

# Converting Colors

YIQ(212.4190, 51.7230,  
-28.7970)

Have a look what the booklet for  
YIQ(212.4190, 51.7230, -28.7970)  
contains.

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# Color

**YIQ(212.4190, 51.7230,  
-28.7970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4D96A
RGB	244, 217, 106
RGB Percent	96%, 85%, 42%
CMY	0.0431, 0.1490, 0.5840
CMYK	0.00, 0.11, 0.57, 0.04
HSL	48°, 86%, 69%
HSV	48°, 57%, 96%
XYZ	64.7230, 69.8947, 23.7357
YIQ	212.4190, 51.7230, -28.7970

# Conversions

## Conversions Part 2

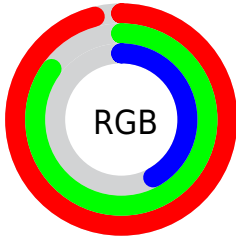
Format	Color
<a href="#">RYB</a>	<a href="#">140, 244, 106</a>
Decimal	<a href="#">16046442</a>
CIELab	<a href="#">86.95, -3.84, 57.12</a>
CIELCh	<a href="#">87, 57.253, 93.846</a>
Yxy	<a href="#">69.8947, 0.4087, 0.4414</a>
Android (android.graphics.Color)	<a href="#">4294236522</a> ( <a href="#">0xFFFF4D96A</a> )
YUV	<a href="#">212.4190, -52.4646, 27.6965</a>
Hunter-Lab	<a href="#">83.6031, -8.1159, 41.6892</a>

# Details

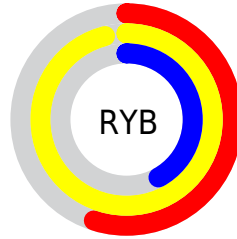
The YIQ color **212.4190, 51.7230, -28.7970** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **137.5810, -51.7230, 28.7970**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **244.1700, 30.4950, -29.5450**, and **156.4510, 48.6970, -29.0230** is the 20% darker color. If you saturate the color by 10%, you get **206.7480, 60.8020, -33.6460**, and if you desaturate by 10%, it is **218.0900, 42.6440, -23.9480**.

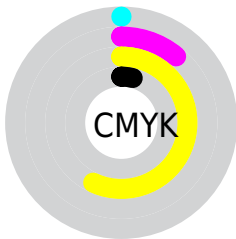
# Distribution



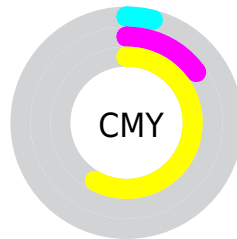
- Red (96%)
- Green (85%)
- Blue (42%)



- Red (55%)
- Yellow (96%)
- Blue (42%)



- Cyan (0%)
- Magenta (11%)
- Yellow (57%)
- Black (4%)



- Cyan (4%)
- Magenta (15%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 212.4190, 51.7230, -28.7970 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 212.4190, 51.7230, -28.7970 by changing the saturation by 10% instead.



212.4190, 51.7230,  
-28.7970

212.4190, 51.7230,  
-28.7970

255.0000, -0.0000,  
-0.0000

184.0490, 49.8890,  
-28.5990

244.1700, 30.4950,  
-29.5450

156.4510, 48.6970,  
-29.0230

247.3620, 21.5070,  
-20.8370

129.0980, 48.1930,  
-30.9030

250.6680, 12.1980,  
-11.8180

103.4290, 45.7630,  
-30.9170

253.9740, 2.8890,  
-2.7990

81.2680, 36.2710,  
-24.0890

59.6940, 26.5040,  
-17.7840

39.0060, 17.0580,

-11.7900

■ 19.7910, 7.6580,  
-6.6300

■ 0.0000, 0.0000,  
0.0000

■ 212.4190, 51.7230,  
-28.7970

■ 212.4190, 51.7230,  
-28.7970

■ 206.7480, 60.8020,  
-33.6460

■ 218.0900, 42.6440,  
-23.9480

■ 200.9630, 70.2020,  
-38.8060

■ 223.8750, 33.2440,  
-18.7880

■ 195.8790, 79.0060,  
-44.1780

■ 228.9590, 24.4400,  
-13.4160

■ 190.0940, 88.4060,  
-49.3380

■ 234.7440, 15.0400,  
-8.2560

■ 188.0080, 91.5240,  
-50.7800

■ 240.4150, 5.9610,  
-3.4070

■ 246.0860, -3.1180,  
1.4420

■ 248.7760, -5.1810,  
0.2830

■ 251.7110, -6.5560,  
-2.3320

# Harmonies

## Analogous

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



206.2650, 58.6890, -11.8630



212.4190, 51.7230, -28.7970



206.2330, 7.8480, -43.1280

# Triad

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



212.4190, 51.7230, -28.7970



172.2980, -148.9550, -48.3070



211.5620, 20.3500, 38.7020

# Complementary

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



212.4190, 51.7230, -28.7970



137.5810, -51.7230, 28.7970

# 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.



216.4250, 1.1420, 23.3660



212.4190, 51.7230, -28.7970



167.6020, -146.7550, -44.1230

# Square

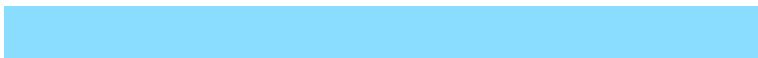
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



212.4190, 51.7230, -28.7970



169.8240, -139.2330, -59.3050



200.3580, -59.7860, -6.8100



201.4910, 36.3070, 30.3470



# Rectangle

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



212.4190, 51.7230, -28.7970



199.9650, -29.5640, -47.9320



200.3580, -59.7860, -6.8100



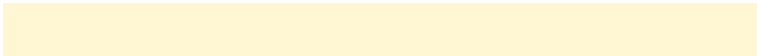
215.0840, 18.7000, 35.5640

# Sweetspot

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



212.4190, 51.7230, -28.7970



245.4020, 16.0030, -9.1890



150.4540, 73.2600, 37.9640



122.1010, 9.7210, -5.4710



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.



212.4190, 51.7230, -28.7970



215.3200, 64.8830, -36.0210



216.0090, 19.8620, -51.6100



119.4580, 4.4020, -2.6860



143.6640, 69.6060, -39.0180



45.2300, 22.2390, -12.0730



# Inverse Universe

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



137.5810, -51.7230, 28.7970



121.6800, -64.8830, 36.0210



133.9910, -19.8620, 51.6100



113.1290, -4.6770, 2.1630



42.3360, -69.6060, 39.0180

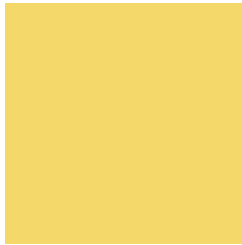


13.1830, -21.9640, 12.5960



# Previews

## White Background



This preview shows how the YIQ color 212.4190, 51.7230, -28.7970 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 212.4190, 51.7230, -28.7970 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 212.4190, 51.7230, -28.7970

## Background



This preview shows how black text looks on a background with the YIQ color 212.4190, 51.7230, -28.7970.



This preview shows how white text looks on a background with the YIQ color 212.4190, 51.7230, -28.7970.

-28.7970.

# 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

212.4190, 51.7230, -28.7970

### Protanopia

212.1090, 49.6600, -29.9560

### Deuteranopia

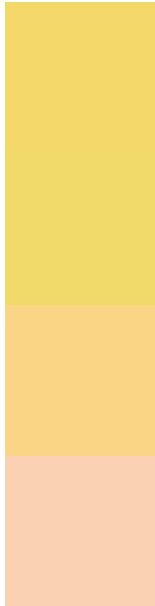
216.6150, 46.0800, -9.1200



## Tritanopia

220.7740, 24.6640, 15.5760

# Trichromacy



## Original Color

212.4190, 51.7230, -28.7970

## Protanomaly

212.4080, 50.2560, -29.7440

## Deuteranomaly

215.3560, 48.0070, -16.5130

## Tritanomaly

217.8390, 34.0660, -0.6380

# Monochromacy



## Original Color

212.4190, 51.7230, -28.7970

## Achromatopsia

212.0000, -0.0000, -0.0000

## Achromatomaly

212.3160, 19.1210, -10.6310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 212.4190, 51.7230, -28.7970 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(244, 217, 106)` looks like.

```
.text, #text, p{  
    color:rgb(244, 217, 106)  
}
```

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(244, 217, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 217, 106) }
```

## Border

The CSS property to change the border of an element to YIQ 212.4190, 51.7230, -28.7970 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(244, 217, 106) }
```



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

```
.border{ border-color:rgb(244, 217, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 217, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 217, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 217, 106);  
box-shadow:4px 4px 4px 4px rgb(244, 217,  
106) }
```

# Background

The CSS property to change the background color of an element to YIQ 212.4190, 51.7230, -28.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 217, 106) }
```

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

```
.background{ background-color: rgb(244,  
217, 106) }
```

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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