

Converting Colors

YIQ(198.9010, 64.7450,
-33.5190)

Have a look what the booklet for
YIQ(198.9010, 64.7450, -33.5190)
contains.

YIQ(198.9010, 64.7450, -33.5190)	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(198.9010, 64.7450,
-33.5190)**

Conversions

Conversions Part 1

Format	Color
Hex	F0CB46
RGB	240, 203, 70
RGB Percent	94%, 80%, 27%
CMY	0.0588, 0.2040, 0.7251
CMYK	0.00, 0.15, 0.71, 0.06
HSL	47°, 85%, 61%
HSV	47°, 71%, 94%
XYZ	58.3962, 61.6732, 14.6359
YIQ	198.9010, 64.7450, -33.5190

Conversions

Conversions Part 2

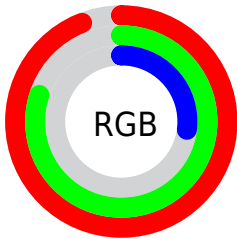
Format	Color
RYB	117, 240, 70
Decimal	15780678
CIELab	82.74, -0.54, 67.79
CIELCh	83, 67.791, 90.455
Yxy	61.6732, 0.4335, 0.4578
Android (android.graphics.Color)	4293970758 (0xFFFF0CB46)
YUV	198.9010, -63.5482, 36.0438
Hunter-Lab	78.5323, -4.6998, 43.9229

Details

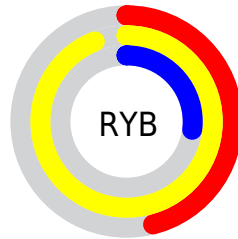
The YIQ color **198.9010, 64.7450, -33.5190** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **111.0990, -64.7450, 33.5190**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **240.2940, 41.4090, -40.1190**, and **141.2830, 66.3050, -39.7670** is the 20% darker color. If you saturate the color by 10%, you get **193.2300, 73.8240, -38.3680**, and if you desaturate by 10%, it is **204.5720, 55.6660, -28.6700**.

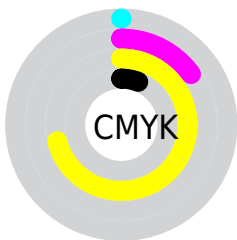
Distribution



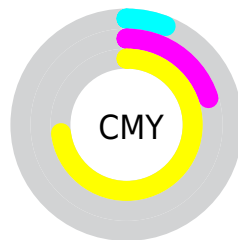
- Red (94%)
- Green (80%)
- Blue (27%)



- Red (46%)
- Yellow (94%)
- Blue (27%)



- Cyan (0%)
- Magenta (15%)
- Yellow (71%)
- Black (6%)



- Cyan (6%)
- Magenta (20%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 198.9010, 64.7450, -33.5190 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 198.9010, 64.7450, -33.5190 by changing the saturation by 10% instead.

198.9010, 64.7450,
-33.5190

198.9010, 64.7450,
-33.5190

255.0000, -0.0000,
-0.0000

170.6620, 63.9200,
-35.0880

240.2940, 41.4090,
-40.1190

141.2830, 66.3050,
-39.7670

243.3720, 32.7420,
-31.7220

117.9370, 55.8960,
-32.8400

246.6780, 23.4330,
-22.7030

94.5910, 45.4870,
-25.9130

249.8700, 14.4450,
-13.9950

72.7180, 35.1240,
-19.8200

253.2900, 4.8150,
-4.6650

51.1440, 25.3570,
-13.5150

31.3420, 16.2320,

-7.8320

■ 10.0560, 5.5940,
-2.2620

■ 0.0000, 0.0000,
0.0000

■ 198.9010, 64.7450,
-33.5190

■ 198.9010, 64.7450,
-33.5190

■ 193.2300, 73.8240,
-38.3680

■ 204.5720, 55.6660,
-28.6700

■ 187.5590, 82.9030,
-43.2170

■ 210.2430, 46.5870,
-23.8210

■ 182.1160, 91.3400,
-47.4440

■ 216.5010, 37.2330,
-19.4950

■ 222.1720, 28.1540,
-14.6460

■ 227.8430, 19.0750,
-9.7970

■ 233.5140, 9.9960,
-4.9480

■ 239.7720, 0.6420,
-0.6220

■ 244.6450, -6.1900,
2.0500

■ 247.5800, -7.5650,
-0.5650

Harmonies

Analogous

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



192.1480, 72.2600, -10.0120



198.9010, 64.7450, -33.5190



192.4970, 15.5520, -50.5920

Triad

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



198.9010, 64.7450, -33.5190



167.6020, -146.7550, -44.1230



200.9960, 25.3000, 48.1160

Complementary

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



198.9010, 64.7450, -33.5190



111.0990, -64.7450, 33.5190

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.



202.5040, -9.2660, 24.7660



198.9010, 64.7450, -33.5190



163.4930, -144.8300, -40.4620

Square

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



198.9010, 64.7450, -33.5190



162.4890, -130.9800, -60.1960



171.7420, -105.2660, -19.5860



187.4200, 44.2370, 40.8210

Rectangle

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



198.9010, 64.7450, -33.5190



184.6950, -29.1040, -56.2720



171.7420, -105.2660, -19.5860



205.6920, 23.1000, 43.9320

Sweetspot

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



198.9010, 64.7450, -33.5190



241.8000, 20.6340, -10.5180



125.3900, 88.4800, 48.4800



120.2430, 12.1970, -6.2910



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.



198.9010, 64.7450, -33.5190



202.6730, 82.5820, -42.9060



207.1650, 27.7500, -62.4100



116.8710, 4.6770, -2.1630



139.5440, 70.0640, -36.3040



42.5720, 21.2760, -11.1400

Inverse Universe

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



111.0990, -64.7450, 33.5190



90.3270, -82.5820, 42.9060



102.8350, -27.7500, 62.4100



110.5420, -4.4020, 2.6860



44.4560, -70.0640, 36.3040



13.4280, -21.2760, 11.1400

Previews

White Background



This preview shows how the YIQ color 198.9010, 64.7450, -33.5190 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 198.9010, 64.7450, -33.5190 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 198.9010, 64.7450, -33.5190

Background



This preview shows how black text looks on a background with the YIQ color 198.9010, 64.7450, -33.5190.



This preview shows how white text looks on a background with the YIQ color 198.9010, 64.7450,

-33.5190.

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

198.9010, 64.7450, -33.5190

Protanopia

197.7860, 57.6390, -36.8970

Deuteranopia

201.2150, 70.1530, -21.3910



Tritanopia

209.6500, 30.9450, 17.3850

Trichromacy



Original Color

198.9010, 64.7450, -33.5190

Protanomaly

198.3950, 60.2980, -35.5260

Deuteranomaly

200.7970, 68.2740, -25.8860

Tritanomaly

205.8030, 42.9150, -1.3170

Monochromacy



Original Color

198.9010, 64.7450, -33.5190

Achromatopsia

199.0000, -0.0000, 0.0000

Achromatomaly

198.7140, 23.7520, -11.9600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 198.9010, 64.7450, -33.5190 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, 203, 70)` looks like.

```
.text, #text, p{  
    color:rgb(240, 203, 70)  
}
```

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, 203, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 203, 70) }
```

Border

The CSS property to change the border of an element to YIQ 198.9010, 64.7450, -33.5190 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, 203, 70) }
```


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

```
.border{ border-color:rgb(240, 203, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 203, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 203, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 203, 70);  
box-shadow:4px 4px 4px 4px rgb(240, 203,  
70) }
```

Background

The CSS property to change the background color of an element to YIQ 198.9010, 64.7450, -33.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 203, 70) }
```

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

```
.background{ background-color: rgb(240,  
203, 70) }
```

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