

# Converting Colors

YIQ(192.8710, 82.6250,  
-27.1590)

Have a look what the booklet for  
YIQ(192.8710, 82.6250, -27.1590)  
contains.

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# Color

**YIQ(192.8710, 82.6250,  
-27.1590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBC37
RGB	255, 188, 55
RGB Percent	100%, 74%, 22%
CMY	0.0000, 0.2628, 0.7839
CMYK	0.00, 0.26, 0.78, 0.00
HSL	40°, 100%, 61%
HSV	40°, 78%, 100%
XYZ	59.9094, 57.4911, 11.5676
YIQ	192.8710, 82.6250, -27.1590

# Conversions

## Conversions Part 2

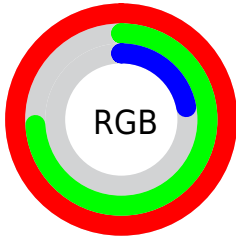
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 255, 55
Decimal	16759863
CIELab	80.46, 12.95, 71.58
CIELCh	80, 72.740, 79.747
Yxy	57.4911, 0.4645, 0.4458
Android (android.graphics.Color)	4294949943 (0xFFFFBC37)
YUV	192.8710, -67.9704, 54.4871
Hunter-Lab	75.8229, 8.3467, 44.0307

# Details

The YIQ color **192.8710, 82.6250, -27.1590** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **117.1290, -82.6250, 27.1590**, and the grayscale version is **193.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **232.2410, 48.9280, -38.7200**, and **136.9520, 77.9030, -29.6890** is the 20% darker color. If you saturate the color by 10%, you get **184.7380, 93.1250, -30.2270**, and if you desaturate by 10%, it is **201.1180, 71.8040, -23.7800**.

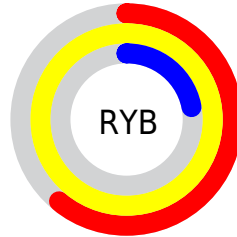
# Distribution



Red (100%)

Green (74%)

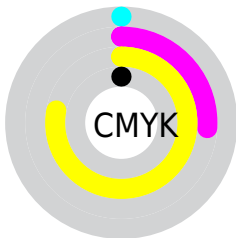
Blue (22%)



Red (61%)

Yellow (100%)

Blue (22%)

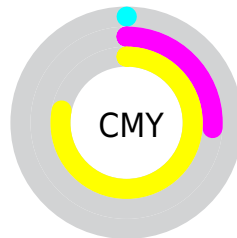


Cyan (0%)

Magenta (26%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 192.8710, 82.6250, -27.1590 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 192.8710, 82.6250, -27.1590 by changing the saturation by 10% instead.



192.8710, 82.6250,  
-27.1590

192.8710, 82.6250,  
-27.1590

255.0000, -0.0000,  
-0.0000

163.6490, 83.1300,  
-30.8060

232.2410, 48.9280,  
-38.7200

136.9520, 77.9030,  
-29.6890

241.8900, 36.9150,  
-35.7650

113.3070, 66.8980,  
-22.9740

245.0820, 27.9270,  
-27.0570

90.5480, 56.2140,  
-16.5700

248.2740, 18.9390,  
-18.3490

68.3760, 45.2550,  
-10.6890

251.5800, 9.6300,  
-9.3300

47.0900, 34.6170,  
-5.1190

26.6900, 24.3000,

0.1400

■ 8.0730, 16.0920,  
5.7240

■ 0.0000, 0.0000,  
0.0000

■ 192.8710, 82.6250,  
-27.1590

■ 192.8710, 82.6250,  
-27.1590

■ 184.7380, 93.1250,  
-30.2270

■ 201.1180, 71.8040,  
-23.7800

■ 177.0780,  
103.6710, -34.1290

■ 208.6640, 61.5790,  
-20.1890

■ 175.4480,  
105.5050, -34.3270

■ 216.9110, 50.7580,  
-16.8100

■ 224.4570, 40.5330,  
-13.2190

■ 232.7040, 29.7120,  
-9.8400

■ 240.2500, 19.4870,  
-6.2490

■ 248.4970, 8.6660,  
-2.8700

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.



181.8100, 76.5680, 0.0240



192.8710, 82.6250, -27.1590



187.2900, 38.0640, -51.0880

# Triad

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



192.8710, 82.6250, -27.1590



164.0000, -142.1240, -45.4520



200.4090, 25.5750, 48.6390

# Complementary

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



192.8710, 82.6250, -27.1590



117.1290, -82.6250, 27.1590

# 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.



188.4290, -40.2120, 12.9080



192.8710, 82.6250, -27.1590



162.3190, -144.2800, -39.4160

# Square

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



192.8710, 82.6250, -27.1590



155.3190, -119.0580, -67.0100



154.6880, -140.7050, -32.6170



183.6020, 41.2090, 51.6490



# Rectangle

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



192.8710, 82.6250, -27.1590



181.3310, -4.7120, -57.8000



154.6880, -140.7050, -32.6170



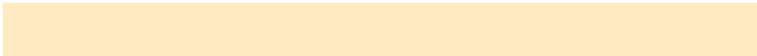
199.4020, 9.1170, 38.5330

# Sweetspot

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



192.8710, 82.6250, -27.1590



235.7190, 25.3560, -7.9880



122.7800, 96.7300, 64.1700



116.1510, 15.4520, -4.7080



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.



192.8710, 82.6250, -27.1590



180.6800, 99.0400, -32.8000



223.2300, 46.3200, -68.5600



123.5830, 5.5480, -1.4280



131.6580, 78.9110, -25.9290



43.7900, 26.5940, -8.3980



# Inverse Universe

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



117.1290, -82.6250, 27.1590



89.9070, -99.3150, 32.2770



86.7700, -46.3200, 68.5600



118.8300, -5.2730, 1.9510



59.3420, -78.9110, 25.9290



19.6230, -26.3190, 8.9210



# Previews

## White Background



This preview shows how the YIQ color 192.8710, 82.6250, -27.1590 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 192.8710, 82.6250, -27.1590 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 192.8710, 82.6250, -27.1590

## Background



This preview shows how black text looks on a background with the YIQ color 192.8710, 82.6250, -27.1590.



This preview shows how white text looks on a background with the YIQ color 192.8710, 82.6250, -27.1590.

-27.1590.

# 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

192.8710, 82.6250, -27.1590

### Protanopia

190.9880, 59.8860, -39.0740

### Deuteranopia

192.7350, 80.0120, -29.3640



## Tritanopia

203.0920, 41.4440, 19.8440

# Trichromacy



## Original Color

192.8710, 82.6250, -27.1590

## Protanomaly

191.8150, 67.8630, -34.9610

## Deuteranomaly

192.4470, 80.8830, -28.6290

## Tritanomaly

199.2670, 56.3480, 3.0360

# Monochromacy



## Original Color

192.8710, 82.6250, -27.1590

## Achromatopsia

193.0000, -0.0000, -0.0000

## Achromatomaly

193.0030, 30.3080, -9.6280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 192.8710, 82.6250, -27.1590 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, 188, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 55)  
}
```

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, 188, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 55) }
```

## Border

The CSS property to change the border of an element to YIQ 192.8710, 82.6250, -27.1590 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, 188, 55) }
```



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

```
.border{ border-color:rgb(255, 188, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
55) }
```

# Background

The CSS property to change the background color of an element to YIQ 192.8710, 82.6250, -27.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 55) }
```

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

```
.background{ background-color: rgb(255,  
188, 55) }
```

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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