

Converting Colors

YIQ(199.8210, 84.9210,
-46.7510)

Have a look what the booklet for
YIQ(199.8210, 84.9210, -46.7510)
contains.

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Color

**YIQ(199.8210, 84.9210,
-46.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	FCCF1A
RGB	252, 207, 26
RGB Percent	99%, 81%, 10%
CMY	0.0118, 0.1883, 0.8975
CMYK	0.00, 0.18, 0.90, 0.01
HSL	48°, 97%, 55%
HSV	48°, 90%, 99%
XYZ	62.6403, 65.3866, 10.3038
YIQ	199.8210, 84.9210, -46.7510

Conversions

Conversions Part 2

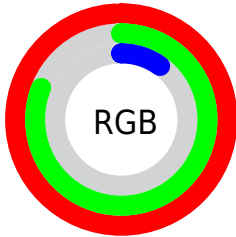
Format	Color
R _Y B	82, 252, 26
Decimal	16568090
CIE Lab	84.68, 1.14, 82.45
CIE LCh	85, 82.458, 89.206
Yxy	65.3866, 0.4528, 0.4727
Android (android.graphics.Color)	4294758170 (0xFFFCF1A)
YUV	199.8210, -85.6938, 45.7610
Hunter-Lab	80.8620, -3.2321, 49.0484

Details

The YIQ color **199.8210, 84.9210, -46.7510** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **78.1790, -84.9210, 46.7510**, and the grayscale version is **201.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **236.7600, 51.3600, -49.7600**, and **146.6210, 71.1650, -39.7390** is the 20% darker color. If you saturate the color by 10%, you get **194.0360, 94.3210, -51.9110**, and if you desaturate by 10%, it is **205.6060, 75.5210, -41.5910**.

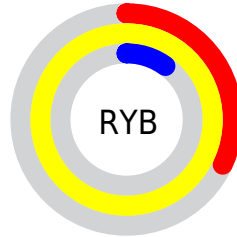
Distribution



Red (99%)

Green (81%)

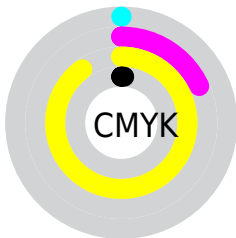
Blue (10%)



Red (32%)

Yellow (99%)

Blue (10%)

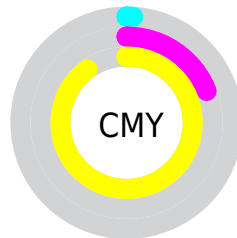


Cyan (0%)

Magenta (18%)

Yellow (90%)

Black (1%)



Cyan (1%)

Magenta (19%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 199.8210, 84.9210, -46.7510 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 199.8210, 84.9210, -46.7510 by changing the saturation by 10% instead.

199.8210, 84.9210,
-46.7510

199.8210, 84.9210,
-46.7510

255.0000, -0.0000,
-0.0000

171.7390, 82.2160,
-47.2880

236.7600, 51.3600,
-49.7600

146.6210, 71.1650,
-39.7390

240.1800, 41.7300,
-40.4300

122.3890, 60.4350,
-32.5010

243.4860, 32.4210,
-31.4110

99.6300, 49.7510,
-26.0970

246.7920, 23.1120,
-22.3920

76.8710, 39.0670,
-19.6930

250.0980, 13.8030,
-13.3730

55.5850, 28.4290,
-14.1230

253.5180, 4.1730,

35.4840, 18.7080,

-4.0430

-8.6520

■ 15.9810, 10.1790,
-2.7570

■ 0.0000, 0.0000,
0.0000

■ 199.8210, 84.9210,
-46.7510

■ 199.8210, 84.9210,
-46.7510

■ 194.0360, 94.3210,
-51.9110

■ 205.6060, 75.5210,
-41.5910

■ 193.9220, 94.6420,
-52.2220

■ 211.5050, 65.8000,
-36.1200

■ 217.2900, 56.4000,
-30.9600

■ 223.0750, 47.0000,
-25.8000

■ 228.8600, 37.6000,
-20.6400

■ 234.6450, 28.2000,
-15.4800

■ 240.5440, 18.4790,
-10.0090

■ 246.3290, 9.0790,
-4.8490

■ 252.1140, -0.3210,
0.3110

Harmonies

Analogous

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



188.5800, 79.5510, -15.4970



199.8210, 84.9210, -46.7510



193.4740, 22.3860, -64.3180

Triad

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



199.8210, 84.9210, -46.7510



174.0590, -149.7800, -49.8760



197.4740, 26.9500, 51.2540

Complementary

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



199.8210, 84.9210, -46.7510



78.1790, -84.9210, 46.7510

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.



203.3680, -11.8790, 22.5610



199.8210, 84.9210, -46.7510



169.3630, -147.5800, -45.6920

Square

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



199.8210, 84.9210, -46.7510



169.1740, -134.6470, -65.3270



158.7970, -142.6300, -36.2780



180.2280, 45.1980, 50.9420

Rectangle

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



199.8210, 84.9210, -46.7510



182.8430, -35.9330, -70.1810



158.7970, -142.6300, -36.2780



203.9310, 23.9250, 45.5010

Sweetspot

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



199.8210, 84.9210, -46.7510



238.9160, 25.9990, -14.1370



98.7040, 120.2510, 61.9070



118.0430, 15.6360, -8.0440



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.



199.8210, 84.9210, -46.7510



195.9930, 95.8800, -52.6320



205.9040, 32.0180, -84.7020



121.7570, 4.9980, -2.4740



145.1480, 71.1190, -38.9050



47.0020, 22.8810, -12.6950

Inverse Universe

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



78.1790, -84.9210, 46.7510



59.0070, -95.8800, 52.6320



72.0960, -32.0180, 84.7020



115.2430, -4.9980, 2.4740



43.8520, -71.1190, 38.9050



13.9980, -22.8810, 12.6950

Previews

White Background



This preview shows how the YIQ color 199.8210, 84.9210, -46.7510 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 199.8210, 84.9210, -46.7510 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 199.8210, 84.9210, -46.7510

Background



This preview shows how black text looks on a background with the YIQ color 199.8210, 84.9210, -46.7510.



This preview shows how white text looks on a background with the YIQ color 199.8210, 84.9210, -46.7510.

-46.7510.

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

199.8210, 84.9210, -46.7510

Protanopia

198.7980, 74.5600, -51.7120

Deuteranopia

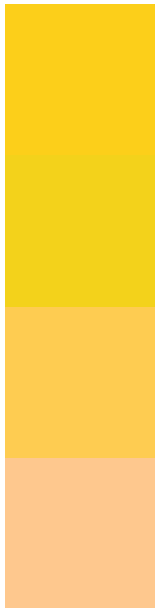
208.2880, 59.8820, -16.9660



Tritanopia

215.0090, 31.3120, 16.2400

Trichromacy



Original Color

199.8210, 84.9210, -46.7510

Protanomaly

199.0050, 78.4110, -49.9170

Deuteranomaly

204.9280, 69.2830, -27.6530

Tritanomaly

209.5340, 50.8020, -6.5900

Monochromacy



Original Color

199.8210, 84.9210, -46.7510

Achromatopsia

200.0000, -0.0000, -0.0000

Achromatomaly

200.2600, 30.7220, -17.1340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 199.8210, 84.9210, -46.7510 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(252, 207, 26)` looks like.

```
.text, #text, p{  
    color:rgb(252, 207, 26)  
}
```

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(252, 207, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 207, 26) }
```

Border

The CSS property to change the border of an element to YIQ 199.8210, 84.9210, -46.7510 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(252, 207, 26) }
```


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

```
.border{ border-color:rgb(252, 207, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 207, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 207, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 207, 26);  
box-shadow:4px 4px 4px 4px rgb(252, 207,  
26) }
```

Background

The CSS property to change the background color of an element to YIQ 199.8210, 84.9210, -46.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 207, 26) }
```

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

```
.background{ background-color: rgb(252,  
207, 26) }
```

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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