

# Converting Colors

YIQ(215.7840, -53.4990,  
-38.1630)

Have a look what the booklet for  
YIQ(215.7840, -53.4990, -38.1630)  
contains.

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# Color

**YIQ(215.7840, -53.4990,  
-38.1630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFFD2
RGB	141, 255, 210
RGB Percent	55%, 100%, 82%
CMY	0.4473, 0.0000, 0.1766
CMYK	0.45, 0.00, 0.18, 0.00
HSL	156°, 100%, 78%
HSV	156°, 45%, 100%
XYZ	58.3588, 81.8269, 73.6616
YIQ	215.7840, -53.4990, -38.1630

# Conversions

## Conversions Part 2

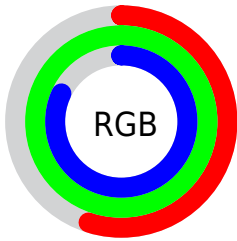
Format	Color
<a href="#">RYB</a>	<a href="#">141, 212, 255</a>
Decimal	<a href="#">9306066</a>
CIELab	<a href="#">92.50, -42.69, 11.49</a>
CIELCh	<a href="#">92, 44.215, 164.933</a>
Yxy	<a href="#">81.8269, 0.2729, 0.3826</a>
Android (android.graphics.Color)	<a href="#">4287496146 (0xFF8DFFD2)</a>
YUV	<a href="#">215.7840, -2.8515, -65.5856</a>
Hunter-Lab	<a href="#">90.4582, -43.1434, 15.0400</a>

# Details

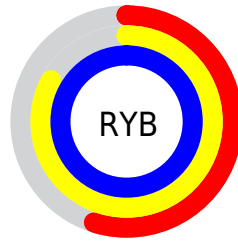
The YIQ color **215.7840, -53.4990, -38.1630** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **180.2160, 53.4990, 38.1630**, and the grayscale version is **216.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **238.2560, -33.3760, -11.8720**, and **158.5280, -55.6540, -37.6540** is the 20% darker color. If you saturate the color by 10%, you get **206.8700, -65.7850, -46.7850**, and if you desaturate by 10%, it is **224.3990, -41.8090, -29.7530**.

# Distribution



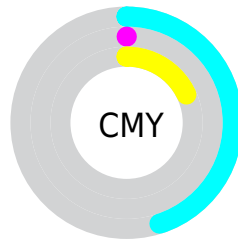
- Red (55%)
- Green (100%)
- Blue (82%)



- Red (55%)
- Yellow (83%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 215.7840, -53.4990, -38.1630 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 215.7840, -53.4990, -38.1630 by changing the saturation by 10% instead.





 215.7840,  
-53.4990, -38.1630


 215.7840,  
-53.4990, -38.1630


255.0000, -0.0000,  
-0.0000


 186.8980,  
-53.8200, -37.8520


 238.2560,  
-33.3760, -11.8720


 158.4140,  
-55.3330, -37.9650

 247.2260,  
-15.4960, -5.5120

 129.4460,  
-58.3590, -38.1910

 95.7970, -72.7090,  
-42.4450

 77.7990, -57.8550,  
-36.3110

 59.9150, -43.3220,  
-29.8660

 43.3190, -29.6600,

-24.1560

■ 27.4240, -16.5940,  
-18.6580

■ 9.3920, -4.4000,  
-8.3680

■ 215.7840,  
-53.4990, -38.1630

■ 215.7840,  
-53.4990, -38.1630

■ 206.8700,  
-65.7850, -46.7850

■ 224.3990,  
-41.8090, -29.7530

■ 198.2550,  
-77.4750, -55.1950

■ 233.3130,  
-29.5230, -21.1310

■ 189.3410,  
-89.7610, -63.8170

■ 241.9280,  
-17.8330, -12.7210

■ 180.7260,  
-101.4510, -72.2270

■ 250.8420, -5.5470,  
-4.0990

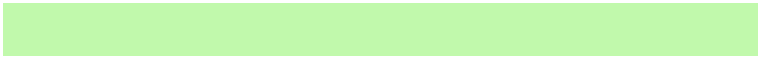
■ 171.8120, 255.0000, -0.0000,  
-113.7370, -80.8490 -0.0000

■ 167.2410,  
-119.5590, -85.4710

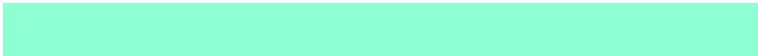
# Harmonies

## Analogous

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



223.4780, -8.6590, -35.8190



215.7840, -53.4990, -38.1630



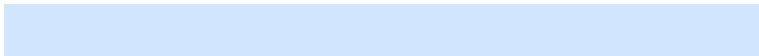
205.5510, -98.0190, -35.2910

# Triad

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



215.7840, -53.4990, -38.1630



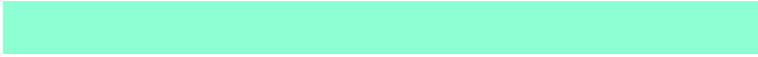
226.2720, -21.1370, 3.1110



219.4650, 38.0550, -1.3450

# Complementary

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



215.7840, -53.4990, -38.1630



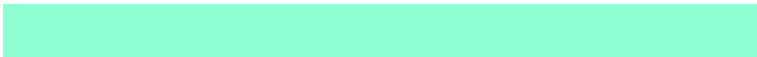
180.2160, 53.4990, 38.1630

# 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.



218.6280, 28.0110, 15.4910



215.7840, -53.4990, -38.1630



231.5200, 11.0000, 20.9200

# Square

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



215.7840, -53.4990, -38.1630



213.8590, -66.1110, -18.8390



224.4760, 14.3000, 27.1960

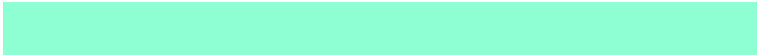


224.4740, 41.8630, -15.2970



# Rectangle

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



215.7840, -53.4990, -38.1630



201.1800, -107.2800, -38.1600



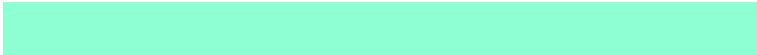
224.4760, 14.3000, 27.1960



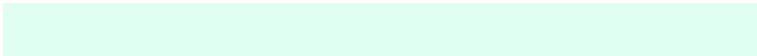
218.4850, 35.3030, 4.4790

# Sweetspot

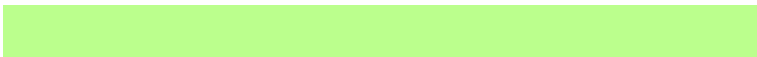
The Sweet Spot groups the original color and five complimentary colors.



215.7840, -53.4990, -38.1630



243.6510, -15.4950, -11.0390



221.6720, -3.9340, -49.8700



120.6950, -9.6270, -7.2510



0.0000, 0.0000, 0.0000

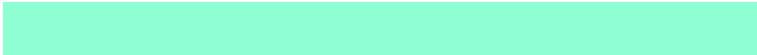


128.0000, -0.0000, -0.0000



# Same Dimension

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



215.7840, -53.4990, -38.1630



207.5820, -64.9140, -46.0500



214.4570, -64.9190, -18.4150



123.4290, -5.8220, -4.6220



125.3410, -89.7610, -63.8170



42.0140, -30.1190, -21.3430



# Inverse Universe

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



180.2160, 53.4990, 38.1630



164.5320, 64.5930, 46.3610



181.5430, 64.9190, 18.4150



119.4570, 6.1430, 4.3110



65.7730, 89.4400, 64.1280

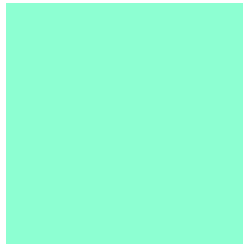


21.9860, 30.1190, 21.3430



# Previews

## White Background



This preview shows how the YIQ color 215.7840, -53.4990, -38.1630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

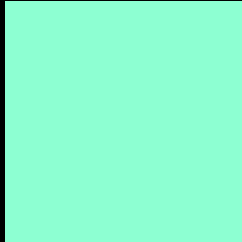
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 215.7840, -53.4990, -38.1630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

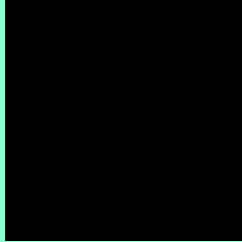
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

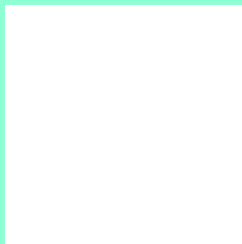
Any Text WCAG AAA ✓ Pass

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

# YIQ 215.7840, -53.4990, -38.1630 Background



This preview shows how black text looks on a background with the YIQ color 215.7840, -53.4990, -38.1630.



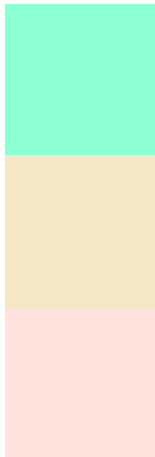
This preview shows how white text looks on a background with the YIQ color 215.7840, -53.4990, -38.1630.

-38.1630.

# 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

215.7840, -53.4990, -38.1630

### Protanopia

231.1250, 18.3410, -7.5070

### Deuteranopia

233.9870, 19.2100, 4.2820



## Tritanopia

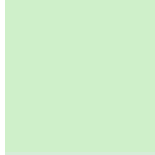
227.3360, -36.3570, -7.4050

# Trichromacy



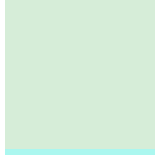
## Original Color

215.7840, -53.4990, -38.1630



## Protanomaly

225.8010, -7.4700, -18.8140



## Deuteranomaly

227.7290, -6.9670, -11.4070



## Tritanomaly

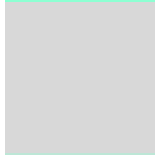
223.3640, -42.7280, -18.6000

# Monochromacy



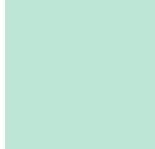
## Original Color

215.7840, -53.4990, -38.1630



## Achromatopsia

216.0000, -0.0000, 0.0000



## Achromatomaly

215.9170, -19.3000, -13.6680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 215.7840, -53.4990, -38.1630 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(141, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 210)  
}
```

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(141, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 210) }
```

## Border

The CSS property to change the border of an element to YIQ 215.7840, -53.4990, -38.1630 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(141, 255, 210) }
```



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

```
.border{ border-color:rgb(141, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 255, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 255, 210); box-shadow:4px 4px 4px 4px rgb(141, 255, 210) }
```

# Background

The CSS property to change the background color of an element to YIQ 215.7840, -53.4990, -38.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 210) }
```

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

```
.background{ background-color: rgb(141,  
255, 210) }
```

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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