

# Converting Colors

YIQ(175.8400, -65.1000,  
-31.6600)

Have a look what the booklet for  
YIQ(175.8400, -65.1000, -31.6600)  
contains.

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# Color

**YIQ(175.8400, -65.1000,  
-31.6600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ED6C2
RGB	94, 214, 194
RGB Percent	37%, 84%, 76%
CMY	0.6317, 0.1606, 0.2395
CMYK	0.56, 0.00, 0.09, 0.16
HSL	170°, 59%, 60%
HSV	170°, 56%, 84%
XYZ	38.3983, 54.3866, 59.4763
YIQ	175.8400, -65.1000, -31.6600

# Conversions

## Conversions Part 2

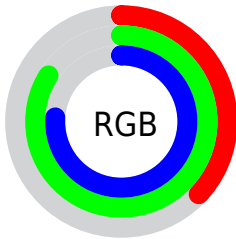
Format	Color
<a href="#">RYB</a>	<a href="#">94, 159, 214</a>
Decimal	<a href="#">6215362</a>
CIELab	<a href="#">78.69, -38.51, -0.24</a>
CIELCh	<a href="#">79, 38.508, 180.353</a>
Yxy	<a href="#">54.3866, 0.2522, 0.3572</a>
Android (android.graphics.Color)	<a href="#">4284405442</a> ( <a href="#">0xFF5ED6C2</a> )
YUV	<a href="#">175.8400, 8.9529, -71.7737</a>
Hunter-Lab	<a href="#">73.7473, -36.1174, 3.8064</a>

# Details

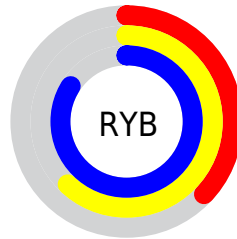
The YIQ color **175.8400, -65.1000, -31.6600** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **132.1600, 65.1000, 31.6600**, and the grayscale version is **176.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **224.2310, -58.5910, -22.9670**, and **114.1910, -79.4500, -35.9140** is the 20% darker color. If you saturate the color by 10%, you get **169.1050, -76.3320, -37.3560**, and if you desaturate by 10%, it is **182.5750, -53.8680, -25.9640**.

# Distribution



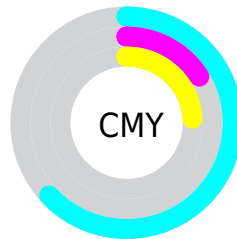
- Red (37%)
- Green (84%)
- Blue (76%)



- Red (37%)
- Yellow (62%)
- Blue (84%)



- Cyan (56%)
- Magenta (0%)
- Yellow (9%)
- Black (16%)




- Cyan (63%)
- Magenta (16%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 175.8400, -65.1000, -31.6600 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 175.8400, -65.1000, -31.6600 by changing the saturation by 10% instead.





 175.8400,  
-65.1000, -31.6600


 175.8400,  
-65.1000, -31.6600


255.0000, -0.0000,  
-0.0000


 146.4590,  
-68.4010, -32.4090


 224.2310,  
-58.5910, -22.9670


 114.0770,  
-79.1290, -36.2250


 233.4720,  
-42.9120, -15.2640


 90.5940, -73.2150,  
-33.2710

 242.4420,  
-25.0320, -8.9040

 72.4820, -58.0400,  
-27.4480

 251.4120, -7.1520,  
-2.5440

 55.1850, -43.7820,  
-21.5260

 38.5890, -30.1200,  
-15.8160

 24.4550, -17.8790,

-11.8870

■ 0.0000, 0.0000,  
0.0000

■ 175.8400,  
-65.1000, -31.6600

■ 175.8400,  
-65.1000, -31.6600

■ 169.1050,  
-76.3320, -37.3560

■ 182.5750,  
-53.8680, -25.9640

■ 162.1850,  
-88.4810, -42.9530

■ 189.4950,  
-41.7190, -20.3670

■ 155.4500,  
-99.7130, -48.6490

■ 196.2300,  
-30.4870, -14.6710

■ 148.5300,  
-111.8620, -54.2460

■ 203.1500,  
-18.3380, -9.0740

■ 145.9100,  
-115.9880, -56.5640

■ 209.8850, -7.1060,  
-3.3780

■ 216.5060, 4.4470,  
2.0070

■ 223.5400, 16.2750,  
7.9150

■ 227.2850, 21.5470,  
11.4910

■ 227.6270, 20.5840,  
12.4240

# Harmonies

## Analogous

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



183.4300, -25.8990, -31.7470



175.8400, -65.1000, -31.6600



169.7890, -95.4530, -26.7250

# Triad

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



175.8400, -65.1000, -31.6600



197.4650, -13.5300, 24.9500



195.0880, 55.2940, 0.1100

# Complementary

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



175.8400, -65.1000, -31.6600



132.1600, 65.1000, 31.6600

# 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.



194.2750, 53.8700, 14.9100



175.8400, -65.1000, -31.6600



199.6450, 21.3140, 32.2420

# Square

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



175.8400, -65.1000, -31.6600



188.6510, -49.8850, 6.4910



196.6180, 43.1390, 27.6750



192.4950, 37.3700, -16.4700



# Rectangle

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



175.8400, -65.1000, -31.6600



173.4830, -94.1710, -16.9150



196.6180, 43.1390, 27.6750



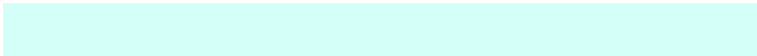
195.6310, 58.3190, 5.8630

# Sweetspot

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



175.8400, -65.1000, -31.6600



241.3450, -23.3810, -11.2930



171.0180, -19.8880, -58.0960



119.6560, -13.8910, -7.0670



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.



175.8400, -65.1000, -31.6600



200.5650, -92.6070, -45.2710



155.8140, -61.0700, -5.5660



103.4830, -5.9140, -2.9540



116.5650, -92.6070, -45.2710



29.3450, -23.3810, -11.2930



# Inverse Universe

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



132.1600, 65.1000, 31.6600



138.4350, 92.6070, 45.2710



152.1860, 61.0700, 5.5660



99.5170, 5.9140, 2.9540



54.4350, 92.6070, 45.2710

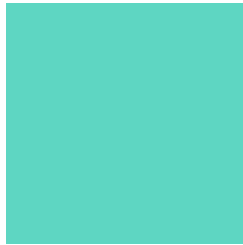


13.6550, 23.3810, 11.2930



# Previews

## White Background



This preview shows how the YIQ color 175.8400, -65.1000, -31.6600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

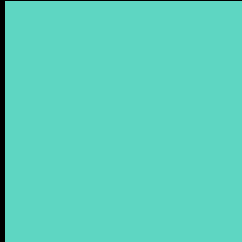
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 175.8400, -65.1000, -31.6600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

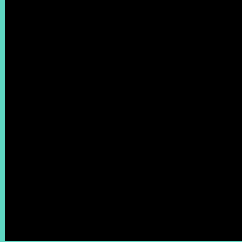
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

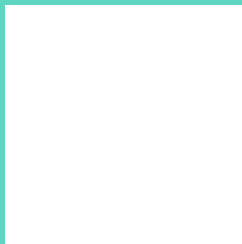
Any Text WCAG AAA ✓ Pass

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

# YIQ 175.8400, -65.1000, -31.6600 Background



This preview shows how black text looks on a background with the YIQ color 175.8400, -65.1000, -31.6600.



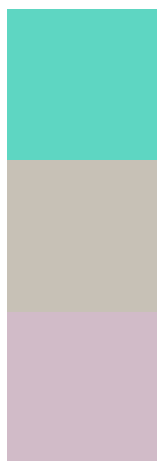
This preview shows how white text looks on a background with the YIQ color 175.8400, -65.1000, -31.6600.

-31.6600.

# 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

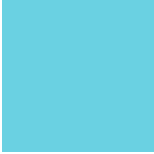
175.8400, -65.1000, -31.6600

### Protanopia

193.5400, 7.1070, -2.1490

### Deuteranopia

195.0600, 8.9390, 8.7070



## **Tritanopia**

180.1410, -66.8450, -16.5490

# Trichromacy



## Original Color

175.8400, -65.1000, -31.6600



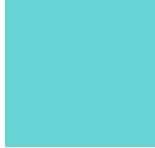
## Protanomaly

187.3300, -19.0250, -13.1450



## Deuteranomaly

188.1440, -18.2010, -6.0490



## Tritanomaly

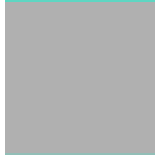
178.7510, -65.9270, -22.1750

# Monochromacy



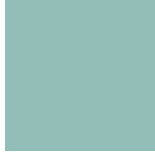
## Original Color

175.8400, -65.1000, -31.6600



## Achromatopsia

176.0000, -0.0000, -0.0000



## Achromatomaly

176.0460, -23.9770, -11.5050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 175.8400, -65.1000, -31.6600 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(94, 214, 194)` looks like.

```
.text, #text, p{  
    color:rgb(94, 214, 194)  
}
```

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(94, 214, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 214, 194) }
```

## Border

The CSS property to change the border of an element to YIQ 175.8400, -65.1000, -31.6600 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(94, 214, 194) }
```



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

```
.border{ border-color:rgb(94, 214, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 214, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 214, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 214, 194);  
box-shadow:4px 4px 4px 4px rgb(94, 214,  
194) }
```

# Background

The CSS property to change the background color of an element to YIQ 175.8400, -65.1000, -31.6600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 214, 194) }
```

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

```
.background{ background-color: rgb(94, 214,  
194) }
```

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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