

# Converting Colors

YIQ(176.0500, -38.9680,  
-20.6640)

Have a look what the booklet for  
YIQ(176.0500, -38.9680, -20.6640)  
contains.

<b>YIQ(176.0500, -38.9680, -20.6640)</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(176.0500, -38.9680,  
-20.6640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EC8B8
RGB	126, 200, 184
RGB Percent	49%, 78%, 72%
CMY	0.5061, 0.2155, 0.2786
CMYK	0.37, 0.00, 0.08, 0.22
HSL	167°, 40%, 64%
HSV	167°, 37%, 78%
XYZ	37.9066, 49.2141, 52.8289
YIQ	176.0500, -38.9680, -20.6640

# Conversions

## Conversions Part 2

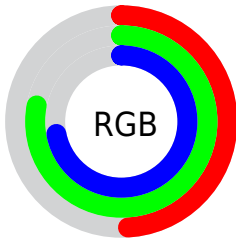
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 167, 200
Decimal	8308920
CIELab	75.58, -26.72, 0.75
CIELCh	76, 26.730, 178.398
Yxy	49.2141, 0.2709, 0.3517
Android (android.graphics.Color)	4286499000 (0xFF7EC8B8)
YUV	176.0500, 3.9194, -43.8938
Hunter-Lab	70.1528, -26.3161, 4.4584

# Details

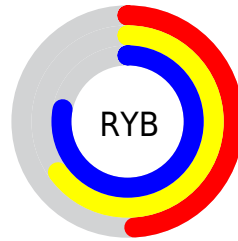
The YIQ color **176.0500, -38.9680, -20.6640** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **149.9500, 38.9680, 20.6640**, and the grayscale version is **176.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **231.1640, -39.2890, -20.3530**, and **122.1640, -39.2890, -20.3530** is the 20% darker color. If you saturate the color by 10%, you get **169.6140, -49.6040, -26.1480**, and if you desaturate by 10%, it is **182.4860, -28.3320, -15.1800**.

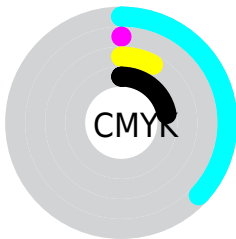
# Distribution



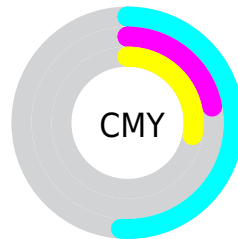
- Red (49%)
- Green (78%)
- Blue (72%)



- Red (49%)
- Yellow (65%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 176.0500, -38.9680, -20.6640 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 176.0500, -38.9680, -20.6640 by changing the saturation by 10% instead.



■ 176.0500,  
-38.9680, -20.6640

■ 176.0500,  
-38.9680, -20.6640

■ 255.0000, -0.0000,  
-0.0000

■ 149.0500,  
-38.9680, -20.6640

■ 231.1640,  
-39.2890, -20.3530

■ 122.1640,  
-39.2890, -20.3530

■ 241.5450,  
-26.8200, -9.5400

■ 95.6800, -40.8020,  
-20.4660

■ 250.2160, -9.5360,  
-3.3920

■ 67.8040, -47.0830,  
-22.2750

■ 48.4030, -38.4640,  
-18.7840

■ 32.3940, -25.0770,  
-13.5970

■ 18.2600, -12.8360,

-9.6680

■ 0.0000, 0.0000,  
0.0000

■ 176.0500,  
-38.9680, -20.6640

■ 176.0500,  
-38.9680, -20.6640

■ 169.6140,  
-49.6040, -26.1480

■ 182.4860,  
-28.3320, -15.1800

■ 163.0640,  
-59.9190, -31.9430

■ 189.0360,  
-18.0170, -9.3850

■ 156.6280,  
-70.5550, -37.4270

■ 195.4720, -7.3810,  
-3.9010

■ 150.1920,  
-81.1910, -42.9110

■ 201.9080, 3.2550,  
1.5830

■ 143.6420,  
-91.5060, -48.7060

■ 208.4580, 13.5700,  
7.3780

■ 137.2060,  
-102.1420, -54.1900

■ 214.8940, 24.2060,  
12.8620

■ 135.2980,  
-105.3970, -55.7730

■ 218.0410, 28.2860,  
16.0140

■ 218.6110, 26.6810,  
17.5690

■ 219.0670, 25.3970,  
18.8130

# Harmonies

## Analogous

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



179.0280, -15.5390, -21.2590



176.0500, -38.9680, -20.6640



174.7250, -53.8700, -14.9100

# Triad

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



176.0500, -38.9680, -20.6640



187.9780, -10.9610, 16.9350



187.4160, 39.7510, 0.9590

# Complementary

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



176.0500, -38.9680, -20.6640



149.9500, 38.9680, 20.6640

# 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.



189.0500, 41.2620, 12.1260



176.0500, -38.9680, -20.6640



190.6020, 13.7050, 21.4570

# Square

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



176.0500, -38.9680, -20.6640



183.7790, -35.6260, 6.8860



189.7150, 32.3200, 20.0000



185.2200, 28.1990, -9.9530



# Rectangle

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



176.0500, -38.9680, -20.6640



176.2290, -55.1090, -8.9730



189.7150, 32.3200, 20.0000



188.0080, 41.0800, 4.4080

# Sweetspot

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



176.0500, -38.9680, -20.6640



245.9440, -14.7620, -7.8020



174.5210, -10.2180, -35.0980



122.4610, -8.8480, -4.8480



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.



176.0500, -38.9680, -20.6640



218.7760, -59.0480, -31.2080



166.1340, -38.6040, -5.2280



96.0810, -4.7220, -2.5300



110.2730, -85.9130, -45.4410



24.3240, -18.8880, -10.1200



# Inverse Universe

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



149.9500, 38.9680, 20.6640



179.2240, 59.0480, 31.2080



159.8660, 38.6040, 5.2280



92.9190, 4.7220, 2.5300



52.7270, 85.9130, 45.4410

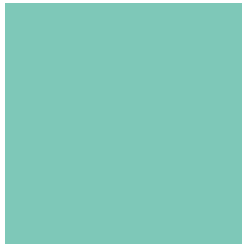


11.6760, 18.8880, 10.1200



# Previews

## White Background



This preview shows how the YIQ color 176.0500, -38.9680, -20.6640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

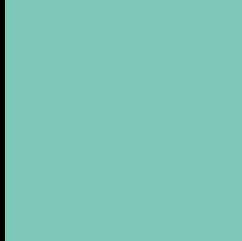
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 176.0500, -38.9680, -20.6640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

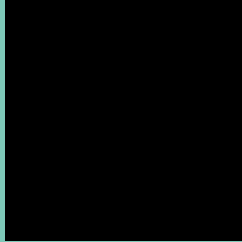
Any Text WCAG AA ✓ Pass

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 176.0500, -38.9680, -20.6640 Background



This preview shows how black text looks on a background with the YIQ color 176.0500, -38.9680, -20.6640.



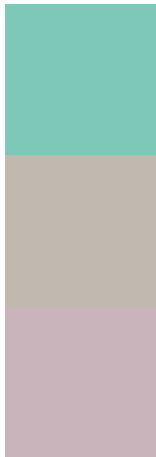
This preview shows how white text looks on a background with the YIQ color 176.0500, -38.9680, -20.6640.

-20.6640.

# 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

176.0500, -38.9680, -20.6640

### Protanopia

185.6540, 6.7860, -1.8380

### Deuteranopia

187.4900, 10.5440, 7.1520



## Tritanopia

178.9870, -42.6840, -8.3800

# Trichromacy



## Original Color

176.0500, -38.9680, -20.6640

## Protanomaly

181.7550, -9.8560, -8.6080

## Deuteranomaly

183.1130, -7.7480, -2.7560

## Tritanomaly

177.5370, -41.5370, -12.6490

# Monochromacy



## Original Color

176.0500, -38.9680, -20.6640

## Achromatopsia

176.0000, -0.0000, -0.0000

## Achromatomaly

176.2430, -14.1660, -7.5900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 176.0500, -38.9680, -20.6640 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(126, 200, 184)` looks like.

```
.text, #text, p{  
    color:rgb(126, 200, 184)  
}
```

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(126, 200, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 200, 184) }
```

## Border

The CSS property to change the border of an element to YIQ 176.0500, -38.9680, -20.6640 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(126, 200, 184) }
```



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

```
.border{ border-color:rgb(126, 200, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 200, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 200, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 200, 184);  
box-shadow:4px 4px 4px 4px rgb(126, 200,  
184) }
```

# Background

The CSS property to change the background color of an element to YIQ 176.0500, -38.9680, -20.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 200, 184) }
```

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

```
.background{ background-color: rgb(126,  
200, 184) }
```

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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