

# Converting Colors

YIQ(218.2630, -0.8640,  
-39.4240)

Have a look what the booklet for  
YIQ(218.2630, -0.8640, -39.4240)  
contains.

<b>YIQ(218.2630, -0.8640, -39.4240)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(218.2630, -0.8640,  
-39.4240)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1F498
RGB	193, 244, 152
RGB Percent	76%, 96%, 60%
CMY	0.2433, 0.0430, 0.4038
CMYK	0.21, 0.00, 0.38, 0.04
HSL	93°, 81%, 78%
HSV	93°, 38%, 96%
XYZ	60.0067, 78.3132, 41.6665
YIQ	218.2630, -0.8640, -39.4240

# Conversions

## Conversions Part 2

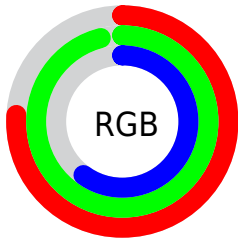
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 244, 203
Decimal	12711064
CIELab	90.92, -31.94, 39.15
CIElCh	91, 50.524, 129.210
Yxy	78.3132, 0.3334, 0.4351
Android (android.graphics.Color)	4290901144 (0xFFC1F498)
YUV	218.2630, -32.6677, -22.1557
Hunter-Lab	88.4947, -33.8281, 34.0305

# Details

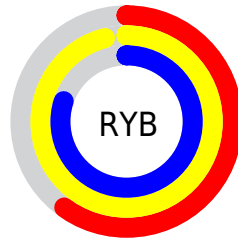
The YIQ color  $218.2630, -0.8640, -39.4240$  is a light color, and the websafe version is hex  $CCFF99$ . A complement of this color would be  $177.7370, 0.8640, 39.4240$ , and the grayscale version is  $219.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $248.3320, 13.0240, -15.7760$ , and  $163.0180, -1.5520, -37.9680$  is the 20% darker color. If you saturate the color by 10%, you get  $211.3410, -1.5040, -49.8560$ , and if you desaturate by 10%, it is  $225.1850, -0.2240, -28.9920$ .

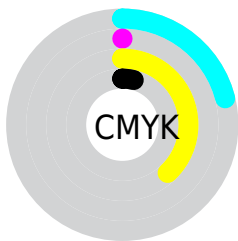
# Distribution



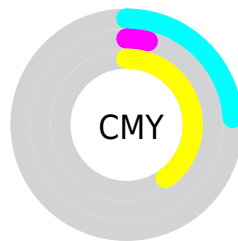
- Red (76%)
- Green (96%)
- Blue (60%)



- Red (60%)
- Yellow (96%)
- Blue (80%)



- Cyan (21%)
- Magenta (0%)
- Yellow (38%)
- Black (4%)



- Cyan (24%)
- Magenta (4%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 218.2630, -0.8640, -39.4240 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 218.2630, -0.8640, -39.4240 by changing the saturation by 10% instead.





 218.2630, -0.8640,  
-39.4240

 218.2630, -0.8640,  
-39.4240

255.0000, -0.0000,  
-0.0000

 189.7900, -0.9100,  
-38.5900


 248.3320, 13.0240,  
-15.7760


 163.0180, -1.5520,  
-37.9680

 252.8340, 6.0990,  
-5.9090

 135.5450, -1.5980,  
-37.1340

 109.7730, -2.2400,  
-36.5120

 83.8870, -2.5610,  
-36.2010

 59.1750, -3.4320,  
-36.9360

 36.4160, -14.1160,

-30.5320

■ 22.8930, -10.7250,  
-20.3970

■ 3.5220, -1.6500,  
-3.1380

■ 218.2630, -0.8640,  
-39.4240

■ 218.2630, -0.8640,  
-39.4240

■ 211.3410, -1.5040,  
-49.8560

■ 225.1850, -0.2240,  
-28.9920

■ 204.6040, -1.2270,  
-60.3870

■ 231.9220, -0.5010,  
-18.4610

■ 197.6820, -1.8670,  
-70.8190

■ 238.8440, 0.1390,  
-8.0290

■ 190.9450, -1.5900,  
-81.3500

■ 245.5810, -0.1380,  
2.5020

■ 184.0230, -2.2300,  
-91.7820

■ 248.5430, 3.0250,  
5.7530

■ 177.4000, -2.2740,  
-102.0020

■ 175.8190, -2.1360,  
-104.5040

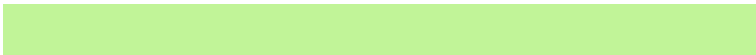
# Harmonies

## Analogous

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



224.1990, 40.7190, -27.6090



218.2630, -0.8640, -39.4240



209.0950, -53.1770, -44.0010

# Triad

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



218.2630, -0.8640, -39.4240



197.7240, -96.8280, -29.3400



212.9860, 30.1190, 21.3430

# Complementary

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



218.2630, -0.8640, -39.4240



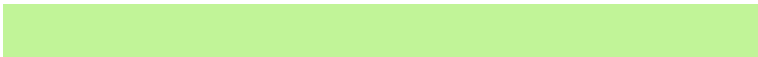
177.7370, 0.8640, 39.4240

# Split Complementary

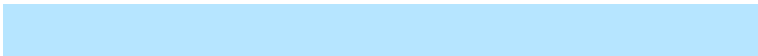
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



220.3670, 16.2250, 30.8570



218.2630, -0.8640, -39.4240



217.9110, -36.3580, -1.8780

# Square

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



218.2630, -0.8640, -39.4240



176.9940, -151.1550, -52.4910



228.8730, 11.5040, 22.8000

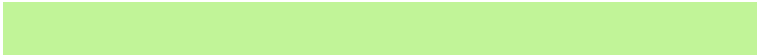


212.4380, 42.6850, 2.8530



# Rectangle

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



218.2630, -0.8640, -39.4240



198.4830, -95.3120, -45.8080



228.8730, 11.5040, 22.8000



214.8100, 24.9830, 26.3190

# Sweetspot

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



218.2630, -0.8640, -39.4240



247.0240, -0.5480, -12.1000



209.4450, 40.8070, -7.1690



123.0720, -0.5030, -7.4070



0.0000, 0.0000, 0.0000

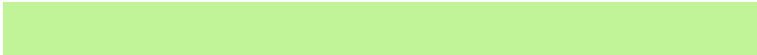


128.0000, -0.0000, -0.0000

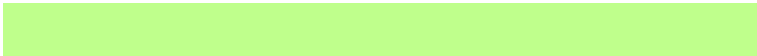


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



218.2630, -0.8640, -39.4240



222.7540, -1.2290, -49.3330



206.5740, -26.9050, -46.5610



118.8380, 0.2760, -5.0040



133.9990, -1.6820, -79.6820



42.4070, -0.7290, -25.3450



# Inverse Universe

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



177.7370, 0.8640, 39.4240



172.2460, 1.2290, 49.3330



189.4260, 26.9050, 46.5610



113.4610, 0.3200, 5.2160



52.0010, 1.6820, 79.6820



16.5930, 0.7290, 25.3450



# Previews

## White Background



This preview shows how the YIQ color 218.2630, -0.8640, -39.4240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

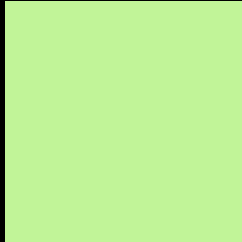
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 218.2630, -0.8640, -39.4240 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 218.2630, -0.8640, -39.4240**

## **Background**



This preview shows how black text looks on a background with the YIQ color 218.2630, -0.8640, -39.4240.



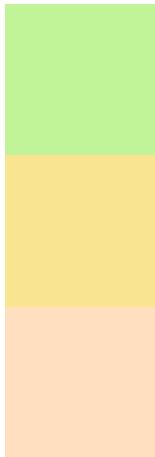
This preview shows how white text looks on a background with the YIQ color 218.2630, -0.8640,

-39.4240.

# 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

218.2630, -0.8640, -39.4240

### Protanopia

224.9310, 38.8380, -21.0500

### Deuteranopia

228.9200, 29.3440, -3.1680



## Tritanopia

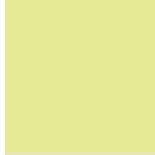
226.9900, -20.4030, 0.8210

# Trichromacy



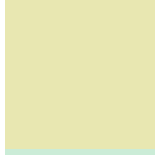
## Original Color

218.2630, -0.8640, -39.4240



## Protanomaly

222.7010, 24.6260, -27.8060



## Deuteranomaly

225.1430, 17.9300, -16.5820



## Tritanomaly

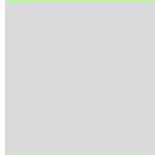
223.7390, -12.9270, -13.5270

# Monochromacy



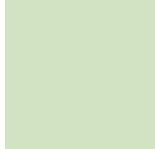
## Original Color

218.2630, -0.8640, -39.4240



## Achromatopsia

218.0000, -0.0000, 0.0000



## Achromatomaly

217.8560, -0.1350, -14.0790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 218.2630, -0.8640, -39.4240 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(193, 244, 152)` looks like.

```
.text, #text, p{  
    color:rgb(193, 244, 152)  
}
```

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(193, 244, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 244, 152) }
```

## Border

The CSS property to change the border of an element to YIQ 218.2630, -0.8640, -39.4240 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(193, 244, 152) }
```



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

```
.border{ border-color:rgb(193, 244, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 244, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 244, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 244, 152);  
box-shadow:4px 4px 4px 4px rgb(193, 244,  
152) }
```

# Background

The CSS property to change the background color of an element to YIQ 218.2630, -0.8640, -39.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 244, 152) }
```

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

```
.background{ background-color: rgb(193,  
244, 152) }
```

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