

# Converting Colors

YIQ(175.1070, -70.6460,  
-41.2860)

Have a look what the booklet for  
YIQ(175.1070, -70.6460, -41.2860)  
contains.

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# Color

**YIQ(175.1070, -70.6460,  
-41.2860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52DDB7
RGB	82, 221, 183
RGB Percent	32%, 87%, 72%
CMY	0.6788, 0.1331, 0.2826
CMYK	0.63, 0.00, 0.17, 0.13
HSL	164°, 67%, 59%
HSV	164°, 63%, 87%
XYZ	37.8843, 56.9497, 53.7605
YIQ	175.1070, -70.6460, -41.2860

# Conversions

## Conversions Part 2

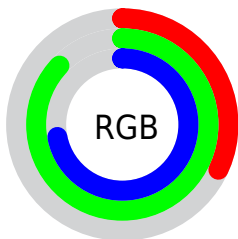
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 163, 221
Decimal	5430711
CIELab	80.15, -46.48, 7.70
CIELCh	80, 47.111, 170.590
Yxy	56.9497, 0.2550, 0.3833
Android (android.graphics.Color)	4283620791 (0xFF52DDB7)
YUV	175.1070, 3.8912, -81.6548
Hunter-Lab	75.4650, -42.4549, 10.5879

# Details

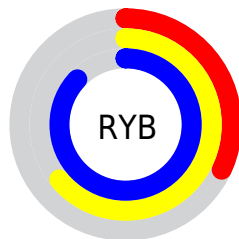
The YIQ color **175.1070, -70.6460, -41.2860** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **127.8930, 70.6460, 41.2860**, and the grayscale version is **175.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **219.9870, -61.0200, -28.5080**, and **111.6750, -87.1050, -45.8650** is the 20% darker color. If you saturate the color by 10%, you get **167.8450, -81.8320, -47.8160**, and if you desaturate by 10%, it is **182.3690, -59.4600, -34.7560**.

# Distribution



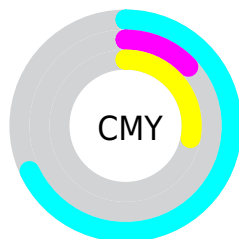
- Red (32%)
- Green (87%)
- Blue (72%)



- Red (32%)
- Yellow (64%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)



- Cyan (68%)
- Magenta (13%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 175.1070, -70.6460, -41.2860 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 175.1070, -70.6460, -41.2860 by changing the saturation by 10% instead.



■ 175.1070,  
-70.6460, -41.2860

■ 175.1070,  
-70.6460, -41.2860

■ 255.0000, -0.0000,  
-0.0000

■ 144.2310,  
-76.9270, -43.0950

■ 219.9870,  
-61.0200, -28.5080

■ 111.6750,  
-87.1050, -45.8650

■ 231.0800,  
-47.6800, -16.9600

■ 92.9760, -71.6550,  
-39.5190

■ 240.0500,  
-29.8000, -10.6000

■ 74.9780, -56.8010,  
-33.3850

■ 249.0200,  
-11.9200, -4.2400

■ 57.0940, -42.2680,  
-26.9400

■ 40.4980, -28.6060,  
-21.2300

■ 25.7770, -16.0900,

-16.7780

■ 0.5870, -0.2750,  
-0.5230

■ 0.0000, 0.0000,  
0.0000

■ 175.1070,  
-70.6460, -41.2860

■ 175.1070,  
-70.6460, -41.2860

■ 167.8450,  
-81.8320, -47.8160

■ 182.3690,  
-59.4600, -34.7560

■ 160.5830,  
-93.0180, -54.3460

■ 189.6310,  
-48.2740, -28.2260

■ 153.3210,  
-104.2040, -60.8760

■ 196.8930,  
-37.0880, -21.6960

■ 147.9670,  
-112.1350, -65.8230

■ 204.1550,  
-25.9020, -15.1660

■ 211.4170,  
-14.7160, -8.6360

■ 218.9780, -2.9340,  
-1.8940

■ 226.2400, 8.2520,  
4.6360

■ 232.3060, 17.0540,  
10.3180

■ 232.9900, 15.1280,  
12.1840

# Harmonies

## Analogous

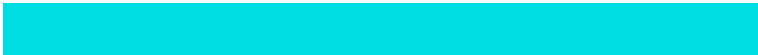
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



186.5200, -17.6450, -38.1650



175.1070, -70.6460, -41.2860



156.3060, -134.2380, -45.1980

# Triad

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



175.1070, -70.6460, -41.2860



196.7790, -26.4580, 16.9500



194.6050, 61.2080, 3.0640

# Complementary

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



175.1070, -70.6460, -41.2860



127.8930, 70.6460, 41.2860

# 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.



192.4800, 52.0350, 20.6350



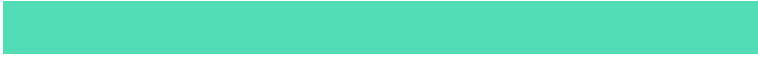
175.1070, -70.6460, -41.2860



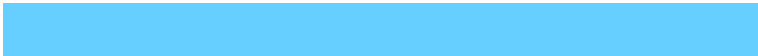
204.1420, 12.7850, 38.1370

# Square

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



175.1070, -70.6460, -41.2860



181.0770, -77.9880, -7.3320



197.6100, 37.5900, 34.6300



196.2320, 54.2880, -14.7040

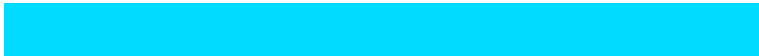


# Rectangle

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



175.1070, -70.6460, -41.2860



157.6230, -142.0800, -35.2320



197.6100, 37.5900, 34.6300



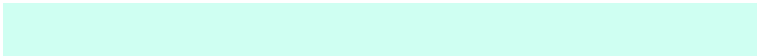
193.0380, 58.7310, 9.4110

# Sweetspot

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



175.1070, -70.6460, -41.2860



239.1660, -24.4350, -14.2190



175.2540, -14.9810, -64.4290



118.0040, -14.9910, -9.1590



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.



175.1070, -70.6460, -41.2860



190.9520, -98.6110, -57.6110



161.8290, -74.5940, -13.7780



106.3690, -5.5930, -3.2650



115.9150, -88.0210, -51.2930



30.7640, -23.2430, -13.7950



# Inverse Universe

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



127.8930, 70.6460, 41.2860



125.0480, 98.6110, 57.6110



141.1710, 74.5940, 13.7780



102.6310, 5.5930, 3.2650



57.1990, 87.7000, 51.6040

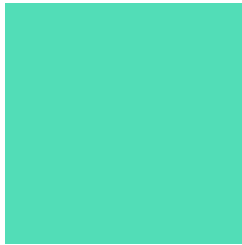


15.2360, 23.2430, 13.7950



# Previews

## White Background



This preview shows how the YIQ color 175.1070, -70.6460, -41.2860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

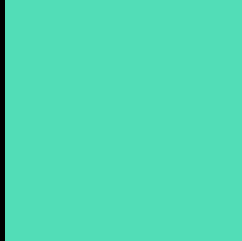
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 175.1070, -70.6460, -41.2860 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

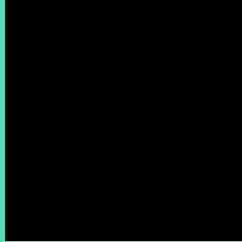
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

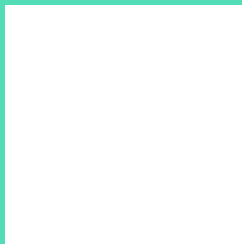
Any Text WCAG AAA ✓ Pass

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

# YIQ 175.1070, -70.6460, -41.2860 Background



This preview shows how black text looks on a background with the YIQ color 175.1070, -70.6460, -41.2860.



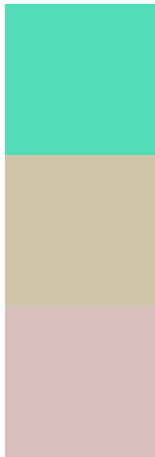
This preview shows how white text looks on a background with the YIQ color 175.1070, -70.6460, -41.2860.

-41.2860.

# 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

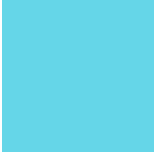
175.1070, -70.6460, -41.2860

### Protanopia

196.9120, 14.6270, -6.2770

### Deuteranopia

199.2580, 17.0090, 5.6250



## **Tritanopia**

182.2650, -73.1260, -18.3580

# Trichromacy



## Original Color

175.1070, -70.6460, -41.2860



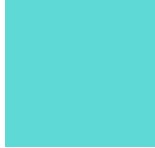
## Protanomaly

189.3100, -16.2730, -18.9690



## Deuteranomaly

190.4230, -14.8530, -11.6610



## Tritanomaly

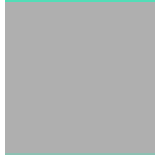
179.8810, -72.3450, -27.0090

# Monochromacy



## Original Color

175.1070, -70.6460, -41.2860



## Achromatopsia

175.0000, -0.0000, -0.0000



## Achromatomaly

175.1550, -25.9020, -15.1660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 175.1070, -70.6460, -41.2860 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(82, 221, 183)` looks like.

```
.text, #text, p{  
    color:rgb(82, 221, 183)  
}
```

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(82, 221, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 221, 183) }
```

## Border

The CSS property to change the border of an element to YIQ 175.1070, -70.6460, -41.2860 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(82, 221, 183) }
```



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

```
.border{ border-color:rgb(82, 221, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 221, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 221, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 221, 183);  
box-shadow:4px 4px 4px 4px rgb(82, 221,  
183) }
```

# Background

The CSS property to change the background color of an element to YIQ 175.1070, -70.6460, -41.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 221, 183) }
```

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

```
.background{ background-color: rgb(82, 221,  
183) }
```

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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