

# Converting Colors

YIQ(235.3710, -9.0750,  
-17.2590)

Have a look what the booklet for  
YIQ(235.3710, -9.0750, -17.2590)  
contains.

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# Color

**YIQ(235.3710, -9.0750,  
-17.2590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F9D8
RGB	216, 249, 216
RGB Percent	85%, 98%, 85%
CMY	0.1530, 0.0235, 0.1529
CMYK	0.13, 0.00, 0.13, 0.02
HSL	120°, 73%, 91%
HSV	120°, 13%, 98%
XYZ	74.5857, 87.3127, 77.8859
YIQ	235.3710, -9.0750, -17.2590

# Conversions

## Conversions Part 2

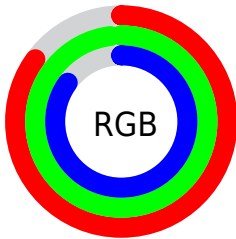
Format	Color
R <sub>Y</sub> B	216, 249, 249
Decimal	14219736
CIE Lab	94.87, -16.71, 12.29
CIE LCh	95, 20.739, 143.659
Yxy	87.3127, 0.3111, 0.3641
Android (android.graphics.Color)	4292409816 (0xFFD8F9D8)
YUV	235.3710, -9.5499, -16.9884
Hunter-Lab	93.4413, -21.0418, 15.9890

# Details

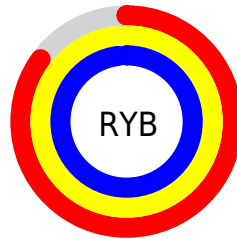
The YIQ color  $235.3710, -9.0750, -17.2590$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $229.6290, 9.0750, 17.2590$ , and the grayscale version is  $235.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $179.7840, -8.8000, -16.7360$  is the 20% darker color. If you saturate the color by 10%, you get  $225.0460, -15.9500, -30.3340$ , and if you desaturate by 10%, it is  $245.6960, -2.2000, -4.1840$ .

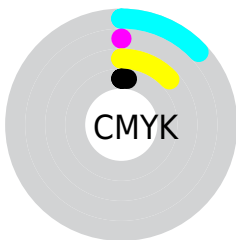
# Distribution



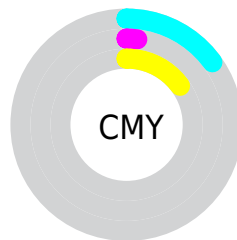
- Red (85%)
- Green (98%)
- Blue (85%)



- Red (85%)
- Yellow (98%)
- Blue (98%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)




- Cyan (15%)
- Magenta (2%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 235.3710, -9.0750, -17.2590 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 235.3710, -9.0750, -17.2590 by changing the saturation by 10% instead.




 235.3710, -9.0750,  
-17.2590

 235.3710, -9.0750,  
-17.2590


255.0000, -0.0000,  
-0.0000


 206.7840, -8.8000,  
-16.7360

 179.7840, -8.8000,  
-16.7360

 152.6100, -8.2500,  
-15.6900

 126.7240, -8.5710,  
-15.3790

 101.1370, -8.2960,  
-14.8560

 77.5500, -8.0210,  
-14.3330

 54.0770, -8.0670,

-13.4990

■ 32.1910, -8.3880,  
-13.1880

■ 14.0880, -6.6000,  
-12.5520

■ 235.3710, -9.0750,  
-17.2590

■ 235.3710, -9.0750,  
-17.2590

■ 225.0460,  
-15.9500, -30.3340

■ 245.6960, -2.2000,  
-4.1840

■ 214.7210,  
-22.8250, -43.4090

■ 251.4780, 1.6500,  
3.1380

■ 204.3960,  
-29.7000, -56.4840

■ 194.0710,  
-36.5750, -69.5590

■ 183.8600,  
-43.7710, -82.3230

■ 173.8340,  
-50.0500, -95.1860

■ 163.5090,  
-56.9250, -108.2610

■ 153.1840,  
-63.8000, -121.3360

■ 146.1630,  
-68.4750, -130.2270

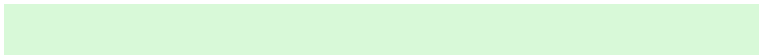
# Harmonies

## Analogous

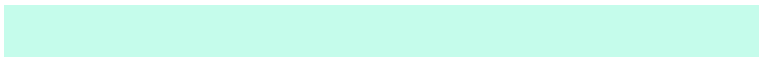
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237.8310, 10.1810, -13.8110



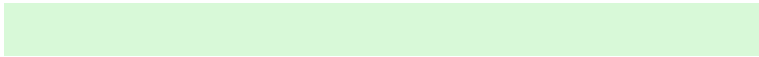
235.3710, -9.0750, -17.2590



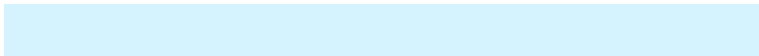
233.6170, -27.3230, -16.9470

# Triad

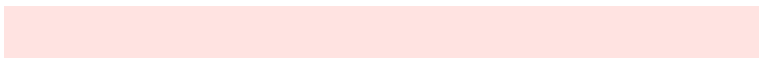
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



235.3710, -9.0750, -17.2590



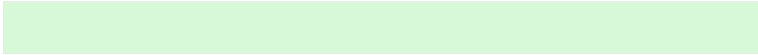
235.3980, -21.7320, -2.6280



235.1440, 17.3300, 5.3140

# Complementary

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



235.3710, -9.0750, -17.2590



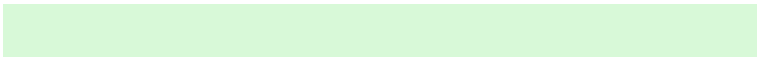
229.6290, 9.0750, 17.2590

# 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.



237.4240, 10.9100, 11.5340



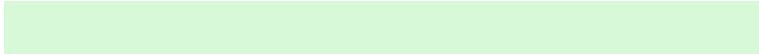
235.3710, -9.0750, -17.2590



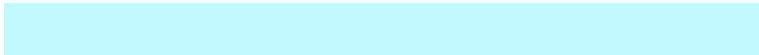
239.6500, -4.5860, 6.0220

# Square

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



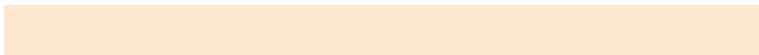
235.3710, -9.0750, -17.2590



232.9400, -35.3020, -10.0060



240.3250, 6.8750, 13.0750

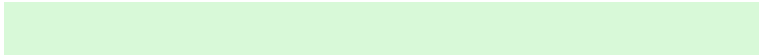


235.6680, 21.3660, -1.7540

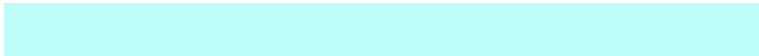


# Rectangle

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



235.3710, -9.0750, -17.2590



232.8210, -36.5850, -14.2890



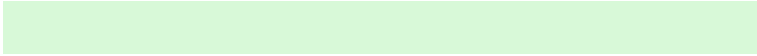
240.3250, 6.8750, 13.0750



235.3550, 15.3580, 8.0140

# Sweetspot

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



235.3710, -9.0750, -17.2590



250.8700, -2.7500, -5.2300



245.2380, 10.5930, -10.2630



125.1090, -1.9250, -3.6610



0.0000, 0.0000, 0.0000

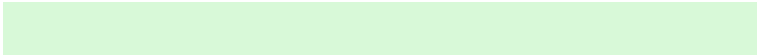


128.0000, -0.0000, -0.0000

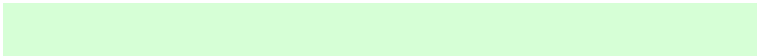


# Same Dimension

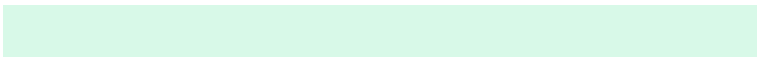
The Same Dimension uses a secret algorithm to generate beautiful new colors.



235.3710, -9.0750, -17.2590



238.0670, -11.2750, -21.4430



237.1950, -14.2110, -12.2830



119.6310, -3.5750, -6.7990



110.9430, -51.9750, -98.8470



35.8070, -16.7750, -31.9030



# Inverse Universe

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



229.6290, 9.0750, 17.2590



230.9330, 11.2750, 21.4430



227.6910, 14.5320, 11.9720



117.3690, 3.5750, 6.7990



78.0570, 51.9750, 98.8470

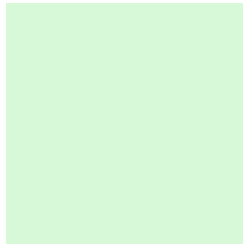


25.1930, 16.7750, 31.9030



# Previews

## White Background



This preview shows how the YIQ color 235.3710, -9.0750, -17.2590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

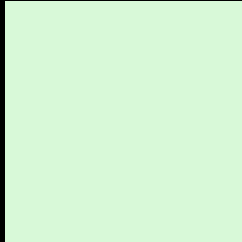
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 235.3710, -9.0750, -17.2590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

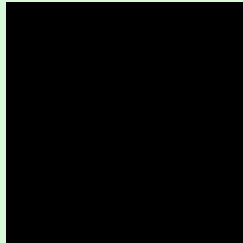
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

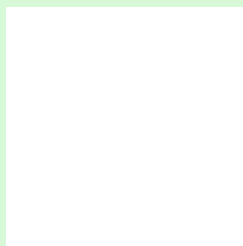
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 235.3710, -9.0750, -17.2590

## Background



This preview shows how black text looks on a background with the YIQ color 235.3710, -9.0750, -17.2590.



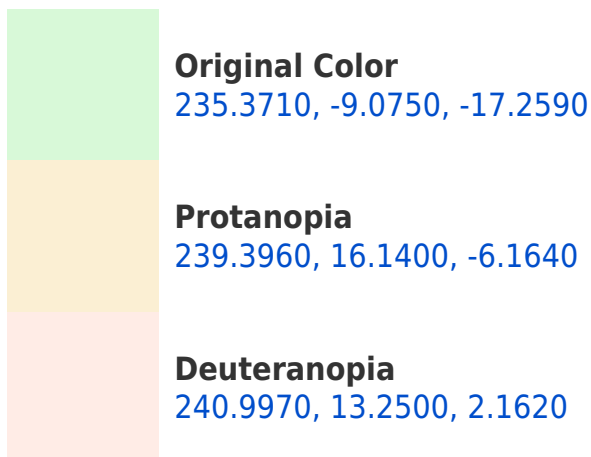
This preview shows how white text looks on a background with the YIQ color 235.3710, -9.0750,

-17.2590.

# 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

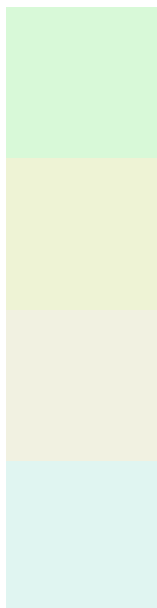




## **Tritanopia**

239.5950, -11.9210, 1.2870

# Trichromacy



## Original Color

235.3710, -9.0750, -17.2590

## Protanomaly

238.0850, 6.6500, -10.3900

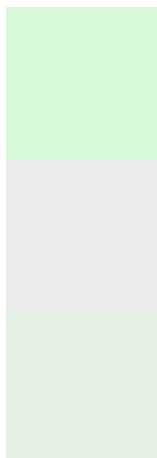
## Deuteranomaly

239.1760, 5.1360, -4.9760

## Tritanomaly

238.2650, -11.2320, -5.6960

# Monochromacy



## Original Color

235.3710, -9.0750, -17.2590

## Achromatopsia

235.0000, 0.0000, -0.0000

## Achromatomaly

235.0440, -3.3000, -6.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 235.3710, -9.0750, -17.2590 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(216, 249, 216)` looks like.

```
.text, #text, p{  
    color:rgb(216, 249, 216)  
}
```

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(216, 249, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 249, 216) }
```

## Border

The CSS property to change the border of an element to YIQ 235.3710, -9.0750, -17.2590 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(216, 249, 216) }
```



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

```
.border{ border-color:rgb(216, 249, 216) }
```

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

Here you see how a box with a 4 pixel rgb(216, 249, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 249, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 249, 216);  
box-shadow:4px 4px 4px 4px rgb(216, 249,  
216) }
```

# Background

The CSS property to change the background color of an element to YIQ 235.3710, -9.0750, -17.2590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 249, 216) }
```

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

```
.background{ background-color: rgb(216,  
249, 216) }
```

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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