

# Converting Colors

YIQ(213.5160, -37.0440,  
-11.4760)

Have a look what the booklet for  
YIQ(213.5160, -37.0440, -11.4760)  
contains.

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# Color

**YIQ(213.5160, -37.0440,  
-11.4760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE7EB
RGB	171, 231, 235
RGB Percent	67%, 91%, 92%
CMY	0.3295, 0.0940, 0.0786
CMYK	0.27, 0.02, 0.00, 0.08
HSL	184°, 61%, 80%
HSV	184°, 27%, 92%
XYZ	60.3596, 71.8158, 89.2488
YIQ	213.5160, -37.0440, -11.4760

# Conversions

## Conversions Part 2

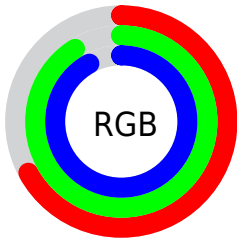
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	171, 202, 235
Decimal	11266027
CIE <sub>Lab</sub>	87.88, -17.98, -8.07
CIE <sub>LCh</sub>	88, 19.712, 204.167
Yxy	71.8158, 0.2726, 0.3243
Android (android.graphics.Color)	4289456107 (0xFFABE7EB)
YUV	213.5160, 10.5916, -37.2865
Hunter-Lab	84.7442, -21.1645, -3.1206

# Details

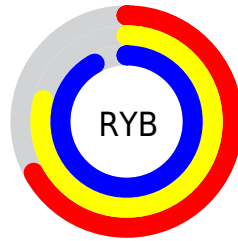
The YIQ color **213.5160, -37.0440, -11.4760** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **192.4840, 37.0440, 11.4760**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **246.9270, -16.0920, -5.7240**, and **158.1140, -35.8520, -11.0520** is the 20% darker color. If you saturate the color by 10%, you get **205.7530, -51.0730, -16.0410**, and if you desaturate by 10%, it is **220.9800, -23.6110, -7.1230**.

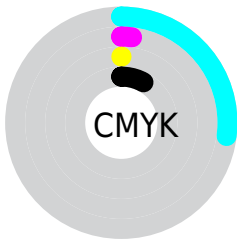
# Distribution



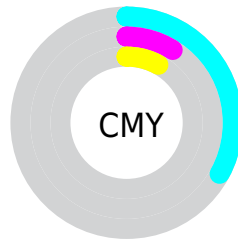
- Red (67%)
- Green (91%)
- Blue (92%)



- Red (67%)
- Yellow (79%)
- Blue (92%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (33%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 213.5160, -37.0440, -11.4760 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 213.5160, -37.0440, -11.4760 by changing the saturation by 10% instead.



■ 213.5160,  
-37.0440, -11.4760

■ 213.5160,  
-37.0440, -11.4760

■ 255.0000, -0.0000,  
-0.0000

■ 185.5160,  
-37.0440, -11.4760

■ 246.9270,  
-16.0920, -5.7240

■ 158.1140,  
-35.8520, -11.0520

■ 131.8150,  
-36.4480, -11.2640

■ 105.8150,  
-36.4480, -11.2640

■ 80.2170, -37.6400,  
-11.6880

■ 52.9280, -44.1960,  
-14.0200

■ 36.2070, -31.6800,

-9.5680

■ 21.4860, -19.1640,  
-5.1160

■ 1.2540, -3.5310,  
3.4210

■ 213.5160,  
-37.0440, -11.4760

■ 213.5160,  
-37.0440, -11.4760

■ 205.7530,  
-51.0730, -16.0410

■ 220.9800,  
-23.6110, -7.1230

■ 197.7020,  
-64.2310, -19.8710

■ 229.3300, -9.8570,  
-3.0810

■ 189.9390,  
-78.2600, -24.4360

■ 236.7940, 3.5760,  
1.2720

■ 181.8880,  
-91.4180, -28.2660

■ 242.1540, 11.3700,  
3.1940

■ 174.1250,  
-105.4470, -32.8310

■ 242.7410, 11.0950,  
2.6710

■ 166.0740,  
-118.6050, -36.6610

■ 243.9150, 10.5450,  
1.6250

■ 158.3110,  
-132.6340, -41.2260

■ 244.5020, 10.2700,  
1.1020

■ 156.5170,  
-136.2100, -42.4980

■ 245.6760, 9.7200,  
0.0560

■ 246.2630, 9.4450,  
-0.4670

# Harmonies

## Analogous

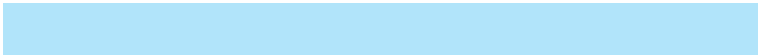
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



213.7420, -26.1770, -15.6890



213.5160, -37.0440, -11.4760



215.2590, -37.4580, -3.9700

# Triad

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



213.5160, -37.0440, -11.4760



223.6180, 7.6080, 16.3120



220.2890, 23.7510, -6.4330

# Complementary

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



213.5160, -37.0440, -11.4760



192.4840, 37.0440, 11.4760

# 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.



222.1640, 31.7730, 2.3730



213.5160, -37.0440, -11.4760



223.9910, 22.5550, 15.2510

# Square

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



213.5160, -37.0440, -11.4760



221.8160, -10.6850, 11.9310



221.8250, 28.6540, 9.3420



218.1730, 9.2180, -12.8780

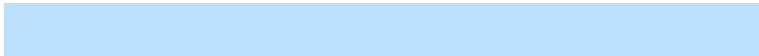


# Rectangle

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



213.5160, -37.0440, -11.4760



217.3570, -31.6820, 1.4860



221.8250, 28.6540, 9.3420



221.1370, 27.2350, -3.4930

# Sweetspot

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



213.5160, -37.0440, -11.4760



248.4330, -11.6450, -3.7170



208.9100, -18.5630, -32.5390



123.5260, -7.4730, -2.2330



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.



213.5160, -37.0440, -11.4760



226.9490, -48.6890, -15.1930



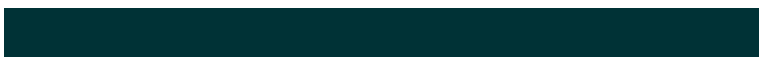
195.3190, -28.5190, 4.7370



113.7110, -6.5560, -2.3320



120.4240, -104.8510, -32.6190



35.5060, -31.0840, -9.3560



# Inverse Universe

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



196.9760, 18.8840, 32.2280



205.1220, 24.7050, 42.3770



210.6810, 28.5190, -4.7370



110.5430, 3.0250, 5.7530



73.4990, 53.3060, 91.2420

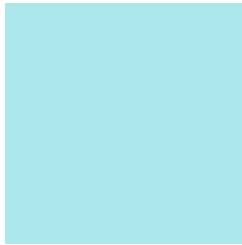


21.8460, 16.1340, 26.9980



# Previews

## White Background



This preview shows how the YIQ color 213.5160, -37.0440, -11.4760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

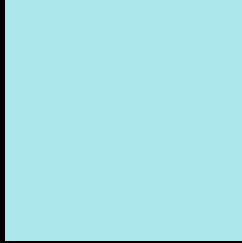
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 213.5160, -37.0440, -11.4760 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 213.5160, -37.0440, -11.4760 Background



This preview shows how black text looks on a background with the YIQ color 213.5160, -37.0440, -11.4760.



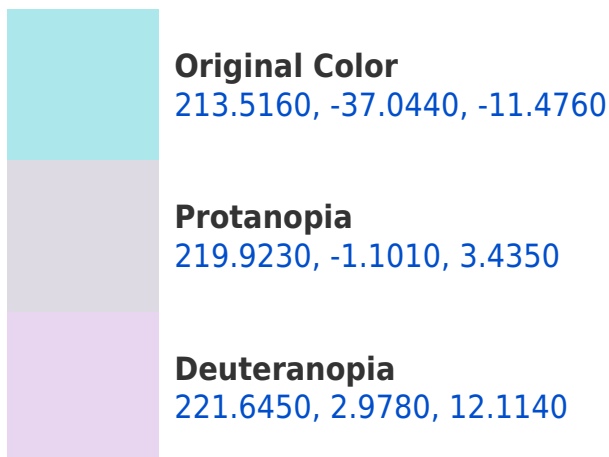
This preview shows how white text looks on a background with the YIQ color 213.5160, -37.0440, -11.4760.

-11.4760.

# 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

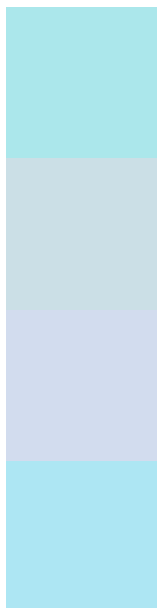




## Tritanopia

214.6070, -38.5580, -6.0620

# Trichromacy



## Original Color

213.5160, -37.0440, -11.4760

## Protanomaly

217.8180, -14.1670, -2.0630

## Deuteranomaly

219.0620, -11.7380, 3.4780

## Tritanomaly

214.4390, -38.1450, -8.0410

# Monochromacy



## Original Color

213.5160, -37.0440, -11.4760

## Achromatopsia

214.0000, -0.0000, 0.0000

## Achromatomaly

213.6500, -13.7540, -4.0420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 213.5160, -37.0440, -11.4760 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(171, 231, 235)` looks like.

```
.text, #text, p{  
    color:rgb(171, 231, 235)  
}
```

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(171, 231, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 231, 235) }
```

## Border

The CSS property to change the border of an element to YIQ 213.5160, -37.0440, -11.4760 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".

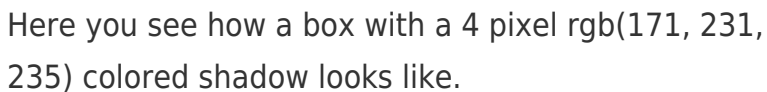
```
.border, #border, table{ border:4px solid rgb(171, 231, 235) }
```



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

```
.border{ border-color:rgb(171, 231, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 231, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 231, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 231, 235);  
box-shadow:4px 4px 4px 4px rgb(171, 231,  
235) }
```

# Background

The CSS property to change the background color of an element to YIQ 213.5160, -37.0440, -11.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 231, 235) }
```

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

```
.background{ background-color: rgb(171,  
231, 235) }
```

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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