

# Converting Colors

YIQ(212.0490, -55.5630,  
-33.7950)

Have a look what the booklet for  
YIQ(212.0490, -55.5630, -33.7950)  
contains.

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# Color

**YIQ(212.0490, -55.5630,  
-33.7950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AF9D8
RGB	138, 249, 216
RGB Percent	54%, 98%, 85%
CMY	0.4591, 0.0233, 0.1531
CMYK	0.45, 0.00, 0.13, 0.02
HSL	162°, 90%, 76%
HSV	162°, 45%, 98%
XYZ	56.7475, 78.1325, 77.0222
YIQ	212.0490, -55.5630, -33.7950

# Conversions

## Conversions Part 2

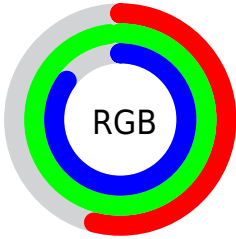
Format	Color
<b>RYB</b>	138, 203, 249
Decimal	9107928
CIELab	90.84, -39.50, 6.00
CIELCh	91, 39.949, 171.356
Yxy	78.1325, 0.2678, 0.3687
Android (android.graphics.Color)	4287298008 (0xFF8AF9D8)
YUV	212.0490, 1.9478, -64.9410
Hunter-Lab	88.3926, -40.0911, 10.2116

# Details

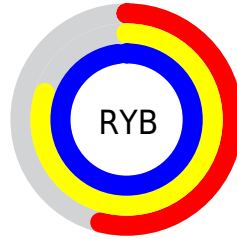
The YIQ color **212.0490, -55.5630, -33.7950** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **174.9510, 55.5630, 33.7950**, and the grayscale version is **212.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **237.3590, -35.1640, -12.5080**, and **154.6790, -57.3970, -33.5970** is the 20% darker color. If you saturate the color by 10%, you get **203.7760, -68.2160, -41.2720**, and if you desaturate by 10%, it is **220.3220, -42.9100, -26.3180**.

# Distribution



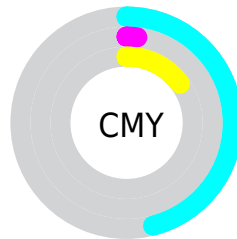
- Red (54%)
- Green (98%)
- Blue (85%)



- Red (54%)
- Yellow (80%)
- Blue (98%)



- Cyan (45%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)



- Cyan (46%)
- Magenta (2%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 212.0490, -55.5630, -33.7950 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 212.0490, -55.5630, -33.7950 by changing the saturation by 10% instead.



■ 212.0490,  
-55.5630, -33.7950

■ 212.0490,  
-55.5630, -33.7950

■ 255.0000, -0.0000,  
-0.0000

■ 183.1630,  
-55.8840, -33.4840

■ 237.3590,  
-35.1640, -12.5080

■ 154.6790,  
-57.3970, -33.5970

■ 246.3290,  
-17.2840, -6.1480

■ 125.9990,  
-61.2940, -34.5580

■ 93.5460, -73.2600,  
-37.9640

■ 75.4340, -58.0850,  
-32.1410

■ 58.1370, -43.8270,  
-26.2190

■ 40.9540, -29.8900,

-19.9860

■ 26.3470, -17.6950,  
-15.2230

■ 3.5220, -1.6500,  
-3.1380

■ 212.0490,  
-55.5630, -33.7950

■ 212.0490,  
-55.5630, -33.7950

■ 203.7760,  
-68.2160, -41.2720

■ 220.3220,  
-42.9100, -26.3180

■ 195.3890,  
-80.5480, -49.0600

■ 228.7090,  
-30.5780, -18.5300

■ 187.1160,  
-93.2010, -56.5370

■ 236.9820,  
-17.9250, -11.0530

■ 178.7290,  
-105.5330, -64.3250

■ 245.3690, -5.5930,  
-3.2650

■ 170.4560,  
-118.1860, -71.8020

■ 251.2500, 2.2920,  
2.5160

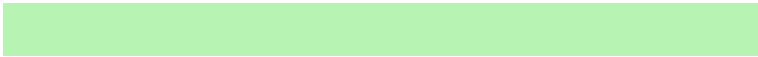
■ 166.1130,  
-124.6500, -75.8020

■ 251.4780, 1.6500,  
3.1380

# Harmonies

## Analogous

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



218.4650, -15.8120, -32.8360



212.0490, -55.5630, -33.7950



206.0300, -88.9420, -29.0860

# Triad

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



212.0490, -55.5630, -33.7950



225.1530, -13.2520, 8.8920



218.8950, 39.6600, -2.9000

# Complementary

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



212.0490, -55.5630, -33.7950



174.9510, 55.5630, 33.7950

# 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.



217.3740, 31.5420, 12.0700



212.0490, -55.5630, -33.7950



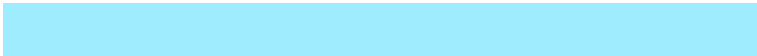
228.5850, 12.3750, 23.5350

# Square

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



212.0490, -55.5630, -33.7950



215.4420, -51.3950, -10.2030



221.7060, 19.3440, 23.8880

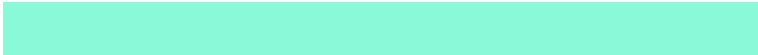


224.5880, 41.5420, -14.9860



# Rectangle

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



212.0490, -55.5630, -33.7950



204.2580, -89.5840, -28.4640



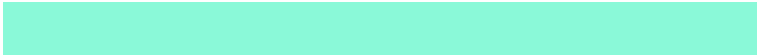
221.7060, 19.3440, 23.8880



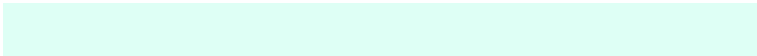
217.6870, 37.5500, 2.3020

# Sweetspot

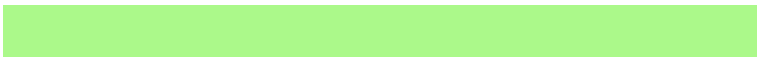
The Sweet Spot groups the original color and five complimentary colors.



212.0490, -55.5630, -33.7950



243.9930, -16.4580, -10.1060



213.0240, -10.8570, -51.0570



120.9230, -10.2690, -6.6290



0.0000, 0.0000, 0.0000

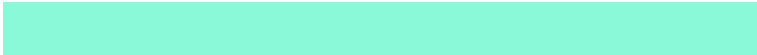


128.0000, -0.0000, -0.0000



# Same Dimension

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



212.0490, -55.5630, -33.7950



209.0640, -69.0870, -42.0070



202.8970, -60.1060, -12.0260



120.6570, -6.4640, -4.0000



125.9910, -94.3470, -57.7950



40.7090, -30.5780, -18.5300



# Inverse Universe

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



174.9510, 55.5630, 33.7950



162.9360, 69.0870, 42.0070



184.1030, 60.1060, 12.0260



116.3430, 6.4640, 4.0000



62.8950, 94.6680, 57.4840

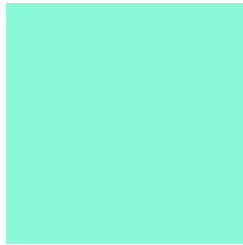


20.2910, 30.5780, 18.5300



# Previews

## White Background



This preview shows how the YIQ color 212.0490, -55.5630, -33.7950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

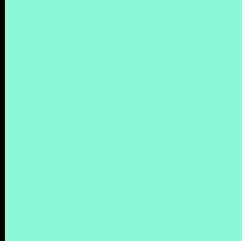
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 212.0490, -55.5630, -33.7950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

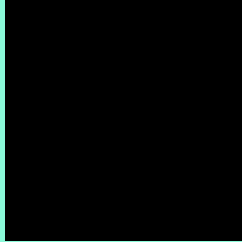
Any Text WCAG AA ✓ Pass

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 212.0490, -55.5630, -33.7950 Background



This preview shows how black text looks on a background with the YIQ color 212.0490, -55.5630, -33.7950.



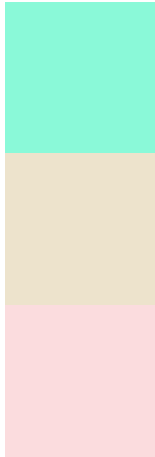
This preview shows how white text looks on a background with the YIQ color 212.0490, -55.5630, -33.7950.

-33.7950.

# 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

212.0490, -55.5630, -33.7950

### Protanopia

227.3680, 13.3430, -5.0330

### Deuteranopia

229.4970, 17.8340, 7.1940



## Tritanopia

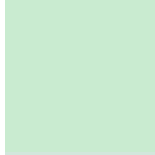
220.4920, -45.6640, -9.4400

# Trichromacy



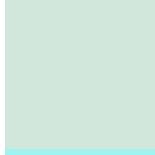
## Original Color

212.0490, -55.5630, -33.7950



## Protanomaly

221.7560, -11.5970, -15.6050



## Deuteranomaly

223.4670, -8.9850, -7.8730



## Tritanomaly

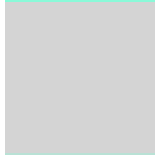
217.6560, -49.4220, -18.4300

# Monochromacy



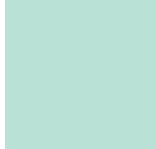
## Original Color

212.0490, -55.5630, -33.7950



## Achromatopsia

212.0000, -0.0000, -0.0000



## Achromatomaly

211.6720, -19.9880, -12.2120

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 212.0490, -55.5630, -33.7950 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(138, 249, 216)` looks like.

```
.text, #text, p{  
    color:rgb(138, 249, 216)  
}
```

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(138, 249, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 249, 216) }
```

## Border

The CSS property to change the border of an element to YIQ 212.0490, -55.5630, -33.7950 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(138, 249, 216) }
```



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

```
.border{ border-color:rgb(138, 249, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 249, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 249, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 249, 216);  
box-shadow:4px 4px 4px 4px rgb(138, 249,  
216) }
```

# Background

The CSS property to change the background color of an element to YIQ 212.0490, -55.5630, -33.7950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 249, 216) }
```

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

```
.background{ background-color: rgb(138,  
249, 216) }
```

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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