

# Converting Colors

YIQ(198.5390, -27.8240,  
-35.4080)

Have a look what the booklet for  
YIQ(198.5390, -27.8240, -35.4080)  
contains.

<b>YIQ(198.5390, -27.8240, -35.4080)</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(198.5390, -27.8240,  
-35.4080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96E5A9
RGB	150, 229, 169
RGB Percent	59%, 90%, 66%
CMY	0.4120, 0.1018, 0.3373
CMYK	0.35, 0.00, 0.26, 0.10
HSL	134°, 60%, 74%
HSV	134°, 35%, 90%
XYZ	47.7555, 65.3995, 47.6345
YIQ	198.5390, -27.8240, -35.4080

# Conversions

## Conversions Part 2

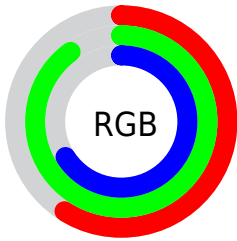
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 214, 229
Decimal	9889193
CIELab	84.69, -36.51, 21.77
CIELCh	85, 42.510, 149.188
Yxy	65.3995, 0.2970, 0.4067
Android (android.graphics.Color)	4288079273 (0xFF96E5A9)
YUV	198.5390, -14.5627, -42.5687
Hunter-Lab	80.8699, -36.1142, 21.6856

# Details

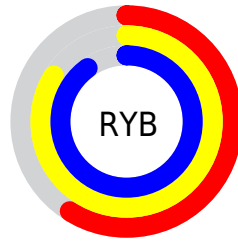
The YIQ color **198.5390, -27.8240, -35.4080** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **180.4610, 27.8240, 35.4080**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **236.8150, -19.2530, -20.0290**, and **143.5930, -27.9160, -33.7400** is the 20% darker color. If you saturate the color by 10%, you get **189.7240, -36.0750, -45.5710**, and if you desaturate by 10%, it is **207.3540, -19.5730, -25.2450**.

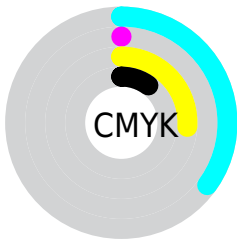
# Distribution



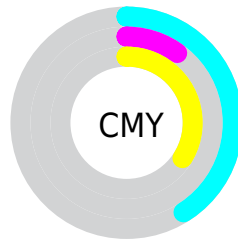
- Red (59%)
- Green (90%)
- Blue (66%)



- Red (59%)
- Yellow (84%)
- Blue (90%)



- Cyan (35%)
- Magenta (0%)
- Yellow (26%)
- Black (10%)




- Cyan (41%)
- Magenta (10%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 198.5390, -27.8240, -35.4080 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 198.5390, -27.8240, -35.4080 by changing the saturation by 10% instead.





 198.5390,  
-27.8240, -35.4080

 198.5390,  
-27.8240, -35.4080


255.0000, -0.0000,  
-0.0000


 170.9520,  
-27.5490, -34.8850


 236.8150,  
-19.2530, -20.0290


 143.5930,  
-27.9160, -33.7400

 248.7920,  
-11.2780, -4.8620

 116.8210,  
-28.5580, -33.1180

 90.4510, -30.3920,  
-32.9200

 61.7920, -38.7820,  
-35.0540

 43.7120, -26.6330,  
-29.4570

 27.5890, -12.9250,

-24.5810

■ 14.6750, -6.8750,  
-13.0750

■ 0.0000, 0.0000,  
0.0000

■ 198.5390,  
-27.8240, -35.4080

■ 198.5390,  
-27.8240, -35.4080

■ 189.7240,  
-36.0750, -45.5710

■ 207.3540,  
-19.5730, -25.2450

■ 180.7950,  
-44.0050, -56.0450

■ 216.2830,  
-11.6430, -14.7710

■ 171.9800,  
-52.2560, -66.2080

■ 225.0980, -3.3920,  
-4.6080

■ 163.0510,  
-60.1860, -76.6820

■ 234.0270, 4.5380,  
5.8660

■ 154.2360,  
-68.4370, -86.8450

■ 239.7380, 7.1500,  
13.5980

■ 145.7200,  
-76.0920, -96.7960

■ 140.6930,  
-80.6300, -102.6620

# Harmonies

## Analogous

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



204.5900, 11.6970, -30.2790



198.5390, -27.8240, -35.4080



189.8990, -72.7560, -36.0840

# Triad

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



198.5390, -27.8240, -35.4080



201.3100, -50.6630, -1.4390



204.0890, 45.5260, 11.9420

# Complementary

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



198.5390, -27.8240, -35.4080



180.4610, 27.8240, 35.4080

# 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.



206.8880, 33.5110, 25.9510



198.5390, -27.8240, -35.4080



211.3420, -8.9900, 19.7620

# Square

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



198.5390, -27.8240, -35.4080



187.1470, -93.3450, -20.8730



215.4430, 19.0670, 34.4190



207.1260, 52.1310, -3.1410



# Rectangle

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



198.5390, -27.8240, -35.4080



183.1100, -101.0910, -34.6830



215.4430, 19.0670, 34.4190



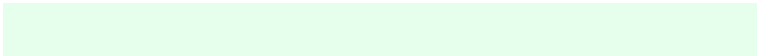
203.8100, 42.1780, 17.5540

# Sweetspot

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



198.5390, -27.8240, -35.4080



245.3590, -8.8010, -11.2090



214.6120, 14.6310, -28.3850



121.8480, -5.6840, -7.1240



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

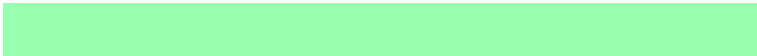


# Same Dimension

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



198.5390, -27.8240, -35.4080



214.5990, -37.2210, -46.8290



202.9850, -40.3430, -23.2790



110.3860, -4.2630, -5.3430



109.9750, -63.0280, -80.2440



31.3050, -17.8770, -22.9410



# Inverse Universe

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



180.4610, 27.8240, 35.4080



190.5150, 36.9000, 47.1400



176.0150, 40.3430, 23.2790



107.6140, 4.2630, 5.3430



69.0250, 63.0280, 80.2440

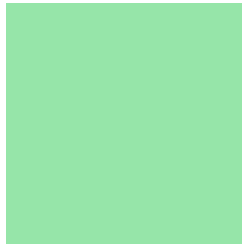


19.6950, 17.8770, 22.9410



# Previews

## White Background



This preview shows how the YIQ color 198.5390, -27.8240, -35.4080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

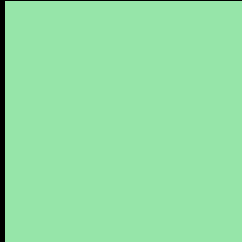
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 198.5390, -27.8240, -35.4080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

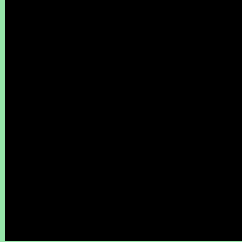
Any Text WCAG AA ✓ Pass

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 198.5390, -27.8240, -35.4080 Background



This preview shows how black text looks on a background with the YIQ color 198.5390, -27.8240, -35.4080.



This preview shows how white text looks on a background with the YIQ color 198.5390, -27.8240, -35.4080.

-35.4080.

# 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

198.5390, -27.8240, -35.4080

### Protanopia

208.7850, 24.9900, -12.3700

### Deuteranopia

211.1810, 33.1030, 0.2950



## Tritanopia

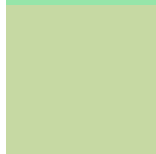
205.3080, -39.1540, -6.2740

# Trichromacy



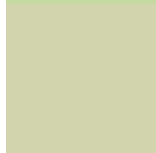
## Original Color

198.5390, -27.8240, -35.4080



## Protanomaly

205.1630, 6.0100, -20.8220



## Deuteranomaly

206.6570, 10.7310, -12.7650



## Tritanomaly

202.7240, -34.9340, -16.6780

# Monochromacy



## Original Color

198.5390, -27.8240, -35.4080



## Achromatopsia

199.0000, -0.0000, 0.0000



## Achromatomaly

198.8210, -10.2220, -12.9900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 198.5390, -27.8240, -35.4080 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(150, 229, 169)` looks like.

```
.text, #text, p{  
    color:rgb(150, 229, 169)  
}
```

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(150, 229, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 229, 169) }
```

## Border

The CSS property to change the border of an element to YIQ 198.5390, -27.8240, -35.4080 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(150, 229, 169) }
```



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

```
.border{ border-color:rgb(150, 229, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 229, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 229, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 229, 169); box-shadow:4px 4px 4px 4px rgb(150, 229, 169) }
```

# Background

The CSS property to change the background color of an element to YIQ 198.5390, -27.8240, -35.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 229, 169) }
```

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

```
.background{ background-color: rgb(150,  
229, 169) }
```

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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