

# Converting Colors

YIQ(172.8630, 59.8810,  
-11.4390)

Have a look what the booklet for  
YIQ(172.8630, 59.8810, -11.4390)  
contains.

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# Color

**YIQ(172.8630, 59.8810,  
-11.4390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFA457
RGB	223, 164, 87
RGB Percent	87%, 64%, 34%
CMY	0.1254, 0.3569, 0.6585
CMYK	0.00, 0.26, 0.61, 0.13
HSL	34°, 68%, 61%
HSV	34°, 61%, 87%
XYZ	45.4331, 42.9230, 14.9235
YIQ	172.8630, 59.8810, -11.4390

# Conversions

## Conversions Part 2

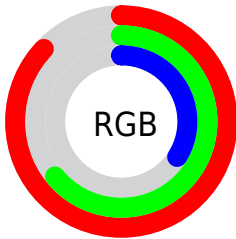
Format	Color
<a href="#">RYB</a>	<a href="#">191, 223, 87</a>
Decimal	<a href="#">14656599</a>
CIELab	<a href="#">71.50, 13.78, 47.75</a>
CIELCh	<a href="#">72, 49.697, 73.905</a>
Yxy	<a href="#">42.9230, 0.4399, 0.4156</a>
Android (android.graphics.Color)	<a href="#">4292846679 (0xFFDFA457)</a>
YUV	<a href="#">172.8630, -42.3305, 43.9701</a>
Hunter-Lab	<a href="#">65.5157, 9.1317, 32.3556</a>

# Details

The YIQ color **172.8630, 59.8810, -11.4390** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **137.1370, -59.8810, 11.4390**, and the grayscale version is **173.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **220.6440, 47.1360, -17.2480**, and **118.9980, 55.0670, -12.3010** is the 20% darker color. If you saturate the color by 10%, you get **164.4850, 69.6930, -13.0510**, and if you desaturate by 10%, it is **181.2410, 50.0690, -9.8270**.

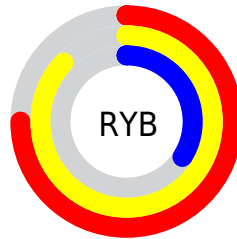
# Distribution



Red (87%)

Green (64%)

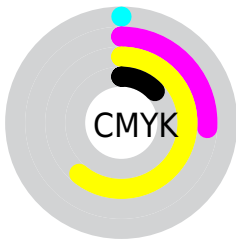
Blue (34%)



Red (75%)

Yellow (87%)

Blue (34%)

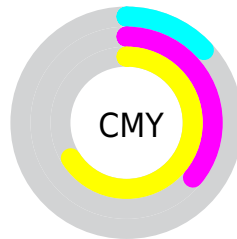


Cyan (0%)

Magenta (26%)

Yellow (61%)

Black (13%)



Cyan (13%)

Magenta (36%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 172.8630, 59.8810, -11.4390 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 172.8630, 59.8810, -11.4390 by changing the saturation by 10% instead.



■ 172.8630, 59.8810,  
-11.4390

■ 172.8630, 59.8810,  
-11.4390

■ 255.0000, -0.0000,  
-0.0000

■ 145.7810, 57.1760,  
-11.9760

■ 220.6440, 47.1360,  
-17.2480

■ 118.9980, 55.0670,  
-12.3010

■ 240.1580, 30.7690,  
-23.4950

■ 93.1180, 54.6090,  
-15.0150

■ 248.0460, 19.5810,  
-18.9710

■ 70.4470, 46.4930,  
-11.0990

■ 251.2380, 10.5930,  
-10.2630

■ 48.5740, 36.1300,  
-5.0060

■ 254.5440, 1.2840,  
-1.2440

■ 29.0600, 26.1340,  
-0.0580

■ 9.2690, 18.4760,

6.5720

■ 0.0000, 0.0000,  
0.0000

■ 172.8630, 59.8810,  
-11.4390

■ 172.8630, 59.8810,  
-11.4390

■ 164.4850, 69.6930,  
-13.0510

■ 181.2410, 50.0690,  
-9.8270

■ 156.5800, 79.5510,  
-15.4970

■ 189.1460, 40.2110,  
-7.3810

■ 148.2020, 89.3630,  
-17.1090

■ 197.5240, 30.3990,  
-5.7690

■ 140.6390, 98.2580,  
-18.6220

■ 205.9020, 20.5870,  
-4.1570

■ 213.8070, 10.7290,  
-1.7110

■ 222.1850, 0.9170,  
-0.0990

■ 230.5630, -8.8950,  
1.5130

■ 237.2140,  
-15.2220, 0.5380

■ 243.0840,  
-17.9720, -4.6920

# Harmonies

## Analogous

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



174.9210, 72.3020, 11.2620



172.8630, 59.8810, -11.4390



169.0670, 32.2830, -28.9090

# Triad

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



172.8630, 59.8810, -11.4390



138.4560, -117.0450, -42.9090



180.0530, 2.7900, 37.5580

# Complementary

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



172.8630, 59.8810, -11.4390



137.1370, -59.8810, 11.4390

# 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.



172.1820, -46.5860, 18.2940



172.8630, 59.8810, -11.4390



141.4830, -129.7020, -28.2780

# Square

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



172.8630, 59.8810, -11.4390



150.7500, -65.3270, -44.0710



138.8390, -133.2800, -18.4960



179.5340, 43.9160, 41.1320



# Rectangle

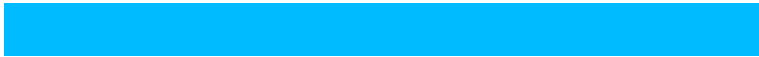
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



172.8630, 59.8810, -11.4390



165.3780, 6.2420, -36.0460



138.8390, -133.2800, -18.4960



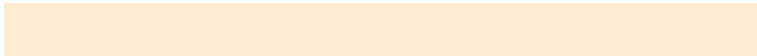
179.0340, -13.3940, 33.5020

# Sweetspot

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



172.8630, 59.8810, -11.4390



238.0160, 20.2660, -3.8460



134.6180, 61.4750, 47.8030



117.0630, 12.8840, -2.2200



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.



172.8630, 59.8810, -11.4390



186.2490, 81.9810, -15.4830



205.4030, 39.4840, -43.7800



107.8110, 4.9060, -0.8060



111.3240, 77.3960, -14.9880



30.2010, 21.1830, -3.9450



# Inverse Universe

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



137.1370, -59.8810, 11.4390



137.7510, -81.9810, 15.4830



104.5970, -39.4840, 43.7800



105.1890, -4.9060, 0.8060



64.6760, -77.3960, 14.9880

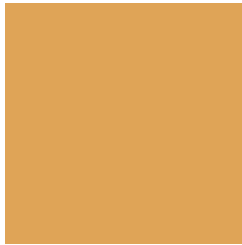


17.7990, -21.1830, 3.9450



# Previews

## White Background



This preview shows how the YIQ color 172.8630, 59.8810, -11.4390 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 172.8630, 59.8810, -11.4390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

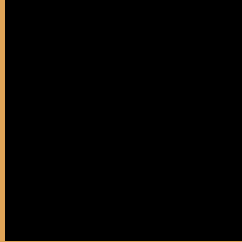
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 172.8630, 59.8810, -11.4390

## Background



This preview shows how black text looks on a background with the YIQ color 172.8630, 59.8810, -11.4390.



This preview shows how white text looks on a background with the YIQ color 172.8630, 59.8810, -11.4390.

-11.4390.

# 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

172.8630, 59.8810, -11.4390

### Protanopia

171.6920, 38.0130, -22.6190

### Deuteranopia

172.4170, 55.2050, -14.8030



## Tritanopia

178.4940, 40.2520, 19.4200

# Trichromacy



## Original Color

172.8630, 59.8810, -11.4390

## Protanomaly

172.5190, 45.9900, -18.5060

## Deuteranomaly

172.7270, 57.2680, -13.6440

## Tritanomaly

176.3510, 47.5440, 8.4080

# Monochromacy



## Original Color

172.8630, 59.8810, -11.4390

## Achromatopsia

173.0000, -0.0000, 0.0000

## Achromatomaly

173.0870, 21.5040, -4.2560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 172.8630, 59.8810, -11.4390 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(223, 164, 87)` looks like.

```
.text, #text, p{  
    color:rgb(223, 164, 87)  
}
```

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(223, 164, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 164, 87) }
```

## Border

The CSS property to change the border of an element to YIQ 172.8630, 59.8810, -11.4390 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(223, 164, 87) }
```



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

```
.border{ border-color:rgb(223, 164, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 164, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 164, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 164, 87);  
box-shadow:4px 4px 4px 4px rgb(223, 164,  
87) }
```

# Background

The CSS property to change the background color of an element to YIQ 172.8630, 59.8810, -11.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 164, 87) }
```

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

```
.background{ background-color: rgb(223,  
164, 87) }
```

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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