

# Converting Colors

YIQ(193.3440, -93.8430,  
-55.9150)

Have a look what the booklet for  
YIQ(193.3440, -93.8430, -55.9150)  
contains.

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# Color

**YIQ(193.3440, -93.8430,  
-55.9150)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 45FFCA                       |
| RGB         | 69, 255, 202                 |
| RGB Percent | 27%, 100%, 79%               |
| CMY         | 0.7299, 0.0000, 0.2082       |
| CMYK        | 0.73, 0.00, 0.21, 0.00       |
| HSL         | 163°, 100%, 64%              |
| HSV         | 163°, 73%, 100%              |
| XYZ         | 48.8563, 77.0410, 68.1201    |
| YIQ         | 193.3440, -93.8430, -55.9150 |

# Conversions

## Conversions Part 2

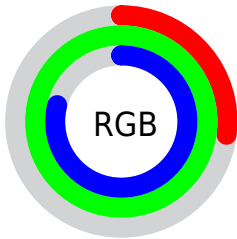
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">69, 177, 255</a>                |
| Decimal                             | <a href="#">4587466</a>                     |
| CIELab                              | <a href="#">90.34, -57.84, 12.29</a>        |
| CIElCh                              | <a href="#">90, 59.130, 168.003</a>         |
| Yxy                                 | <a href="#">77.0410, 0.2518, 0.3971</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4282777546<br/>(0xFF45FFCA)</a> |
| YUV                                 | <a href="#">193.3440, 4.2674, -109.0497</a> |
| Hunter-Lab                          | <a href="#">87.7730, -54.2459, 15.4265</a>  |

# Details

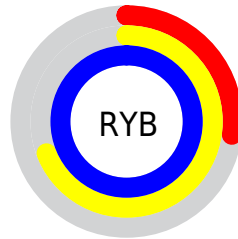
The YIQ color **193.3440, -93.8430, -55.9150** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **130.6560, 93.8430, 55.9150**, and the grayscale version is **193.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **220.9140, -67.9440, -24.1680**, and **132.5110, -101.6830, -57.0030** is the 20% darker color. If you saturate the color by 10%, you get **184.7720, -107.0920, -63.6040**, and if you desaturate by 10%, it is **201.6170, -81.1900, -48.4380**.

# Distribution



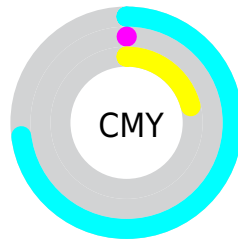
- Red (27%)
- Green (100%)
- Blue (79%)



- Red (27%)
- Yellow (69%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (73%)
- Magenta (0%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 193.3440, -93.8430, -55.9150 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 193.3440, -93.8430, -55.9150 by changing the saturation by 10% instead.



193.3440,  
-93.8430, -55.9150

193.3440,  
-93.8430, -55.9150

255.0000, -0.0000,  
-0.0000

152.6120,  
-118.3250, -63.7730

220.9140,  
-67.9440, -24.1680

132.5110,  
-101.6830, -57.0030

230.4820,  
-48.8720, -17.3840

113.1110,  
-85.6370, -50.4450

240.0500,  
-29.8000, -10.6000

94.4120, -70.1870,  
-44.0990

249.3190,  
-11.3240, -4.0280

75.8270, -55.0580,  
-37.4420

58.0570, -40.8460,  
-30.6860

40.8740, -26.9090,

-24.4530

■ 24.7510, -13.2010,  
-19.5770

■ 1.1740, -0.5500,  
-1.0460

■ 193.3440,  
-93.8430, -55.9150

■ 193.3440,  
-93.8430, -55.9150

■ 184.7720,  
-107.0920, -63.6040

■ 201.6170,  
-81.1900, -48.4380

■ 176.3850,  
-119.4240, -71.3920

■ 210.1890,  
-67.9410, -40.7490

■ 170.4330,  
-128.5470, -76.7630

■ 218.5760,  
-55.6090, -32.9610

■ 227.1480,  
-42.3600, -25.2720

■ 235.4210,  
-29.7070, -17.7950

■ 244.1070,  
-16.7790, -9.7950

■ 252.3800, -4.1260,  
-2.3180

■ 255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



211.2990, -18.8810, -48.8090



193.3440, -93.8430, -55.9150



178.7550, -151.9800, -54.0600

# Triad

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



193.3440, -93.8430, -55.9150



217.4010, -25.8140, 5.2740



207.8270, 51.5350, -3.3530

# Complementary

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



193.3440, -93.8430, -55.9150



130.6560, 93.8430, 55.9150

# 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.



205.3090, 39.3350, 19.5190



193.3440, -93.8430, -55.9150



222.1280, 15.4000, 29.2880

# Square

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



193.3440, -93.8430, -55.9150



189.0860, -109.7110, -32.6470



212.5080, 20.4420, 37.0340



216.1470, 55.6650, -23.1430



# Rectangle

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



193.3440, -93.8430, -55.9150



178.1680, -151.7050, -53.5370



212.5080, 20.4420, 37.0340



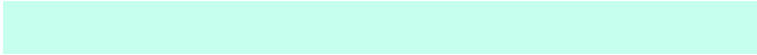
206.0150, 48.3700, 4.4500

# Sweetspot

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



193.3440, -93.8430, -55.9150



236.4320, -28.2400, -16.8480



194.9260, -17.7740, -85.4060



116.6940, -17.0540, -10.3180



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.



193.3440, -93.8430, -55.9150



180.7280, -112.9600, -67.3920



177.6670, -100.6810, -20.0810



123.6570, -6.4640, -4.0000



127.7350, -96.5020, -57.2860



42.8120, -32.3660, -19.1660



# Inverse Universe

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



130.6560, 93.8430, 55.9150



105.2720, 112.9600, 67.3920



146.3330, 100.6810, 20.0810



119.2290, 6.7850, 3.6890



63.3790, 96.1810, 57.5970

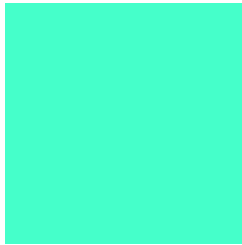


21.1880, 32.3660, 19.1660



# Previews

## White Background



This preview shows how the YIQ color 193.3440, -93.8430, -55.9150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

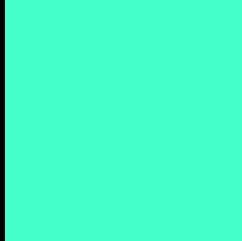
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 193.3440, -93.8430, -55.9150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

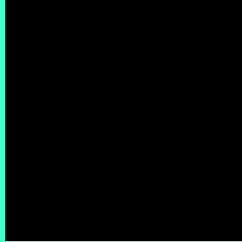
Any Text WCAG AA ✓ Pass

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 193.3440, -93.8430, -55.9150 Background



This preview shows how black text looks on a background with the YIQ color 193.3440, -93.8430, -55.9150.



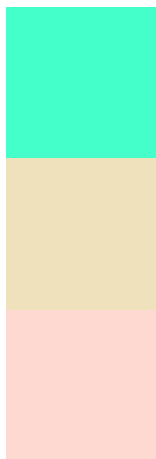
This preview shows how white text looks on a background with the YIQ color 193.3440, -93.8430, -55.9150.

-55.9150.

# 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

193.3440, -93.8430, -55.9150

### Protanopia

224.5550, 19.9460, -9.0620

### Deuteranopia

226.9660, 23.7030, 5.4550



## Tritanopia

215.0990, -57.8590, -14.2030

# Trichromacy



## Original Color

193.3440, -93.8430, -55.9150



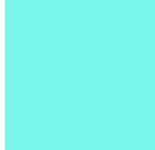
## Protanomaly

213.3430, -21.0400, -26.1920



## Deuteranomaly

214.8090, -19.1160, -17.0040



## Tritanomaly

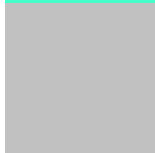
206.8980, -71.0150, -29.0870

# Monochromacy



## Original Color

193.3440, -93.8430, -55.9150



## Achromatopsia

193.0000, -0.0000, -0.0000



## Achromatomaly

193.3880, -34.1080, -20.6360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 193.3440, -93.8430, -55.9150 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(69, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 202)  
}
```

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(69, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 193.3440, -93.8430, -55.9150 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(69, 255, 202) }
```



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

```
.border{ border-color:rgb(69, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(69, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 193.3440, -93.8430, -55.9150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 202) }
```

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

```
.background{ background-color: rgb(69, 255,  
202) }
```

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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