

# Converting Colors

YIQ(195.9460, -36.5800,  
-41.9240)

Have a look what the booklet for  
YIQ(195.9460, -36.5800, -41.9240)  
contains.

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# Color

**YIQ(195.9460, -36.5800,  
-41.9240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E9A5
RGB	135, 233, 165
RGB Percent	53%, 91%, 65%
CMY	0.4709, 0.0861, 0.3530
CMYK	0.42, 0.00, 0.29, 0.09
HSL	138°, 69%, 72%
HSV	138°, 42%, 91%
XYZ	45.9203, 66.1619, 45.9363
YIQ	195.9460, -36.5800, -41.9240

# Conversions

## Conversions Part 2

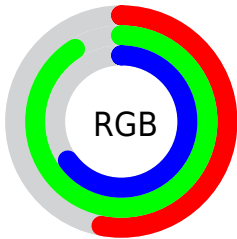
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 210, 233
Decimal	8907173
CIELab	85.08, -43.35, 24.27
CIELCh	85, 49.681, 150.754
Yxy	66.1619, 0.2906, 0.4187
Android (android.graphics.Color)	4287097253 (0xFF87E9A5)
YUV	195.9460, -15.2564, -53.4496
Hunter-Lab	81.3400, -41.5732, 23.4542

# Details

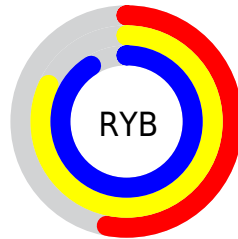
The YIQ color **195.9460, -36.5800, -41.9240** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **172.0540, 36.5800, 41.9240**, and the grayscale version is **196.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **232.1730, -26.3130, -24.2410**, and **140.4020, -37.8640, -40.6800** is the 20% darker color. If you saturate the color by 10%, you get **187.2450, -45.1520, -51.7760**, and if you desaturate by 10%, it is **204.6470, -28.0080, -32.0720**.

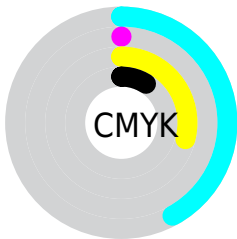
# Distribution



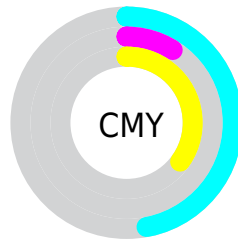
- Red (53%)
- Green (91%)
- Blue (65%)



- Red (53%)
- Yellow (82%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 195.9460, -36.5800, -41.9240 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 195.9460, -36.5800, -41.9240 by changing the saturation by 10% instead.



■ 195.9460,  
-36.5800, -41.9240

■ 195.9460,  
-36.5800, -41.9240

■ 255.0000, -0.0000,  
-0.0000

■ 168.0600,  
-36.9010, -41.6130

■ 232.1730,  
-26.3130, -24.2410

■ 140.4020,  
-37.8640, -40.6800

■ 244.1500,  
-18.3380, -9.0740

■ 112.7330,  
-40.2940, -40.6940

■ 253.8040, -2.3840,  
-0.8480

■ 80.9920, -51.3890,  
-43.3650

■ 62.2000, -40.1110,  
-38.5030

■ 45.0170, -26.1740,  
-32.2700

■ 28.7630, -13.4750,

-25.6270

■ 15.2620, -7.1500,  
-13.5980

■ 0.0000, 0.0000,  
0.0000

■ 195.9460,  
-36.5800, -41.9240

■ 195.9460,  
-36.5800, -41.9240

■ 187.2450,  
-45.1520, -51.7760

■ 204.6470,  
-28.0080, -32.0720

■ 178.2450,  
-54.3200, -61.8400

■ 213.6470,  
-18.8400, -22.0080

■ 169.4300,  
-62.5710, -72.0030

■ 222.3480,  
-10.2680, -12.1560

■ 160.7290,  
-71.1430, -81.8550

■ 231.1630, -2.0170,  
-1.9930

■ 151.7290,  
-80.3110, -91.9190

■ 239.8640, 6.5550,  
7.8590

■ 144.8650,  
-86.8660, -99.7780

■ 242.0860, 6.0500,  
11.5060

# Harmonies

## Analogous

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



203.7160, 11.1020, -36.0180



195.9460, -36.5800, -41.9240



179.4330, -101.0430, -46.5710

# Triad

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



195.9460, -36.5800, -41.9240



198.6080, -57.4940, -4.2940



200.3560, 49.1480, 12.3800

# Complementary

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



195.9460, -36.5800, -41.9240



172.0540, 36.5800, 41.9240

# 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.



203.2520, 35.4820, 28.7780



195.9460, -36.5800, -41.9240



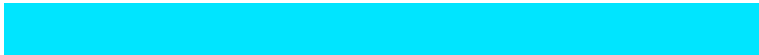
211.9510, -6.3310, 21.1330

# Square

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



195.9460, -36.5800, -41.9240



163.4930, -144.8300, -40.4620



212.7360, 19.8000, 37.6560



205.1710, 56.2580, -6.3500



# Rectangle

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



195.9460, -36.5800, -41.9240



166.9350, -143.4990, -48.0670



212.7360, 19.8000, 37.6560



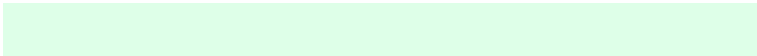
200.8920, 44.8830, 18.0910

# Sweetspot

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



195.9460, -36.5800, -41.9240



242.5110, -12.2850, -14.1490



213.1570, 14.1740, -36.6260



120.0110, -7.7010, -9.1170



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.



195.9460, -36.5800, -41.9240



205.8700, -48.5900, -55.5500



201.4180, -51.9880, -26.9960



112.7990, -3.9880, -4.8200



112.5170, -67.4300, -77.5580



33.5220, -19.9860, -23.2660



# Inverse Universe

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



172.0540, 36.5800, 41.9240



174.1300, 48.5900, 55.5500



166.5820, 51.9880, 26.9960



110.2010, 3.9880, 4.8200



68.4830, 67.4300, 77.5580

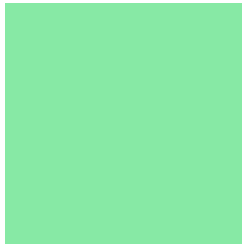


20.3640, 20.3070, 22.9550



# Previews

## White Background



This preview shows how the YIQ color 195.9460, -36.5800, -41.9240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

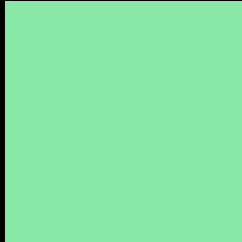
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 195.9460, -36.5800, -41.9240 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 195.9460, -36.5800, -41.9240 Background



This preview shows how black text looks on a background with the YIQ color 195.9460, -36.5800, -41.9240.



This preview shows how white text looks on a background with the YIQ color 195.9460, -36.5800, -41.9240.

-41.9240.

# 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

195.9460, -36.5800, -41.9240

### Protanopia

209.4000, 27.5120, -14.0240

### Deuteranopia

212.0240, 34.9830, -0.7370



## Tritanopia

203.8230, -48.0940, -9.4540

# Trichromacy



## Original Color

195.9460, -36.5800, -41.9240



## Protanomaly

204.6850, 4.3600, -23.9600



## Deuteranomaly

206.1790, 9.0810, -15.9030



## Tritanomaly

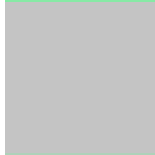
201.1850, -43.7820, -21.5260

# Monochromacy



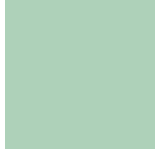
## Original Color

195.9460, -36.5800, -41.9240



## Achromatopsia

196.0000, -0.0000, -0.0000



## Achromatomaly

195.7990, -13.1560, -14.8840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 195.9460, -36.5800, -41.9240 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(135, 233, 165)` looks like.

```
.text, #text, p{  
    color:rgb(135, 233, 165)  
}
```

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(135, 233, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 233, 165) }
```

## Border

The CSS property to change the border of an element to YIQ 195.9460, -36.5800, -41.9240 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(135, 233, 165) }
```



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

```
.border{ border-color:rgb(135, 233, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 233, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 233, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 233, 165);  
box-shadow:4px 4px 4px 4px rgb(135, 233,  
165) }
```

# Background

The CSS property to change the background color of an element to YIQ 195.9460, -36.5800, -41.9240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 233, 165) }
```

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

```
.background{ background-color: rgb(135,  
233, 165) }
```

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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