

Converting Colors

YIQ(212.9740, 18.9430,
-40.4570)

Have a look what the booklet for
YIQ(212.9740, 18.9430, -40.4570)
contains.

YIQ(212.9740, 18.9430, -40.4570)	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(212.9740, 18.9430,
-40.4570)**

Conversions

Conversions Part 1

Format	Color
Hex	CEEA7B
RGB	206, 234, 123
RGB Percent	81%, 92%, 48%
CMY	0.1923, 0.0823, 0.5175
CMYK	0.12, 0.00, 0.47, 0.08
HSL	75°, 73%, 70%
HSV	75°, 47%, 92%
XYZ	58.4478, 73.4001, 29.8395
YIQ	212.9740, 18.9430, -40.4570

Conversions

Conversions Part 2

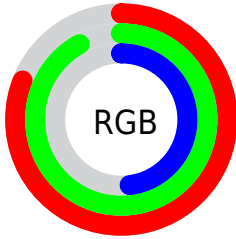
Format	Color
RYB	123, 234, 151
Decimal	13560443
CIELab	88.64, -25.84, 50.50
CIElCh	89, 56.728, 117.097
Yxy	73.4001, 0.3615, 0.4540
Android (android.graphics.Color)	4291750523 (0xFFCCEEA7B)
YUV	212.9740, -44.3572, -6.1162
Hunter-Lab	85.6739, -28.1543, 39.3215

Details

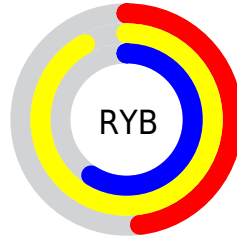
The YIQ color **212.9740, 18.9430, -40.4570** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **144.0260, -18.9430, 40.4570**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **246.2220, 24.7170, -23.9470**, and **157.4300, 17.6590, -39.2130** is the 20% darker color. If you saturate the color by 10%, you get **208.5580, 22.7500, -48.8820**, and if you desaturate by 10%, it is **217.3900, 15.1360, -32.0320**.

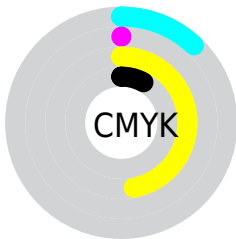
Distribution



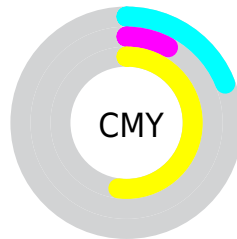
- Red (81%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (59%)



- Cyan (12%)
- Magenta (0%)
- Yellow (47%)
- Black (8%)



- Cyan (19%)
- Magenta (8%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 212.9740, 18.9430, -40.4570 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 212.9740, 18.9430, -40.4570 by changing the saturation by 10% instead.

212.9740, 18.9430,
-40.4570

212.9740, 18.9430,
-40.4570

255.0000, -0.0000,
-0.0000

185.2020, 18.3010,
-39.8350

246.2220, 24.7170,
-23.9470

157.4300, 17.6590,
-39.2130

249.4140, 15.7290,
-15.2390

130.1310, 17.0630,
-39.4250

252.6060, 6.7410,
-6.5310

103.5610, 18.6680,
-40.9800

79.6300, 14.2200,
-37.4600

58.0670, 5.9200,
-30.2080

36.1940, -4.4430,

-24.1150

■ 19.3710, -9.0750,
-17.2590

■ 0.0000, 0.0000,
0.0000

■ 212.9740, 18.9430,
-40.4570

■ 212.9740, 18.9430,
-40.4570

■ 208.5580, 22.7500,
-48.8820

■ 217.3900, 15.1360,
-32.0320

■ 204.0280, 26.8780,
-57.6180


■ 221.9200, 11.0080,
-23.2960


■ 199.6120, 30.6850,
-66.0430

■ 226.3360, 7.2010,
-14.8710


■ 195.0820, 34.8130,
-74.7790


■ 230.8660, 3.0730,
-6.1350

 190.6660, 38.6200,
-83.2040

 235.2820, -0.7340,
2.2900

 189.6830, 39.9500,
-85.2820

 238.4870, -2.5690,
8.0150

 240.2810, 1.0070,
9.2870

 242.0750, 4.5830,
10.5590

 242.6730, 5.7750,
10.9830

Harmonies

Analogous

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



216.9790, 56.0780, -25.1220



212.9740, 18.9430, -40.4570



204.1430, -35.9370, -48.0730

Triad

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



212.9740, 18.9430, -40.4570



171.7110, -148.6800, -47.7840



206.9510, 29.2000, 32.4960

Complementary

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



212.9740, 18.9430, -40.4570



144.0260, -18.9430, 40.4570

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.



216.8450, 17.8750, 33.9950



212.9740, 18.9430, -40.4570



199.6610, -74.1810, -15.7570

Square

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



212.9740, 18.9430, -40.4570



175.8200, -150.6050, -51.4450



217.8210, -9.0810, 15.9030



203.1430, 45.4340, 13.6100

Rectangle

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



212.9740, 18.9430, -40.4570



192.2420, -84.6280, -52.2120



217.8210, -9.0810, 15.9030



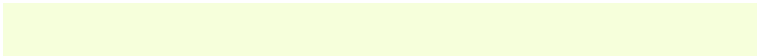
210.7640, 22.5970, 36.5250

Sweetspot

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



212.9740, 18.9430, -40.4570



248.2050, 6.1920, -13.1040



172.6250, 58.4560, 8.8880



123.6980, 3.4860, -8.1140



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.



212.9740, 18.9430, -40.4570



227.4070, 24.4930, -52.9390



196.5290, -13.8370, -52.1170



114.8490, 1.7430, -4.0570



146.6120, 30.6850, -66.0430



43.6580, 8.9900, -19.7620

Inverse Universe

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



144.0260, -18.9430, 40.4570



137.2940, -25.0890, 52.7270



160.4710, 13.8370, 52.1170



108.1510, -1.7430, 4.0570



34.3880, -30.6850, 66.0430



10.3420, -8.9900, 19.7620

Previews

White Background



This preview shows how the YIQ color 212.9740, 18.9430, -40.4570 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 212.9740, 18.9430, -40.4570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

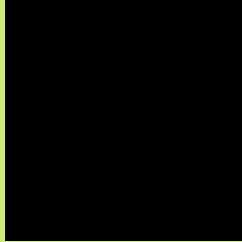
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 212.9740, 18.9430, -40.4570

Background



This preview shows how black text looks on a background with the YIQ color 212.9740, 18.9430, -40.4570.



This preview shows how white text looks on a background with the YIQ color 212.9740, 18.9430,

-40.4570.

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

212.9740, 18.9430, -40.4570

Protanopia

217.1350, 46.7710, -27.1570

Deuteranopia

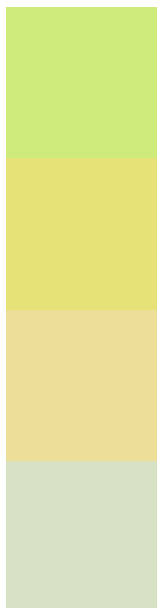
221.6020, 38.9270, -6.1370



Tritanopia

222.6390, -6.0530, 5.0750

Trichromacy



Original Color

212.9740, 18.9430, -40.4570

Protanomaly

215.4110, 37.0060, -31.9060

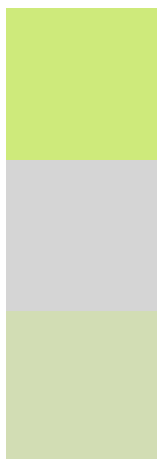
Deuteranomaly

218.5050, 31.4100, -18.5900

Tritanomaly

219.2910, 3.0740, -11.6620

Monochromacy



Original Color

212.9740, 18.9430, -40.4570

Achromatopsia

213.0000, -0.0000, 0.0000

Achromatomaly

213.0370, 6.6050, -15.0830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 212.9740, 18.9430, -40.4570 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(206, 234, 123)` looks like.

```
.text, #text, p{  
    color:rgb(206, 234, 123)  
}
```

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(206, 234, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 234, 123) }
```

Border

The CSS property to change the border of an element to YIQ 212.9740, 18.9430, -40.4570 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(206, 234, 123) }
```


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

```
.border{ border-color:rgb(206, 234, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 234, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 234, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 234, 123);  
box-shadow:4px 4px 4px 4px rgb(206, 234,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 212.9740, 18.9430, -40.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 234, 123) }
```

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

```
.background{ background-color: rgb(206,  
234, 123) }
```

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