

Converting Colors

YIQ(196.8760, -39.5590,
-48.5110)

Have a look what the booklet for
YIQ(196.8760, -39.5590, -48.5110)
contains.

YIQ(196.8760, -39.5590, -48.5110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(196.8760, -39.5590,
-48.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	81EF9E
RGB	129, 239, 158
RGB Percent	51%, 94%, 62%
CMY	0.4944, 0.0625, 0.3805
CMYK	0.46, 0.00, 0.34, 0.06
HSL	136°, 78%, 72%
HSV	136°, 46%, 94%
XYZ	46.0906, 68.8886, 43.2045
YIQ	196.8760, -39.5590, -48.5110

Conversions

Conversions Part 2

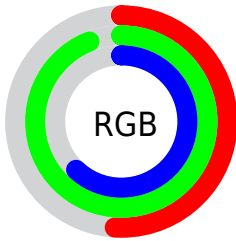
Format	Color
RYB	129, 216, 239
Decimal	8515486
CIELab	86.45, -48.77, 29.67
CIELCh	86, 57.085, 148.685
Yxy	68.8886, 0.2914, 0.4355
Android (android.graphics.Color)	4286705566 (0xFF81EF9E)
YUV	196.8760, -19.1659, -59.5273
Hunter-Lab	82.9992, -46.1250, 27.2365

Details

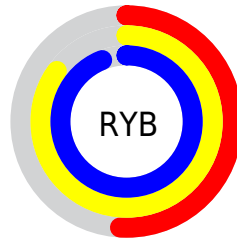
The YIQ color **196.8760, -39.5590, -48.5110** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **171.1240, 39.5590, 48.5110**, and the grayscale version is **197.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **229.8800, -27.0460, -27.4780**, and **139.8480, -42.3560, -47.3800** is the 20% darker color. If you saturate the color by 10%, you get **187.6480, -48.0850, -59.1970**, and if you desaturate by 10%, it is **206.1040, -31.0330, -37.8250**.

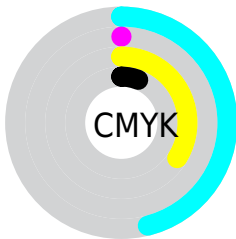
Distribution



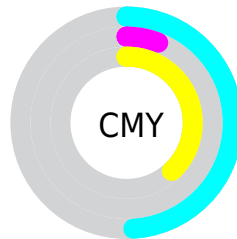
- Red (51%)
- Green (94%)
- Blue (62%)



- Red (51%)
- Yellow (85%)
- Blue (94%)



- Cyan (46%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)



- Cyan (49%)
- Magenta (6%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 196.8760, -39.5590, -48.5110 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 196.8760, -39.5590, -48.5110 by changing the saturation by 10% instead.

■ 196.8760,
-39.5590, -48.5110

■ 196.8760,
-39.5590, -48.5110

■ 255.0000, -0.0000,
-0.0000

■ 168.2180,
-40.5220, -47.5780

■ 229.8800,
-27.0460, -27.4780

■ 139.8480,
-42.3560, -47.3800

■ 241.8570,
-19.0710, -12.3110

■ 110.9830,
-47.1700, -48.2420

■ 252.3090, -5.3640,
-1.9080

■ 81.6340, -53.4970,
-49.2170

■ 63.7500, -38.9640,
-42.7720

■ 46.3390, -24.3850,
-37.1610

■ 31.1110, -14.5750,

-27.7190

■ 18.1970, -8.5250,
-16.2130

■ 0.0000, 0.0000,
0.0000

■ 196.8760,
-39.5590, -48.5110

■ 196.8760,
-39.5590, -48.5110

■ 187.6480,
-48.0850, -59.1970

■ 206.1040,
-31.0330, -37.8250

■ 178.5340,
-56.9320, -69.5720

■ 215.2180,
-22.1860, -27.4500

■ 169.3060,
-65.4580, -80.2580

■ 224.4460,
-13.6600, -16.7640

■ 160.1920,
-74.3050, -90.6330

■ 233.5600, -4.8130,
-6.3890

■ 150.9640,
-82.8310, -101.3190

■ 242.4890, 3.1170,
4.0850

■ 147.4750,
-85.9480, -105.4040

■ 245.6080, 4.4000,
8.3680

Harmonies

Analogous

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



206.4790, 15.9630, -41.5170



196.8760, -39.5590, -48.5110



167.3960, -135.1520, -61.6800

Triad

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



196.8760, -39.5590, -48.5110



194.9540, -73.4480, -12.5200



198.5950, 49.9730, 13.9490

Complementary

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



196.8760, -39.5590, -48.5110



171.1240, 39.5590, 48.5110

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.



202.4030, 33.7390, 32.8350



196.8760, -39.5590, -48.5110



213.1140, -8.3480, 19.1400

Square

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



196.8760, -39.5590, -48.5110



167.6020, -146.7550, -44.1230



212.7360, 19.8000, 37.6560



203.7860, 58.7800, -8.0040

Rectangle

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



196.8760, -39.5590, -48.5110



171.6140, -147.0290, -50.1730



212.7360, 19.8000, 37.6560



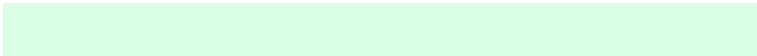
198.8860, 45.0200, 21.1160

Sweetspot

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



196.8760, -39.5590, -48.5110



241.2720, -13.1100, -15.7180



218.3870, 19.2180, -39.9340



119.5980, -7.9760, -9.6400



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.



196.8760, -39.5590, -48.5110



201.3980, -50.3770, -61.7130



203.0320, -56.8930, -31.7170



115.3860, -4.2630, -5.3430



113.4800, -66.0080, -81.3040



34.5820, -20.2150, -24.6230

Inverse Universe

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



171.1240, 39.5590, 48.5110



168.6020, 50.3770, 61.7130



164.9680, 56.8930, 31.7170



112.6140, 4.2630, 5.3430



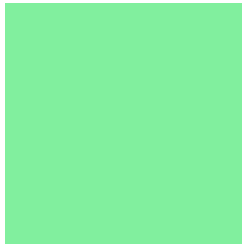
70.4060, 66.3290, 80.9930



21.4180, 20.2150, 24.6230

Previews

White Background



This preview shows how the YIQ color 196.8760, -39.5590, -48.5110 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 196.8760, -39.5590, -48.5110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

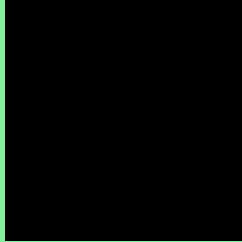
Any Text WCAG AA ✓ Pass

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 196.8760, -39.5590, -48.5110 Background



This preview shows how black text looks on a background with the YIQ color 196.8760, -39.5590, -48.5110.



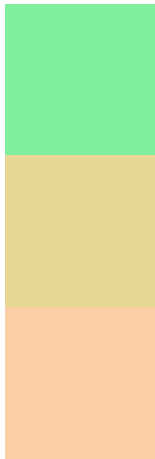
This preview shows how white text looks on a background with the YIQ color 196.8760, -39.5590, -48.5110.

-48.5110.

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

196.8760, -39.5590, -48.5110

Protanopia

212.4450, 31.6390, -17.2330

Deuteranopia

215.0800, 40.5770, -2.9990



Tritanopia

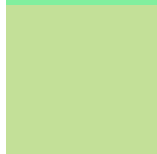
206.4310, -52.8620, -11.1500

Trichromacy



Original Color

196.8760, -39.5590, -48.5110



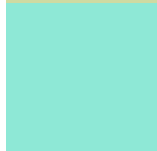
Protanomaly

207.1210, 5.8280, -28.5400



Deuteranomaly

208.3270, 11.4200, -19.7480



Tritanomaly

203.0380, -47.8620, -24.6780

Monochromacy



Original Color

196.8760, -39.5590, -48.5110



Achromatopsia

197.0000, -0.0000, -0.0000



Achromatomaly

196.7340, -14.5310, -17.4990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 196.8760, -39.5590, -48.5110 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(129, 239, 158)` looks like.

```
.text, #text, p{  
    color:rgb(129, 239, 158)  
}
```

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(129, 239, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 239, 158) }
```

Border

The CSS property to change the border of an element to YIQ 196.8760, -39.5590, -48.5110 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(129, 239, 158) }
```


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

```
.border{ border-color:rgb(129, 239, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 239, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 239, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 239, 158); box-shadow:4px 4px 4px 4px rgb(129, 239, 158) }
```

Background

The CSS property to change the background color of an element to YIQ 196.8760, -39.5590, -48.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 239, 158) }
```

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

```
.background{ background-color: rgb(129,  
239, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor