

# Converting Colors

YIQ(216.2370, -15.1700,  
-33.4580)

Have a look what the booklet for  
YIQ(216.2370, -15.1700, -33.4580)  
contains.

<b>YIQ(216.2370, -15.1700, -33.4580)</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(216.2370, -15.1700,  
-33.4580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5F2B0
RGB	181, 242, 176
RGB Percent	71%, 95%, 69%
CMY	0.2904, 0.0509, 0.3098
CMYK	0.25, 0.00, 0.27, 0.05
HSL	115°, 72%, 82%
HSV	115°, 27%, 95%
XYZ	58.6409, 76.4719, 52.7430
YIQ	216.2370, -15.1700, -33.4580

# Conversions

## Conversions Part 2

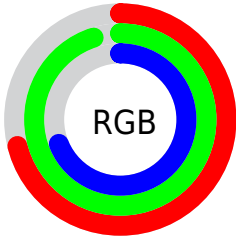
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 242, 237
Decimal	11924144
CIELab	90.08, -31.58, 25.82
CIELCh	90, 40.791, 140.727
Yxy	76.4719, 0.3122, 0.4071
Android (android.graphics.Color)	4290114224 (0xFFB5F2B0)
YUV	216.2370, -19.8368, -30.9028
Hunter-Lab	87.4482, -33.3362, 25.4540

# Details

The YIQ color **216.2370, -15.1700, -33.4580** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **201.7630, 15.1700, 33.4580**, and the grayscale version is **216.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **247.2950, -2.7490, -10.7570**, and **161.1770, -14.9410, -32.1010** is the 20% darker color. If you saturate the color by 10%, you get **206.9230, -20.5780, -45.5860**, and if you desaturate by 10%, it is **225.5510, -9.7620, -21.3300**.

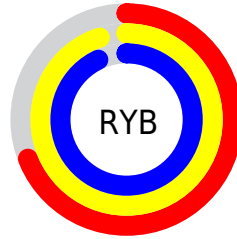
# Distribution



Red (71%)

Green (95%)

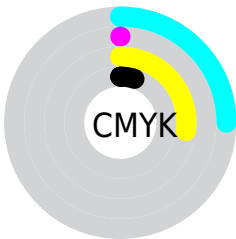
Blue (69%)



Red (69%)

Yellow (95%)

Blue (93%)

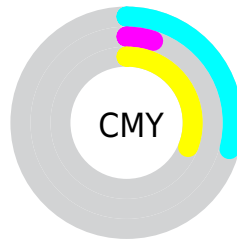


Cyan (25%)

Magenta (0%)

Yellow (27%)

Black (5%)



Cyan (29%)

Magenta (5%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 216.2370, -15.1700, -33.4580 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 216.2370, -15.1700, -33.4580 by changing the saturation by 10% instead.



■ 216.2370,  
-15.1700, -33.4580

■ 216.2370,  
-15.1700, -33.4580

255.0000, -0.0000,  
-0.0000

■ 187.7640,  
-15.2160, -32.6240

■ 247.2950, -2.7490,  
-10.7570

■ 161.1770,  
-14.9410, -32.1010

■ 133.8180,  
-15.3080, -30.9560

■ 108.3450,  
-15.3540, -30.1220

■ 83.1600, -16.2710,  
-30.0230

■ 57.9040, -18.4260,  
-29.5140

■ 34.5020, -17.2340,

-29.0900

■ 21.7190, -10.1750,  
-19.3510

■ 0.5870, -0.2750,  
-0.5230

■ 216.2370,  
-15.1700, -33.4580

■ 216.2370,  
-15.1700, -33.4580

■ 206.9230,  
-20.5780, -45.5860

■ 225.5510, -9.7620,  
-21.3300

■ 197.3100,  
-26.5820, -57.9260

■ 235.1640, -3.7580,  
-8.9900

■ 187.8820,  
-31.6690, -70.3650

■ 244.5920, 1.3290,  
3.4490

■ 178.2690,  
-37.6730, -82.7050

■ 247.3690, 3.5750,  
6.7990

■ 168.9550,  
-43.0810, -94.8330

■ 159.6410,  
-48.4890, -106.9610

■ 150.0280,  
-54.4930, -119.3010

■ 147.4360,  
-55.8220, -122.7500

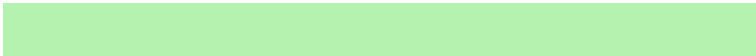
# Harmonies

## Analogous

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



221.7870, 21.5080, -26.3640



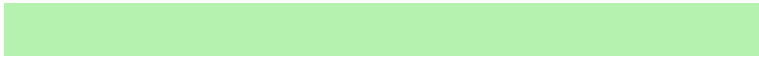
216.2370, -15.1700, -33.4580



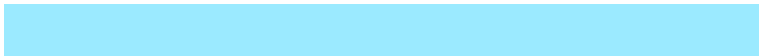
209.3370, -56.4340, -34.5300

# Triad

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



216.2370, -15.1700, -33.4580



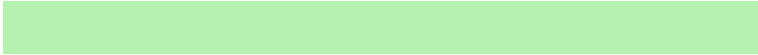
212.7730, -53.8250, -10.2170



215.3850, 33.0090, 13.0170

# Complementary

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



216.2370, -15.1700, -33.4580



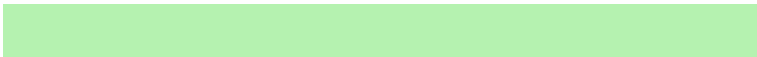
201.7630, 15.1700, 33.4580

# 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.



219.8310, 20.4900, 25.1460



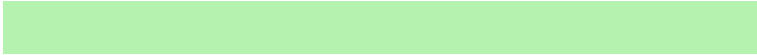
216.2370, -15.1700, -33.4580



223.0820, -14.4900, 9.3020

# Square

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



216.2370, -15.1700, -33.4580



202.2090, -87.8880, -26.1600



226.8240, 13.2000, 25.1040

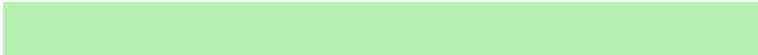


216.9060, 41.1270, -1.9530



# Rectangle

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



216.2370, -15.1700, -33.4580



204.6300, -82.0640, -32.5920



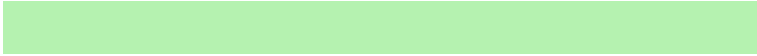
226.8240, 13.2000, 25.1040



216.2800, 29.1110, 17.5830

# Sweetspot

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



216.2370, -15.1700, -33.4580



247.0390, -4.9040, -10.2480



231.5410, 22.5610, -17.9110



122.9300, -2.9790, -6.5870



0.0000, 0.0000, 0.0000

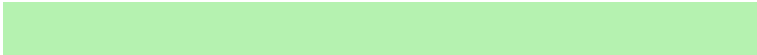


128.0000, -0.0000, -0.0000

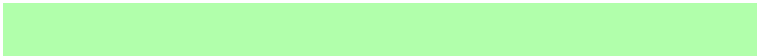


# Same Dimension

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



216.2370, -15.1700, -33.4580



222.1020, -19.5240, -42.6600



217.9340, -27.1380, -25.8100



115.3430, -2.7040, -6.0640



112.1940, -42.2560, -93.2640



34.0680, -13.0160, -28.4400



# Inverse Universe

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



201.7630, 15.1700, 33.4580



203.8980, 19.5240, 42.6600



200.1800, 26.8170, 26.1210



112.6570, 2.7040, 6.0640



71.8060, 42.2560, 93.2640

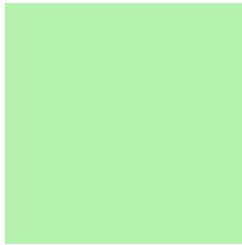


21.9320, 13.0160, 28.4400



# Previews

## White Background



This preview shows how the YIQ color 216.2370, -15.1700, -33.4580 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 216.2370, -15.1700, -33.4580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

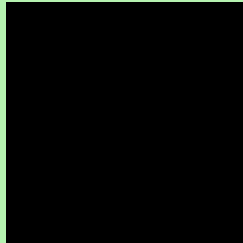
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

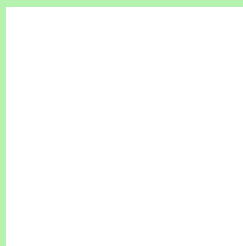
Any Text WCAG AAA ✓ Pass

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

# YIQ 216.2370, -15.1700, -33.4580 Background



This preview shows how black text looks on a background with the YIQ color 216.2370, -15.1700, -33.4580.



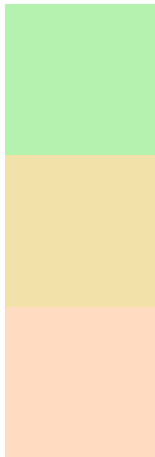
This preview shows how white text looks on a background with the YIQ color 216.2370, -15.1700, -33.4580.

-33.4580.

# 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

216.2370, -15.1700, -33.4580

### Protanopia

224.2860, 27.8330, -14.3350

### Deuteranopia

226.8000, 29.8020, -0.4540



## Tritanopia

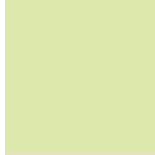
222.8040, -28.7470, -2.1470

# Trichromacy



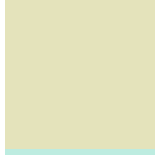
## Original Color

216.2370, -15.1700, -33.4580



## Protanomaly

221.5720, 12.1080, -21.2040



## Deuteranomaly

222.7390, 13.4360, -12.2280



## Tritanomaly

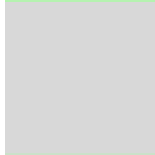
220.5790, -24.1600, -13.6960

# Monochromacy



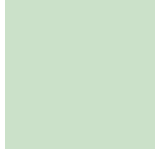
## Original Color

216.2370, -15.1700, -33.4580



## Achromatopsia

216.0000, -0.0000, 0.0000



## Achromatomaly

215.6860, -5.4080, -12.1280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 216.2370, -15.1700, -33.4580 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(181, 242, 176)` looks like.

```
.text, #text, p{  
    color:rgb(181, 242, 176)  
}
```

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(181, 242, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 242, 176) }
```

## Border

The CSS property to change the border of an element to YIQ 216.2370, -15.1700, -33.4580 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(181, 242, 176) }
```



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

```
.border{ border-color:rgb(181, 242, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 242, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 242, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 242, 176);  
box-shadow:4px 4px 4px 4px rgb(181, 242,  
176) }
```

# Background

The CSS property to change the background color of an element to YIQ 216.2370, -15.1700, -33.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 242, 176) }
```

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

```
.background{ background-color: rgb(181,  
242, 176) }
```

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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