.41, 1.00, 0.04       |
| HSL           | 35°, 100%, 48%               |
| HSV           | 35°, 100%, 96%               |
| XYZ           | 47.7890, 39.6574, 5.1398     |
| YIQ           | 158.3700, 106.1450, -23.8950 |

# Conversions

## Conversions Part 2

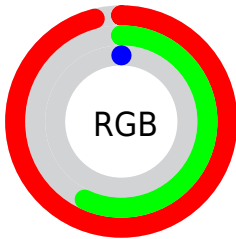
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 169, 245, 0                    |
| Decimal                             | 16093440                       |
| CIE Lab                             | 69.22, 30.24, 74.66            |
| CIE LCh                             | 69, 80.550, 67.950             |
| Yxy                                 | 39.6574, 0.5162,<br>0.4283     |
| Android<br>(android.graphics.Color) | 4294283520<br>(0xFFFF59100)    |
| YUV                                 | 158.3700, -78.0764,<br>75.9745 |
| Hunter-Lab                          | 62.9741, 25.2531,<br>39.2428   |

# Details

The YIQ color **158.3700, 106.1450, -23.8950** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **86.6300, -106.1450, 23.8950**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **201.6080, 73.1800, -26.6920**, and **109.5960, 82.6220, -10.5780** is the 20% darker color. If you saturate the color by 10%, you get **158.3700, 106.1450, -23.8950**, and if you desaturate by 10%, it is **167.0900, 95.3700, -21.3500**.

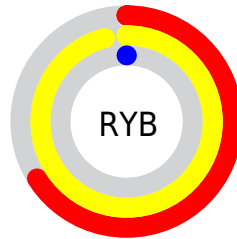
# Distribution



Red (96%)

Green (57%)

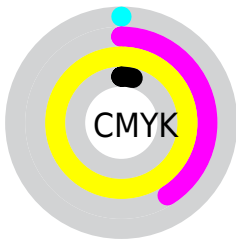
Blue (0%)



Red (66%)

Yellow (96%)

Blue (0%)

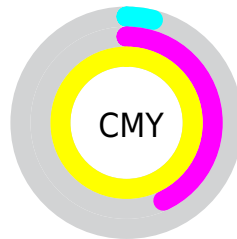


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (43%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 158.3700, 106.1450, -23.8950 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 158.3700, 106.1450, -23.8950 by changing the saturation by 10% instead.



158.3700,  
106.1450, -23.8950

158.3700,  
106.1450, -23.8950

255.0000, -0.0000,  
-0.0000

133.5400, 94.2230,  
-17.0810

201.6080, 73.1800,  
-26.6920

109.5960, 82.6220,  
-10.5780

221.2360, 56.4920,  
-32.6280

85.6520, 71.0210,  
-4.0750

240.8640, 39.8040,  
-38.5640

63.1810, 59.4660,  
1.5940

244.0560, 30.8160,  
-29.8560

40.1230, 48.1860,  
7.7860

247.3620, 21.5070,  
-20.8370


18.8370, 37.5480,  
13.3560


250.5540, 12.5190,

12.0740, 23.5190,


-12.1290


8.7910


 253.9740, 2.8890,  
-2.7990


 0.0000, 0.0000,  
0.0000


 158.3700,  
106.1450, -23.8950

 167.0900, 95.3700,  
-21.3500

 175.6960, 84.9160,  
-19.1160

 184.4160, 74.1410,  
-16.5710

 193.0220, 63.6870,  
-14.3370

 201.7420, 52.9120,  
-11.7920

■ 210.3480, 42.4580,  
-9.5580

■ 219.0680, 31.6830,  
-7.0130

■ 227.6740, 21.2290,  
-4.7790

■ 236.3940, 10.4540,  
-2.2340

# Harmonies

## Analogous

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



150.8640, 94.8120, 21.8200



158.3700, 106.1450, -23.8950



156.2790, 62.9600, -50.7360

# Triad

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



158.3700, 106.1450, -23.8950



139.8920, -115.5770, -47.4890



169.5550, -4.1350, 47.4250

# Complementary

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



158.3700, 106.1450, -23.8950



86.6300, -106.1450, 23.8950

# 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



158.3700, 106.1450, -23.8950



146.4700, -136.8550, -25.2950

# Square

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



158.3700, 106.1450, -23.8950



129.4670, -90.3560, -69.5560



141.1870, -134.3800, -20.5880



162.9430, 51.1550, 69.6430



# Rectangle

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



158.3700, 106.1450, -23.8950



148.9600, 29.5850, -68.1350



141.1870, -134.3800, -20.5880



164.3400, -31.8710, 32.4570

# Sweetspot

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



158.3700, 106.1450, -23.8950



228.1390, 32.9210, -7.4230



84.8830, 113.2780, 83.6620



111.6030, 19.9910, -4.3690



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.



158.3700, 106.1450, -23.8950



164.8820, 110.4550, -24.9130



211.0900, 66.7250, -80.4350



117.6970, 5.2270, -1.1170



120.1840, 80.6060, -18.0980



38.1860, 25.5390, -5.7970



# Inverse Universe

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



86.6300, -106.1450, 23.8950



90.1180, -110.4550, 24.9130



34.2090, -66.1290, 80.6470



114.3030, -5.2270, 1.1170



65.8160, -80.6060, 18.0980



20.8140, -25.5390, 5.7970



# Previews

## White Background



This preview shows how the YIQ color 158.3700, 106.1450, -23.8950 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 158.3700, 106.1450, -23.8950 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 158.3700, 106.1450, -23.8950 Background



This preview shows how black text looks on a background with the YIQ color 158.3700, 106.1450, -23.8950.



This preview shows how white text looks on a background with the YIQ color 158.3700, 106.1450, -23.8950.

-23.8950.

# 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

158.3700, 106.1450, -23.8950

### Protanopia

159.0650, 60.9870, -42.5090

### Deuteranopia

158.4930, 83.2690, -38.8350



## Tritanopia

170.5250, 65.3300, 27.4900

# Trichromacy



## Original Color

158.3700, 106.1450, -23.8950

## Protanomaly

158.9640, 77.6290, -35.7390

## Deuteranomaly

158.2600, 91.4750, -33.3650

## Tritanomaly

166.2330, 80.0510, 8.4910

# Monochromacy



## Original Color

158.3700, 106.1450, -23.8950

## Achromatopsia

158.0000, -0.0000, 0.0000

## Achromatomaly

158.1350, 38.7440, -8.3280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 158.3700, 106.1450, -23.8950 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(245, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 145, 0)  
}
```

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(245, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 145, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 158.3700, 106.1450, -23.8950 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(245, 145, 0) }
```



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

```
.border{ border-color:rgb(245, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 145,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 158.3700, 106.1450, -23.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 145, 0) }
```

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

```
.background{ background-color: rgb(245,  
145, 0) }
```

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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