

# Converting Colors

YIQ(186.9250, -93.9810,  
-53.4130)

Have a look what the booklet for  
YIQ(186.9250, -93.9810, -53.4130)  
contains.

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# Color

**YIQ(186.9250, -93.9810,  
-53.4130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40F7C8
RGB	64, 247, 200
RGB Percent	25%, 97%, 78%
CMY	0.7495, 0.0311, 0.2160
CMYK	0.74, 0.00, 0.19, 0.03
HSL	165°, 92%, 61%
HSV	165°, 74%, 97%
XYZ	45.8062, 71.8207, 66.0395
YIQ	186.9250, -93.9810, -53.4130

# Conversions

## Conversions Part 2

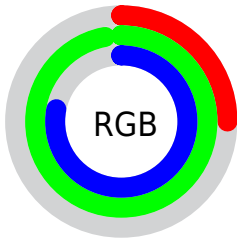
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 169, 247
Decimal	4257736
CIELab	87.88, -55.76, 9.81
CIELCh	88, 56.613, 170.019
Yxy	71.8207, 0.2494, 0.3910
Android (android.graphics.Color)	4282447816 (0xFF40F7C8)
YUV	186.9250, 6.4460, -107.8052
Hunter-Lab	84.7471, -51.8272, 13.1209

# Details

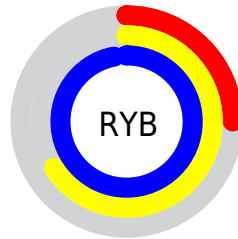
The YIQ color **186.9250, -93.9810, -53.4130** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **124.0750, 93.9810, 53.4130**, and the grayscale version is **187.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **219.7180, -70.3280, -25.0160**, and **128.1740, -99.1160, -53.9640** is the 20% darker color. If you saturate the color by 10%, you get **178.7660, -106.9550, -60.5790**, and if you desaturate by 10%, it is **195.0840, -81.0070, -46.2470**.

# Distribution



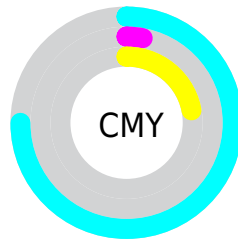
- Red (25%)
- Green (97%)
- Blue (78%)



- Red (25%)
- Yellow (66%)
- Blue (97%)



- Cyan (74%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)



- Cyan (75%)
- Magenta (3%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.9250, -93.9810, -53.4130 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 186.9250, -93.9810, -53.4130 by changing the saturation by 10% instead.



186.9250,  
-93.9810, -53.4130

186.9250,  
-93.9810, -53.4130

255.0000, -0.0000,  
-0.0000

147.6880,  
-115.4830, -60.2110

219.7180,  
-70.3280, -25.0160

128.1740,  
-99.1160, -53.9640

229.2860,  
-51.2560, -18.2320

108.7740,  
-83.0700, -47.4060

238.5550,  
-32.7800, -11.6600

90.1890, -67.9410,  
-40.7490

248.1230,  
-13.7080, -4.8760

71.6040, -52.8120,  
-34.0920

54.3070, -38.5540,  
-28.1700

37.2380, -24.9380,

-21.6260

■ 20.8870, -10.5880,  
-17.3720

■ 0.0000, 0.0000,  
0.0000

■ 186.9250,  
-93.9810, -53.4130

■ 186.9250,  
-93.9810, -53.4130

■ 178.7660,  
-106.9550, -60.5790

■ 195.0840,  
-81.0070, -46.2470

■ 170.4930,  
-119.6080, -68.0560

■ 203.0580,  
-68.9500, -38.9820

■ 165.8510,  
-126.6680, -72.2680

■ 211.2170,  
-55.9760, -31.8160

■ 219.3760,  
-43.0020, -24.6500

■ 227.3500,  
-30.9450, -17.3850

■ 235.5090,  
-17.9710, -10.2190

■ 243.6680, -4.9970,  
-3.0530

■ 249.8480, 3.4840,  
2.9400

■ 250.3040, 2.2000,  
4.1840

# Harmonies

## Analogous

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



204.7980, -21.7240, -46.8440



186.9250, -93.9810, -53.4130



174.6460, -150.0550, -50.3990

# Triad

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



186.9250, -93.9810, -53.4130



213.0040, -23.0180, 9.6700



204.9090, 54.2400, -2.8160

# Complementary

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



186.9250, -93.9810, -53.4130



124.0750, 93.9810, 53.4130

# 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.



201.9350, 43.3240, 18.8120



186.9250, -93.9810, -53.4130



218.6060, 17.0500, 32.4260

# Square

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



186.9250, -93.9810, -53.4130



189.4840, -95.9120, -23.9120



208.2050, 25.6690, 35.9170



212.9840, 57.6820, -21.1500



# Rectangle

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



186.9250, -93.9810, -53.4130



172.8850, -149.2300, -48.8300



208.2050, 25.6690, 35.9170



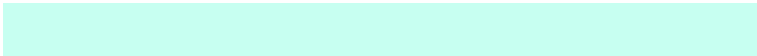
202.9830, 51.3960, 4.6760

# Sweetspot

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



186.9250, -93.9810, -53.4130



236.6600, -28.8820, -16.2260



186.0720, -21.1210, -85.3210



116.8080, -17.3750, -10.0070



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.



186.9250, -93.9810, -53.4130



180.5150, -116.6740, -66.1620



167.0420, -97.2430, -16.3070



118.0700, -6.1890, -3.4770



124.9140, -95.4480, -54.3600



39.6490, -30.3490, -17.1730



# Inverse Universe

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



124.0750, 93.9810, 53.4130



102.4850, 116.6740, 66.1620



143.9580, 97.2430, 16.3070



113.9300, 6.1890, 3.4770



61.0860, 95.4480, 54.3600

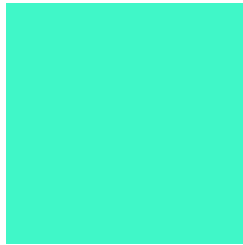


19.3510, 30.3490, 17.1730



# Previews

## White Background



This preview shows how the YIQ color 186.9250, -93.9810, -53.4130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

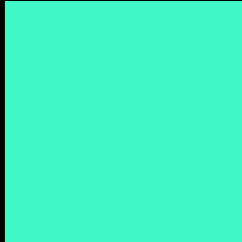
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 186.9250, -93.9810, -53.4130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

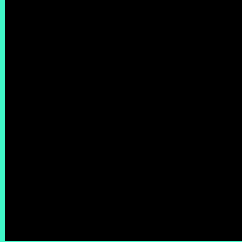
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

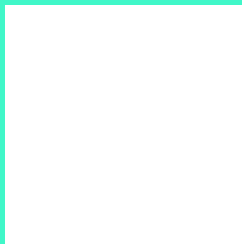
Any Text WCAG AAA ✓ Pass

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

# YIQ 186.9250, -93.9810, -53.4130 Background



This preview shows how black text looks on a background with the YIQ color 186.9250, -93.9810, -53.4130.



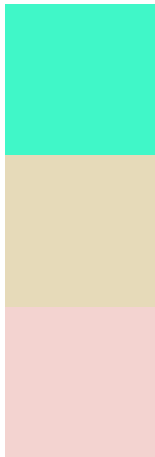
This preview shows how white text looks on a background with the YIQ color 186.9250, -93.9810, -53.4130.



# 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

186.9250, -93.9810, -53.4130

### Protanopia

217.8260, 17.7450, -7.7190

### Deuteranopia

220.2260, 20.0350, 5.8510



## Tritanopia

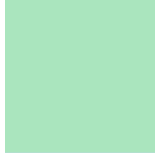
202.2750, -79.0860, -20.4780

# Trichromacy



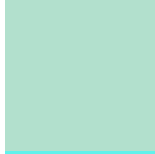
## Original Color

186.9250, -93.9810, -53.4130



## Protanomaly

206.9130, -22.6450, -24.6370



## Deuteranomaly

208.0800, -21.3170, -15.6610



## Tritanomaly

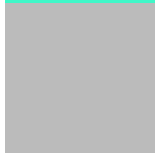
196.9610, -84.4940, -32.6060

# Monochromacy



## Original Color

186.9250, -93.9810, -53.4130



## Achromatopsia

187.0000, -0.0000, -0.0000



## Achromatomaly

187.0290, -34.4750, -19.4910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.9250, -93.9810, -53.4130 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(64, 247, 200)` looks like.

```
.text, #text, p{  
    color:rgb(64, 247, 200)  
}
```

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(64, 247, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 247, 200) }
```

## Border

The CSS property to change the border of an element to YIQ 186.9250, -93.9810, -53.4130 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(64, 247, 200) }
```



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

```
.border{ border-color:rgb(64, 247, 200) }
```

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

Here you see how a box with a 4 pixel rgb(64, 247, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 247, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 247, 200);  
box-shadow:4px 4px 4px 4px rgb(64, 247,  
200) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.9250, -93.9810, -53.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 247, 200) }
```

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

```
.background{ background-color: rgb(64, 247,  
200) }
```

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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