

# Converting Colors

YIQ(165.9680, -41.6730,  
-21.2010)

Have a look what the booklet for  
YIQ(165.9680, -41.6730, -21.2010)  
contains.

<b>YIQ(165.9680, -41.6730, -21.2010)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**YIQ(165.9680, -41.6730,  
-21.2010)**

# Conversions

Conversions Part 1	
Format	Color
Hex	71BFB0
RGB	113, 191, 176
RGB Percent	44%, 75%, 69%
CMY	0.5570, 0.2508, 0.3100
CMYK	0.41, 0.00, 0.08, 0.25
HSL	168°, 38%, 60%
HSV	168°, 41%, 75%
XYZ	33.2742, 43.9163, 47.7769
YIQ	165.9680, -41.6730, -21.2010

# Conversions

## Conversions Part 2

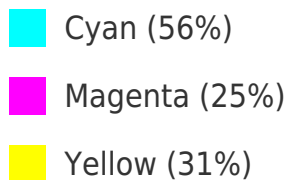
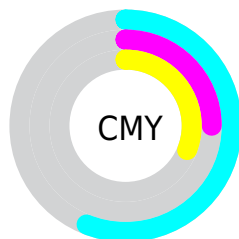
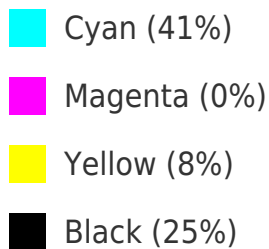
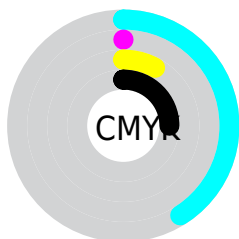
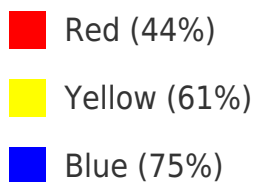
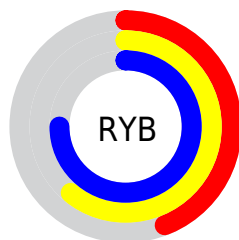
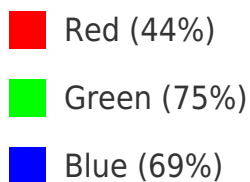
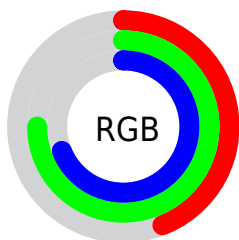
Format	Color
<a href="#">RYB</a>	<a href="#">113, 156, 191</a>
Decimal	<a href="#">7454640</a>
CIELab	<a href="#">72.17, -27.66, 0.04</a>
CIELCh	<a href="#">72, 27.662, 179.911</a>
Yxy	<a href="#">43.9163, 0.2663, 0.3514</a>
Android (android.graphics.Color)	<a href="#">4285644720</a> (0xFF71BFB0)
YUV	<a href="#">165.9680, 4.9458, -46.4529</a>
Hunter-Lab	<a href="#">66.2694, -26.3457, 3.6435</a>

# Details

The YIQ color **165.9680, -41.6730, -21.2010** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **138.0320, 41.6730, 21.2010**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **222.2560, -42.5440, -21.9360**, and **111.8970, -42.9110, -20.7910** is the 20% darker color. If you saturate the color by 10%, you get **159.8310, -51.7130, -26.4730**, and if you desaturate by 10%, it is **172.1050, -31.6330, -15.9290**.

# Distribution




# Brightness & Saturation Gradients

These gradients show how the YIQ color 165.9680, -41.6730, -21.2010 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 165.9680, -41.6730, -21.2010 by changing the saturation by 10% instead.





 165.9680,  
-41.6730, -21.2010


 165.9680,  
-41.6730, -21.2010


255.0000, -0.0000,  
-0.0000

 138.9680,  
-41.6730, -21.2010


 222.1420,  
-42.2230, -22.2470


 111.8970,  
-42.9110, -20.7910


 237.6580,  
-34.5680, -12.2960

 84.8150, -45.6160,  
-21.3280

 246.0300,  
-17.8800, -6.3600


 59.6190, -48.0000,  
-22.1760


 42.9090, -34.0170,  
-16.7770


 27.0140, -20.9510,  
-11.2790


 9.6030, -6.3720,


-5.6680

 0.0000, 0.0000,  
0.0000


 165.9680,  
-41.6730, -21.2010


 165.9680,  
-41.6730, -21.2010


 159.8310,  
-51.7130, -26.4730


 172.1050,  
-31.6330, -15.9290


 153.8080,  
-62.0740, -31.4340


 178.1280,  
-21.2720, -10.9680

 147.6710,  
-72.1140, -36.7060

 184.2650,  
-11.2320, -5.6960


 141.5340,  
-82.1540, -41.9780


 190.4020, -1.1920,  
-0.4240

 135.2120,  
-93.1110, -47.1510


 196.4250, 9.1690,  
4.5370

 129.6730,  
-101.9590, -51.9990

 202.8610, 19.8050,  
10.0210

 208.9980, 29.8450,  
15.2930

 211.7320, 33.6500,  
17.9220

 212.1880, 32.3660,  
19.1660

# Harmonies

## Analogous

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



169.7180, -17.6020, -22.4180



165.9680, -41.6730, -21.2010



164.3440, -57.1710, -15.6590

# Triad

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



165.9680, -41.6730, -21.2010



179.1030, -9.8150, 18.1930



177.8890, 39.7970, 0.1250

# Complementary

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



165.9680, -41.6730, -21.2010



138.0320, 41.6730, 21.2010

# 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.



179.2350, 42.1790, 12.0270



165.9680, -41.6730, -21.2010



181.3140, 14.5760, 22.1920

# Square

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



165.9680, -41.6730, -21.2010



174.3060, -35.6720, 7.7200



180.9000, 33.2370, 19.9010



175.3940, 27.6490, -10.9990



# Rectangle

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



165.9680, -41.6730, -21.2010



166.5600, -57.5390, -8.9870



180.9000, 33.2370, 19.9010



178.1930, 41.9970, 4.3090

# Sweetspot

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



165.9680, -41.6730, -21.2010



237.7590, -15.6790, -7.7030



163.5700, -11.9140, -37.4020



119.2760, -9.7650, -4.7490



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



165.9680, -41.6730, -21.2010



208.1990, -64.7330, -32.8050



154.1770, -40.1630, -4.5070



91.1950, -5.0430, -2.2190



107.3380, -84.5380, -42.8260



21.0470, -16.5500, -8.4380



# Inverse Universe

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



138.0320, 41.6730, 21.2010



164.9150, 64.4120, 33.1160



149.8230, 40.1630, 4.5070



87.9190, 4.7220, 2.5300



50.7760, 84.2170, 43.1370



9.9530, 16.5500, 8.4380



# Previews

## White Background



This preview shows how the YIQ color 165.9680, -41.6730, -21.2010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

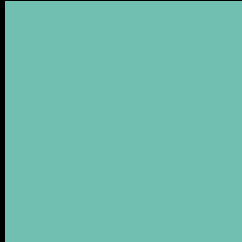
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 165.9680, -41.6730, -21.2010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

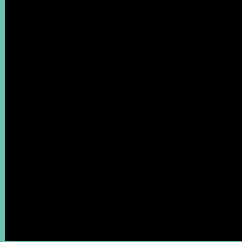
Any Text WCAG AA ✓ Pass

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 165.9680, -41.6730, -21.2010 Background**



This preview shows how black text looks on a background with the YIQ color 165.9680, -41.6730, -21.2010.



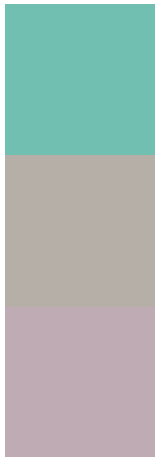
This preview shows how white text looks on a background with the YIQ color 165.9680, -41.6730, -21.2010.



# 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

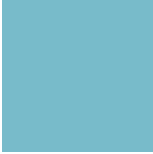
165.9680, -41.6730, -21.2010

### Protanopia

175.8820, 6.1440, -1.2160

### Deuteranopia


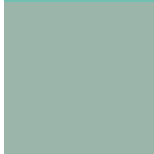
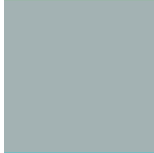
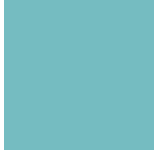
178.0060, 9.0310, 7.0390




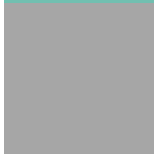
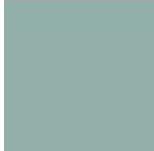
## **Tritanopia**

168.6770, -44.7470, -9.5390

# Trichromacy

	<b>Original Color</b> 165.9680, -41.6730, -21.2010
	<b>Protanomaly</b> 172.2710, -11.3690, -8.7210
	<b>Deuteranomaly</b> 173.6290, -9.2610, -2.8690
	<b>Tritanomaly</b> 167.3410, -43.9210, -13.4970

# Monochromacy

	<b>Original Color</b> 165.9680, -41.6730, -21.2010
	<b>Achromatopsia</b> 166.0000, -0.0000, 0.0000
	<b>Achromatomaly</b> 166.0580, -15.0830, -7.4910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 165.9680, -41.6730, -21.2010 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(113, 191, 176)` looks like.

```
.text, #text, p{  
    color:rgb(113, 191, 176)  
}
```

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(113, 191, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 191, 176) }
```

## Border

The CSS property to change the border of an element to YIQ 165.9680, -41.6730, -21.2010 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(113, 191, 176) }
```



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

```
.border{ border-color:rgb(113, 191, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 191, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 191, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 191, 176);  
box-shadow:4px 4px 4px 4px rgb(113, 191,  
176) }
```

# Background

The CSS property to change the background color of an element to YIQ 165.9680, -41.6730, -21.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 191, 176) }
```

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

```
.background{ background-color: rgb(113,  
191, 176) }
```

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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