

# Converting Colors

YIQ(239.3800, 3.9010, -21.1470)

Have a look what the booklet for  
YIQ(239.3800, 3.9010, -21.1470)  
contains.

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# Color

**YIQ(239.3800, 3.9010,  
-21.1470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6FCC7
RGB	230, 252, 199
RGB Percent	90%, 99%, 78%
CMY	0.0981, 0.0117, 0.2195
CMYK	0.09, 0.00, 0.21, 0.01
HSL	85°, 90%, 88%
HSV	85°, 21%, 99%
XYZ	77.7499, 90.5701, 67.4255
YIQ	239.3800, 3.9010, -21.1470

# Conversions

## Conversions Part 2

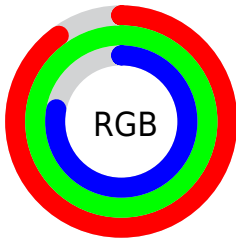
Format	Color
<a href="#">RYB</a>	<a href="#">199, 252, 221</a>
Decimal	<a href="#">15137991</a>
CIELab	<a href="#">96.23, -16.14, 23.03</a>
CIElCh	<a href="#">96, 28.128, 125.028</a>
Yxy	<a href="#">90.5701, 0.3298, 0.3842</a>
Android (android.graphics.Color)	<a href="#">4293328071 (0xFFE6FCC7)</a>
YUV	<a href="#">239.3800, -19.9073, -8.2263</a>
Hunter-Lab	<a href="#">95.1683, -20.7150, 24.6116</a>

# Details

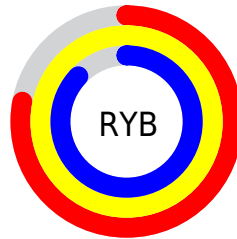
The YIQ color  $239.3800, 3.9010, -21.1470$  is a light color, and the websafe version is hex  $FFFFCC$ . A complement of this color would be  $211.6200, -3.9010, 21.1470$ , and the grayscale version is  $240.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $183.0210, 3.5340, -20.0020$  is the 20% darker color. If you saturate the color by 10%, you get  $233.5400, 5.9660, -31.0420$ , and if you desaturate by 10%, it is  $245.2200, 1.8360, -11.2520$ .

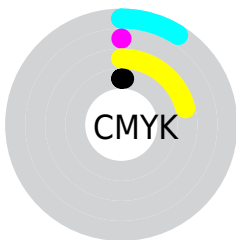
# Distribution



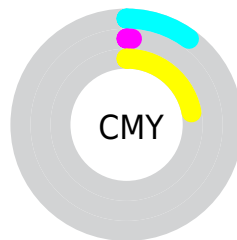
- Red (90%)
- Green (99%)
- Blue (78%)



- Red (78%)
- Yellow (99%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (21%)
- Black (1%)



- Cyan (10%)
- Magenta (1%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 239.3800, 3.9010, -21.1470 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 239.3800, 3.9010, -21.1470 by changing the saturation by 10% instead.



■ 239.3800, 3.9010,  
-21.1470

■ 239.3800, 3.9010,  
-21.1470

255.0000, -0.0000,  
-0.0000

■ 210.9070, 3.8550,  
-20.3130

■ 183.0210, 3.5340,  
-20.0020

■ 156.1350, 3.2130,  
-19.6910

■ 130.2490, 2.8920,  
-19.3800

■ 104.7760, 2.8460,  
-18.5460

■ 80.3030, 2.8000,  
-17.7120

■ 57.1180, 1.8830,

-17.6130

■ 34.4880, 3.7170,  
-17.8110

■ 15.2620, -7.1500,  
-13.5980

■ 239.3800, 3.9010,  
-21.1470

■ 239.3800, 3.9010,  
-21.1470

■ 233.5400, 5.9660,  
-31.0420

■ 245.2200, 1.8360,  
-11.2520

■ 227.4010, 7.4350,  
-41.1490

■ 251.3590, 0.3670,  
-1.1450

■ 221.4470, 9.8210,  
-51.3550

■ 253.2390, 0.8250,  
1.5690

■ 215.3080, 11.2900,  
-61.4620

■ 209.4680, 13.3550,  
-71.3570

■ 203.3290, 14.8240,  
-81.4640

■ 197.4890, 16.8890,  
-91.3590

■ 191.8770, 18.3120,  
-100.6320

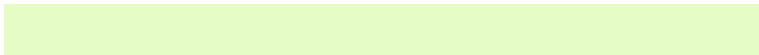
# Harmonies

## Analogous

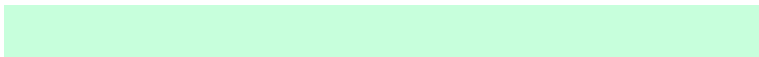
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



241.1330, 23.8900, -14.4620



239.3800, 3.9010, -21.1470



234.2660, -22.1410, -22.7570

# Triad

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



239.3800, 3.9010, -21.1470



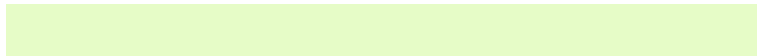
232.8960, -41.1700, -13.7940



235.6800, 13.0650, 11.0250

# Complementary

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



239.3800, 3.9010, -21.1470



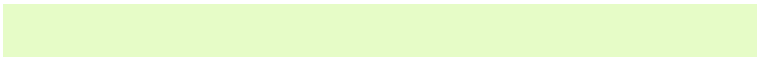
211.6200, -3.9010, 21.1470

# Split Complementary

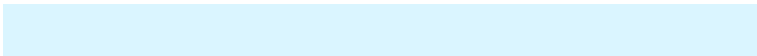
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



239.1510, 7.4250, 14.1210



239.3800, 3.9010, -21.1470



238.0670, -19.3020, -2.6140

# Square

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



239.3800, 3.9010, -21.1470



228.9870, -51.8520, -18.4440



243.8470, 5.2250, 9.9370

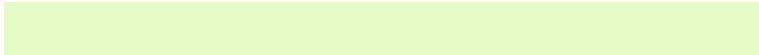


233.8900, 20.8610, 1.8930

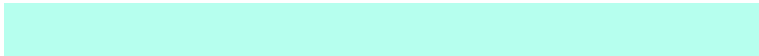


# Rectangle

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



239.3800, 3.9010, -21.1470



231.2350, -38.0510, -20.7630



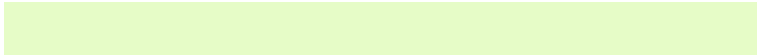
243.8470, 5.2250, 9.9370



236.8200, 9.8550, 14.1350

# Sweetspot

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



239.3800, 3.9010, -21.1470



251.4960, 1.2390, -5.9370



227.1740, 25.8130, 0.2530



125.7780, 0.5050, -3.6470



0.0000, 0.0000, 0.0000

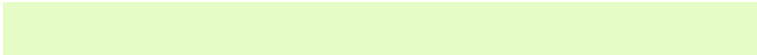


128.0000, -0.0000, -0.0000

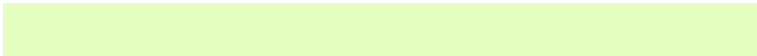


# Same Dimension

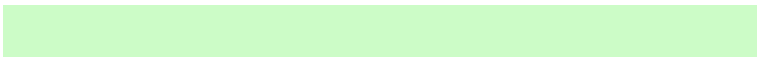
The Same Dimension uses a secret algorithm to generate beautiful new colors.



239.3800, 3.9010, -21.1470



239.6310, 4.4520, -25.6280



231.6060, -11.5950, -26.6590



122.0230, 1.1930, -5.1030



143.8330, 13.5850, -75.5270



46.5710, 4.6810, -24.2710



# Inverse Universe

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



211.6200, -3.9010, 21.1470



206.3690, -4.4520, 25.6280



219.3940, 11.5950, 26.6590



115.2760, -0.5970, 5.3150



44.8680, -14.1810, 75.3150

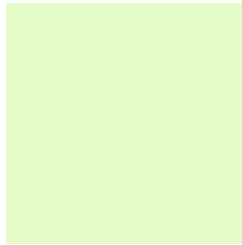


14.4290, -4.6810, 24.2710



# Previews

## White Background



This preview shows how the YIQ color 239.3800, 3.9010, -21.1470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

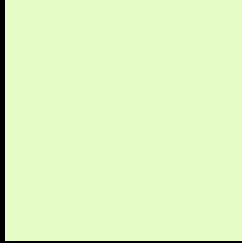
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 239.3800, 3.9010, -21.1470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

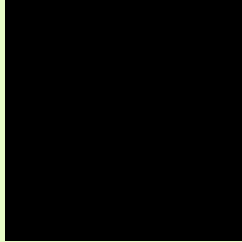
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

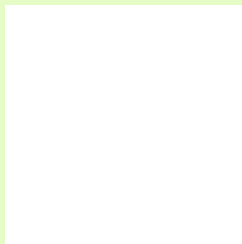
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 239.3800, 3.9010, -21.1470

## Background



This preview shows how black text looks on a background with the YIQ color 239.3800, 3.9010, -21.1470.



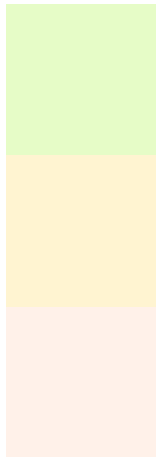
This preview shows how white text looks on a background with the YIQ color 239.3800, 3.9010,

-21.1470.

# 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

239.3800, 3.9010, -21.1470

### Protanopia

243.2990, 17.7910, -8.5530

### Deuteranopia

244.2740, 10.9120, 0.4800

## **Tritanopia**

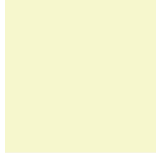
244.3570, -5.3190, 2.7850

# Trichromacy



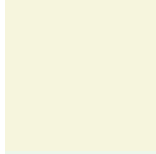
## Original Color

239.3800, 3.9010, -21.1470



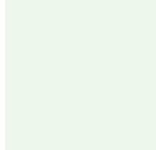
## Protanomaly

241.9130, 12.8860, -13.2740



## Deuteranomaly

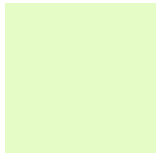
242.5630, 8.3000, -7.2520



## Tritanomaly

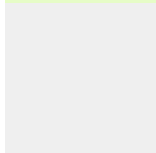
242.6420, -2.1080, -5.8520

# Monochromacy



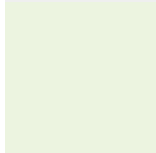
## Original Color

239.3800, 3.9010, -21.1470



## Achromatopsia

239.0000, -0.0000, -0.0000



## Achromatomaly

239.3280, 1.6520, -7.9160

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 239.3800, 3.9010, -21.1470 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(230, 252, 199)` looks like.

```
.text, #text, p{  
    color:rgb(230, 252, 199)  
}
```

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(230, 252, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 252, 199) }
```

## Border

The CSS property to change the border of an element to YIQ 239.3800, 3.9010, -21.1470 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(230, 252, 199) }
```



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

```
.border{ border-color:rgb(230, 252, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 252, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 252, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 252, 199);  
box-shadow:4px 4px 4px 4px rgb(230, 252,  
199) }
```

# Background

The CSS property to change the background color of an element to YIQ 239.3800, 3.9010, -21.1470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 252, 199) }
```

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

```
.background{ background-color: rgb(230,  
252, 199) }
```

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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