

# Converting Colors

YIQ(196.3340, -87.8830,  
-53.7950)

Have a look what the booklet for  
YIQ(196.3340, -87.8830, -53.7950)  
contains.

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# Color

**YIQ(196.3340, -87.8830,  
-53.7950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FFFCA
RGB	79, 255, 202
RGB Percent	31%, 100%, 79%
CMY	0.6906, 0.0000, 0.2081
CMYK	0.69, 0.00, 0.21, 0.00
HSL	162°, 100%, 65%
HSV	162°, 69%, 100%
XYZ	49.6263, 77.4379, 68.1598
YIQ	196.3340, -87.8830, -53.7950

# Conversions

## Conversions Part 2

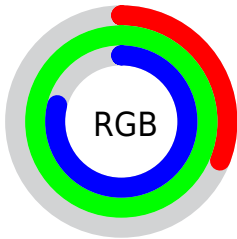
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 183, 255
Decimal	5242826
CIELab	90.52, -56.53, 12.57
CIELCh	91, 57.912, 167.462
Yxy	77.4379, 0.2542, 0.3967
Android (android.graphics.Color)	4283432906 (0xFF4FFFCA)
YUV	196.3340, 2.7933, -102.9019
Hunter-Lab	87.9988, -53.3342, 15.6758

# Details

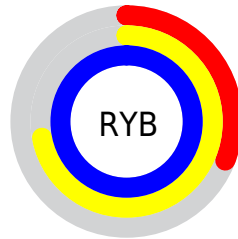
The YIQ color **196.3340, -87.8830, -53.7950** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **137.6660, 87.8830, 53.7950**, and the grayscale version is **196.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **223.0070, -63.7720, -22.6840**, and **132.5110, -101.6830, -57.0030** is the 20% darker color. If you saturate the color by 10%, you get **187.6480, -100.8110, -61.7950**, and if you desaturate by 10%, it is **204.7210, -75.5510, -46.0070**.

# Distribution



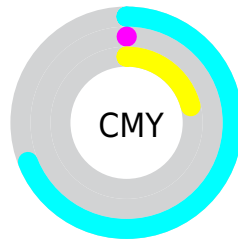
- Red (31%)
- Green (100%)
- Blue (79%)



- Red (31%)
- Yellow (72%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (69%)
- Magenta (0%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 196.3340, -87.8830, -53.7950 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 196.3340, -87.8830, -53.7950 by changing the saturation by 10% instead.



■ 196.3340,  
-87.8830, -53.7950

■ 196.3340,  
-87.8830, -53.7950

■ 255.0000, -0.0000,  
-0.0000

■ 161.2830,  
-101.0410, -57.6250

■ 223.0070,  
-63.7720, -22.6840

■ 132.5110,  
-101.6830, -57.0030

■ 232.2760,  
-45.2960, -16.1120

■ 113.1110,  
-85.6370, -50.4450

■ 241.8440,  
-26.2240, -9.3280

■ 94.4120, -70.1870,  
-44.0990

■ 251.1130, -7.7480,  
-2.7560

■ 75.8270, -55.0580,  
-37.4420

■ 58.0570, -40.8460,  
-30.6860

■ 40.8740, -26.9090,

-24.4530

■ 24.7510, -13.2010,  
-19.5770

■ 2.3480, -1.1000,  
-2.0920

■ 196.3340,  
-87.8830, -53.7950

■ 196.3340,  
-87.8830, -53.7950

■ 187.6480,  
-100.8110, -61.7950

■ 204.7210,  
-75.5510, -46.0070

■ 179.3750,  
-113.4640, -69.2720

■ 213.2930,  
-62.3020, -38.3180

■ 170.6890,  
-126.3920, -77.2720

■ 221.6800,  
-49.9700, -30.5300

■ 169.9770,  
-127.2630, -78.0070

■ 230.3660,  
-37.0420, -22.5300

■ 238.6390,  
-24.3890, -15.0530

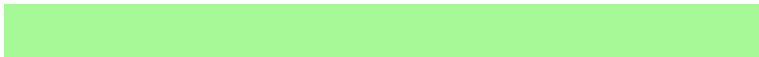
■ 247.3250,  
-11.4610, -7.0530

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.



212.6090, -16.8180, -47.6500



196.3340, -87.8830, -53.7950



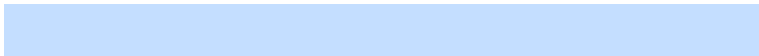
178.7550, -151.9800, -54.0600

# Triad

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



196.3340, -87.8830, -53.7950



217.9880, -26.0890, 4.7510



208.7560, 50.2970, -2.9430

# Complementary

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



196.3340, -87.8830, -53.7950



137.6660, 87.8830, 53.7950

# 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.



206.1240, 38.4180, 19.6180



196.3340, -87.8830, -53.7950



223.3020, 14.8500, 28.2420

# Square

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



196.3340, -87.8830, -53.7950



191.1790, -105.5390, -31.1630



213.7960, 19.5710, 36.2990



217.0760, 54.4270, -22.7330



# Rectangle

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



196.3340, -87.8830, -53.7950



178.1680, -151.7050, -53.5370



213.7960, 19.5710, 36.2990



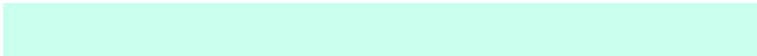
206.9440, 47.1320, 4.8600

# Sweetspot

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



196.3340, -87.8830, -53.7950



237.0300, -27.0480, -16.4240



199.0560, -15.0240, -80.1760



117.2920, -15.8620, -9.8940



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.



196.3340, -87.8830, -53.7950



184.3160, -105.8080, -64.8480



183.5920, -96.0960, -20.5760



123.6570, -6.4640, -4.0000



127.3930, -95.5390, -58.2190



42.6980, -32.0450, -19.4770



# Inverse Universe

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



137.6660, 87.8830, 53.7950



113.6840, 105.8080, 64.8480



150.4080, 96.0960, 20.5760



119.3430, 6.4640, 4.0000



63.7210, 95.2180, 58.5300

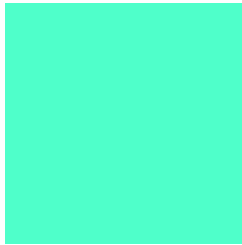


21.3020, 32.0450, 19.4770



# Previews

## White Background



This preview shows how the YIQ color 196.3340, -87.8830, -53.7950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

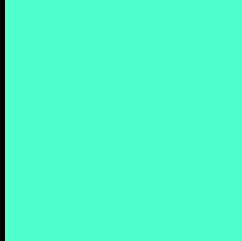
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 196.3340, -87.8830, -53.7950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

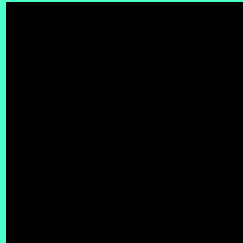
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

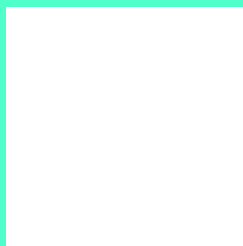
Any Text WCAG AAA ✓ Pass

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

# YIQ 196.3340, -87.8830, -53.7950 Background



This preview shows how black text looks on a background with the YIQ color 196.3340, -87.8830, -53.7950.



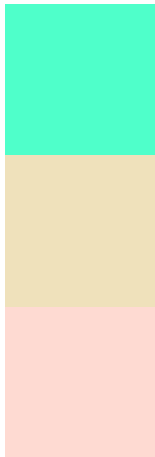
This preview shows how white text looks on a background with the YIQ color 196.3340, -87.8830, -53.7950.

-53.7950.

# 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

196.3340, -87.8830, -53.7950

### Protanopia

224.8540, 20.5420, -8.8500

### Deuteranopia

227.8520, 24.0240, 5.1440



## Tritanopia

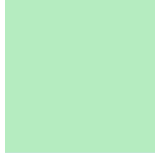
216.2950, -55.4750, -13.3550

# Trichromacy



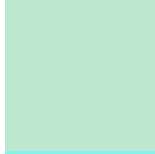
## Original Color

196.3340, -87.8830, -53.7950



## Protanomaly

214.5390, -18.6560, -25.3440



## Deuteranomaly

216.0050, -16.7320, -16.1560



## Tritanomaly

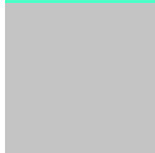
208.6920, -67.4390, -27.8150

# Monochromacy



## Original Color

196.3340, -87.8830, -53.7950



## Achromatopsia

196.0000, -0.0000, -0.0000



## Achromatomaly

195.6980, -32.0450, -19.4770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 196.3340, -87.8830, -53.7950 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(79, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 196.3340, -87.8830, -53.7950 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(79, 255, 202) }
```



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

```
.border{ border-color:rgb(79, 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(79, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 196.3340, -87.8830, -53.7950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 202) }
```

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

```
.background{ background-color: rgb(79, 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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