

# Converting Colors

YIQ(189.1370, -79.3580,  
-37.5820)

Have a look what the booklet for  
YIQ(189.1370, -79.3580, -37.5820)  
contains.

<b>YIQ(189.1370, -79.3580, -37.5820)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(189.1370, -79.3580,  
-37.5820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AEBD5
RGB	90, 235, 213
RGB Percent	35%, 92%, 84%
CMY	0.6474, 0.0782, 0.1650
CMYK	0.62, 0.00, 0.09, 0.08
HSL	171°, 78%, 64%
HSV	171°, 62%, 92%
XYZ	45.9339, 66.4209, 73.2998
YIQ	189.1370, -79.3580, -37.5820

# Conversions

## Conversions Part 2

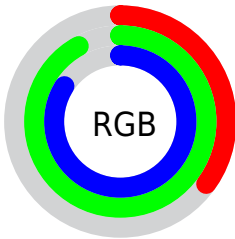
Format	Color
<b>RYB</b>	90, 168, 235
Decimal	5958613
CIELab	85.21, -43.88, -0.78
CIELCh	85, 43.884, 181.023
Yxy	66.4209, 0.2474, 0.3578
Android (android.graphics.Color)	4284148693 (0xFF5AEBD5)
YUV	189.1370, 11.7645, -86.9431
Hunter-Lab	81.4990, -42.0182, 3.7242

# Details

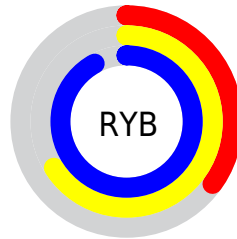
The YIQ color **189.1370, -79.3580, -37.5820** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **135.8630, 79.3580, 37.5820**, and the grayscale version is **189.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **224.8010, -60.1960, -21.4120**, and **122.4980, -99.6680, -43.9560** is the 20% darker color. If you saturate the color by 10%, you get **181.5050, -92.3780, -43.9140**, and if you desaturate by 10%, it is **196.4700, -66.9340, -31.4620**.

# Distribution



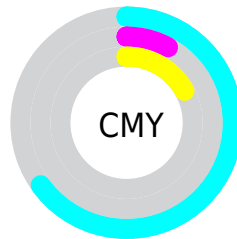
- Red (35%)
- Green (92%)
- Blue (84%)



- Red (35%)
- Yellow (66%)
- Blue (92%)



- Cyan (62%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)



- Cyan (65%)
- Magenta (8%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 189.1370, -79.3580, -37.5820 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 189.1370, -79.3580, -37.5820 by changing the saturation by 10% instead.



■ 189.1370,  
-79.3580, -37.5820

■ 189.1370,  
-79.3580, -37.5820

■ 255.0000, -0.0000,  
-0.0000

■ 157.5600,  
-85.0430, -39.1790

■ 224.5020,  
-60.7920, -21.6240

■ 122.4980,  
-99.6680, -43.9560

■ 233.7710,  
-42.3160, -15.0520

■ 103.6850,  
-83.8970, -37.9210

■ 243.0400,  
-23.8400, -8.4800

■ 85.5730, -68.7220,  
-32.0980

■ 252.0100, -5.9600,  
-2.1200

■ 67.5750, -53.8680,  
-25.9640

■ 50.2780, -39.6100,  
-20.0420

■ 33.6820, -25.9480,

-14.3320

■ 17.9010, -13.2030,  
-8.5230

■ 0.0000, 0.0000,  
0.0000

■ 189.1370,  
-79.3580, -37.5820

■ 189.1370,  
-79.3580, -37.5820

■ 181.5050,  
-92.3780, -43.9140

■ 196.4700,  
-66.9340, -31.4620

■ 174.2860,  
-105.1230, -49.7230


■ 203.9880,  
-53.5930, -25.4410

■ 166.6540,  
-118.1430, -56.0550


■ 211.3210,  
-41.1690, -19.3210


■ 160.6310,  
-128.5040, -61.0160


■ 218.8390,  
-27.8280, -13.3000

 226.1720,  
-15.4040, -7.1800

 233.6900, -2.0630,  
-1.1590

 241.0230, 10.3610,  
4.9610

 241.7780, 9.6730,  
6.4170

 242.1200, 8.7100,  
7.3500

# Harmonies

## Analogous

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



198.7450, -31.4000, -36.6800



189.1370, -79.3580, -37.5820



177.9750, -122.6400, -35.1200

# Triad

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



189.1370, -79.3580, -37.5820



213.4240, -6.2850, 20.2990



207.3710, 52.8190, -4.5970

# Complementary

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



189.1370, -79.3580, -37.5820



135.8630, 79.3580, 37.5820

# 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.



203.8610, 46.1680, 11.3200



189.1370, -79.3580, -37.5820



215.5570, 18.7460, 34.7300

# Square

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



189.1370, -79.3580, -37.5820



202.2070, -48.8750, -0.8030



206.7740, 33.8320, 25.6400



210.0240, 43.0100, -19.5660

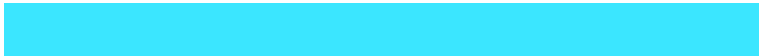


# Rectangle

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



189.1370, -79.3580, -37.5820



181.7210, -109.9410, -28.4770



206.7740, 33.8320, 25.6400



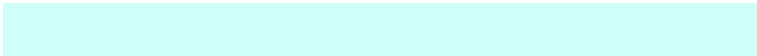
206.0490, 51.0300, 0.2940

# Sweetspot

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



189.1370, -79.3580, -37.5820



239.8500, -26.3610, -12.3530



182.2910, -25.5710, -70.7470



118.4600, -16.2750, -7.9150



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.



189.1370, -79.3580, -37.5820



195.1830, -103.3350, -49.0870



163.4690, -73.2200, -5.6360



113.5970, -6.2350, -2.6430



123.6890, -98.8880, -47.0800



36.8280, -29.2950, -14.2470



# Inverse Universe

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



135.8630, 79.3580, 37.5820



125.8170, 103.3350, 49.0870



161.5310, 73.2200, 5.6360



109.4030, 6.2350, 2.6430



57.3110, 98.8880, 47.0800

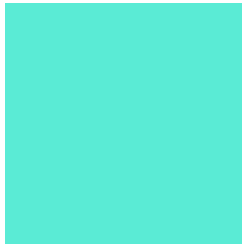


17.0580, 29.6160, 13.9360



# Previews

## White Background



This preview shows how the YIQ color 189.1370, -79.3580, -37.5820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

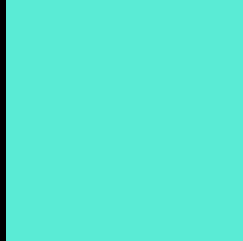
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 189.1370, -79.3580, -37.5820 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

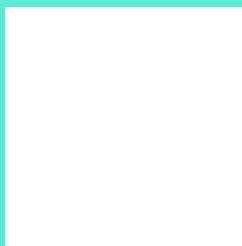
Any Text WCAG AAA ✓ Pass

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

# YIQ 189.1370, -79.3580, -37.5820 Background



This preview shows how black text looks on a background with the YIQ color 189.1370, -79.3580, -37.5820.



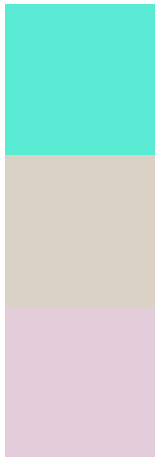
This preview shows how white text looks on a background with the YIQ color 189.1370, -79.3580, -37.5820.

-37.5820.

# 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

189.1370, -79.3580, -37.5820

### Protanopia

211.1380, 8.2990, -1.7250

### Deuteranopia

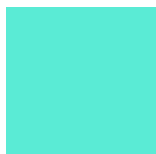
213.4730, 9.2140, 9.2300



## Tritanopia

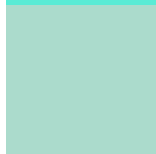
194.6770, -80.2780, -20.9020

# Trichromacy



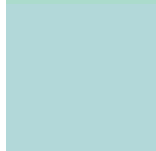
## Original Color

189.1370, -79.3580, -37.5820



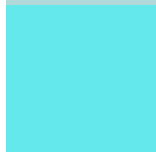
## Protanomaly

202.9380, -23.7930, -14.8410



## Deuteranomaly

204.7520, -22.9690, -7.7450



## Tritanomaly

192.8740, -79.6350, -27.0510

# Monochromacy



## Original Color

189.1370, -79.3580, -37.5820



## Achromatopsia

189.0000, -0.0000, -0.0000



## Achromatomaly

189.2410, -29.0200, -13.7240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 189.1370, -79.3580, -37.5820 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(90, 235, 213)` looks like.

```
.text, #text, p{  
    color:rgb(90, 235, 213)  
}
```

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(90, 235, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 235, 213) }
```

## Border

The CSS property to change the border of an element to YIQ 189.1370, -79.3580, -37.5820 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(90, 235, 213) }
```



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

```
.border{ border-color:rgb(90, 235, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 235, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 235, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 235, 213);  
box-shadow:4px 4px 4px 4px rgb(90, 235,  
213) }
```

# Background

The CSS property to change the background color of an element to YIQ 189.1370, -79.3580, -37.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 235, 213) }
```

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

```
.background{ background-color: rgb(90, 235,  
213) }
```

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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