

# Converting Colors

YIQ(174.6740, -40.6650,  
-17.4410)

Have a look what the booklet for  
YIQ(174.6740, -40.6650, -17.4410)  
contains.

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# Color

**YIQ(174.6740, -40.6650,  
-17.4410)**

# Conversions

Conversions Part 1	
Format	Color
Hex	7DC5BE
RGB	125, 197, 190
RGB Percent	49%, 77%, 75%
CMY	0.5100, 0.2273, 0.2551
CMYK	0.37, 0.00, 0.04, 0.23
HSL	174°, 38%, 63%
HSV	174°, 37%, 77%
XYZ	37.7139, 48.0188, 55.9732
YIQ	174.6740, -40.6650, -17.4410

# Conversions

## Conversions Part 2

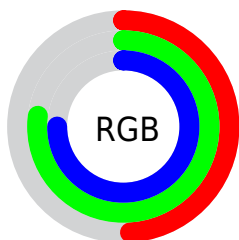
Format	Color
<a href="#">RYB</a>	<a href="#">125, 163, 197</a>
Decimal	<a href="#">8242622</a>
CIELab	<a href="#">74.84, -24.12, -3.60</a>
CIELCh	<a href="#">75, 24.389, 188.488</a>
Yxy	<a href="#">48.0188, 0.2661, 0.3389</a>
Android (android.graphics.Color)	<a href="#">4286432702</a> (0xFF7DC5BE)
YUV	<a href="#">174.6740, 7.5557, -43.5641</a>
Hunter-Lab	<a href="#">69.2956, -24.1192, 0.6157</a>

# Details

The YIQ color **174.6740, -40.6650, -17.4410** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **147.3260, 40.6650, 17.4410**, and the grayscale version is **175.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **230.9620, -41.5360, -18.1760**, and **120.7880, -40.9860, -17.1300** is the 20% darker color. If you saturate the color by 10%, you get **168.4660, -51.9430, -22.3030**, and if you desaturate by 10%, it is **180.8820, -29.3870, -12.5790**.

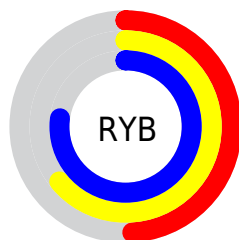
# Distribution



Red (49%)

Green (77%)

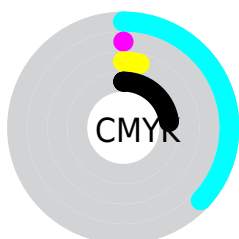
Blue (75%)



Red (49%)

Yellow (64%)

Blue (77%)

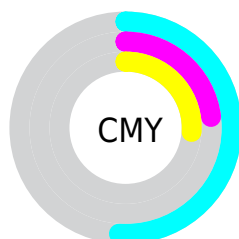


Cyan (37%)

Magenta (0%)

Yellow (4%)

Black (23%)



Cyan (51%)

Magenta (23%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 174.6740, -40.6650, -17.4410 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 174.6740, -40.6650, -17.4410 by changing the saturation by 10% instead.





 174.6740,  
-40.6650, -17.4410


 174.6740,  
-40.6650, -17.4410


255.0000, -0.0000,  
-0.0000


 147.6740,  
-40.6650, -17.4410


 230.9620,  
-41.5360, -18.1760


 120.7880,  
-40.9860, -17.1300


 241.2460,  
-27.4160, -9.7520

 94.1900, -42.1780,  
-17.5540

 249.9170,  
-10.1320, -3.6040

 65.7160, -49.6510,  
-19.7870

 47.2120, -39.2440,  
-15.6600

 31.7900, -26.1320,  
-10.9960

 17.6560, -13.8910,

-7.0670

0.0000, 0.0000,  
0.0000

174.6740,  
-40.6650, -17.4410

174.6740,  
-40.6650, -17.4410

168.4660,  
-51.9430, -22.3030

180.8820,  
-29.3870, -12.5790

162.5570,  
-62.6250, -26.9530

186.7910,  
-18.7050, -7.9290

156.3490,  
-73.9030, -31.8150

192.9990, -7.4270,  
-3.0670

150.1410,  
-85.1810, -36.6770

199.2070, 3.8510,  
1.7950

143.9330,  
-96.4590, -41.5390

205.1160, 14.5330,  
6.4450

■ 138.0240,  
-107.1410, -46.1890

■ 211.3240, 25.8110,  
11.3070

■ 135.9310,  
-111.3130, -47.6730

■ 215.0260, 32.6420,  
14.1620

■ 215.2540, 32.0000,  
14.7840

■ 215.4820, 31.3580,  
15.4060

# Harmonies

## Analogous

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



177.1460, -21.6830, -20.0430



174.6740, -40.6650, -17.4410



174.6980, -49.2400, -10.7120

# Triad

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



174.6740, -40.6650, -17.4410



186.8820, -1.8830, 17.6130



184.4860, 33.5620, -2.5180

# Complementary

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



174.6740, -40.6650, -17.4410



147.3260, 40.6650, 17.4410

# 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.



186.4470, 38.4660, 7.7300



174.6740, -40.6650, -17.4410



188.1850, 19.2530, 20.0290

# Square

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



174.6740, -40.6650, -17.4410



183.6340, -24.8520, 9.8680



187.6780, 33.7420, 16.2540



182.8600, 20.4050, -11.8750



# Rectangle

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



174.6740, -40.6650, -17.4410



177.4690, -46.8570, -4.3370



187.6780, 33.7420, 16.2540



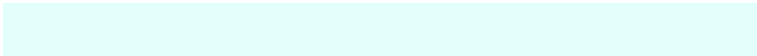
185.5620, 36.4040, 1.0440

# Sweetspot

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



174.6740, -40.6650, -17.4410



246.2860, -15.7250, -6.8690



169.3570, -15.6280, -36.1720



122.6890, -9.4900, -4.2260



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.



174.6740, -40.6650, -17.4410



220.2580, -63.2210, -27.1650



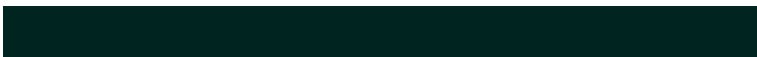
158.4490, -34.9370, -0.0970



96.1950, -5.0430, -2.2190



112.4390, -92.0120, -39.5320



24.7800, -20.1720, -8.8760



# Inverse Universe

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



147.3260, 40.6650, 17.4410



177.7420, 63.2210, 27.1650



163.5510, 34.9370, 0.0970



92.6910, 5.3640, 1.9080



50.5610, 92.0120, 39.5320

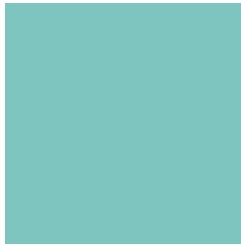


11.2200, 20.1720, 8.8760



# Previews

## White Background



This preview shows how the YIQ color 174.6740, -40.6650, -17.4410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

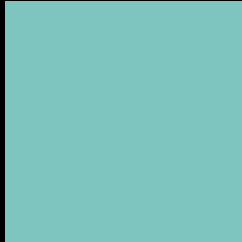
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 174.6740, -40.6650, -17.4410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

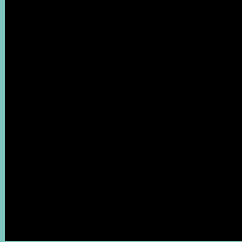
Any Text WCAG AA ✓ Pass

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 174.6740, -40.6650, -17.4410 Background**



This preview shows how black text looks on a background with the YIQ color 174.6740, -40.6650, -17.4410.



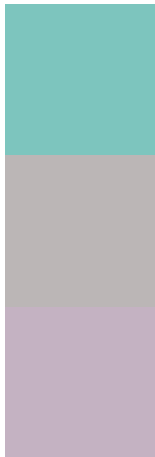
This preview shows how white text looks on a background with the YIQ color 174.6740, -40.6650, -17.4410.



# 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

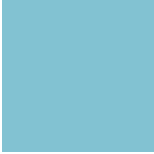
174.6740, -40.6650, -17.4410

### Protanopia

183.4950, 2.9800, 1.0600

### Deuteranopia

185.2060, 5.5920, 8.7920



## Tritanopia

176.6880, -43.2800, -8.5920

# Trichromacy



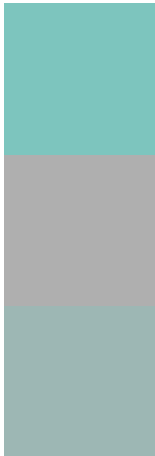
**Original Color**  
174.6740, -40.6650, -17.4410

**Protanomaly**  
179.8950, -13.0660, -5.4980

**Deuteranomaly**  
181.4270, -11.5080, -0.6920

**Tritanomaly**  
175.8790, -42.5000, -11.7160

# Monochromacy



**Original Color**  
174.6740, -40.6650, -17.4410

**Achromatopsia**  
175.0000, -0.0000, -0.0000

**Achromatomaly**  
174.8840, -14.5330, -6.4450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 174.6740, -40.6650, -17.4410 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(125, 197, 190)` looks like.

```
.text, #text, p{  
    color:rgb(125, 197, 190)  
}
```

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(125, 197, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 197, 190) }
```

## Border

The CSS property to change the border of an element to YIQ 174.6740, -40.6650, -17.4410 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(125, 197, 190) }
```



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

```
.border{ border-color:rgb(125, 197, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 197, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 197, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 197, 190);  
box-shadow:4px 4px 4px 4px rgb(125, 197,  
190) }
```

# Background

The CSS property to change the background color of an element to YIQ 174.6740, -40.6650, -17.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 197, 190) }
```

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

```
.background{ background-color: rgb(125,  
197, 190) }
```

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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