

# Converting Colors

YIQ(166.9830, -36.8610,  
-9.2850)

Have a look what the booklet for  
YIQ(166.9830, -36.8610, -9.2850)  
contains.

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# Color

**YIQ(166.9830, -36.8610,  
-9.2850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EB7C0
RGB	126, 183, 192
RGB Percent	49%, 72%, 75%
CMY	0.5060, 0.2822, 0.2472
CMYK	0.34, 0.05, 0.00, 0.25
HSL	188°, 34%, 62%
HSV	188°, 34%, 75%
XYZ	35.0478, 42.1140, 56.1281
YIQ	166.9830, -36.8610, -9.2850

# Conversions

## Conversions Part 2

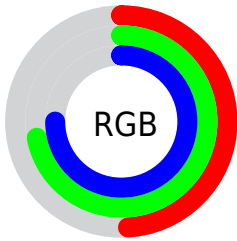
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 157, 192
Decimal	8304576
CIE <sub>Lab</sub>	70.95, -16.24, -10.45
CIE <sub>LCh</sub>	71, 19.309, 212.765
Yxy	42.1140, 0.2629, 0.3160
Android (android.graphics.Color)	4286494656 (0xFF7EB7C0)
YUV	166.9830, 12.3334, -35.9421
Hunter-Lab	64.8953, -17.1648, -5.8533

# Details

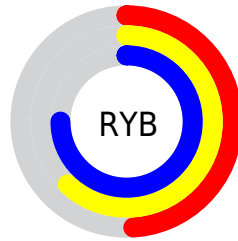
The YIQ color **166.9830, -36.8610, -9.2850** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **151.0170, 36.8610, 9.2850**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **222.6840, -37.4570, -9.4970**, and **113.9830, -36.8610, -9.2850** is the 20% darker color. If you saturate the color by 10%, you get **159.5410, -47.3600, -11.7440**, and if you desaturate by 10%, it is **174.4250, -26.3620, -6.8260**.

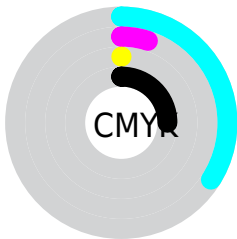
# Distribution



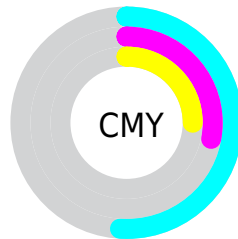
- Red (49%)
- Green (72%)
- Blue (75%)



- Red (49%)
- Yellow (62%)
- Blue (75%)



- Cyan (34%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)



- Cyan (51%)
- Magenta (28%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 166.9830, -36.8610, -9.2850 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 166.9830, -36.8610, -9.2850 by changing the saturation by 10% instead.



■ 166.9830,  
-36.8610, -9.2850

■ 166.9830,  
-36.8610, -9.2850

■ 255.0000, -0.0000,  
-0.0000

■ 139.9830,  
-36.8610, -9.2850

■ 222.6840,  
-37.4570, -9.4970

■ 113.9830,  
-36.8610, -9.2850

■ 241.2460,  
-27.4160, -9.7520

■ 88.5700, -37.1360,  
-9.8080

■ 249.9170,  
-10.1320, -3.6040

■ 61.8900, -41.0330,  
-10.7690

■ 40.8690, -36.5400,  
-9.5960

■ 26.0340, -23.7030,  
-5.4550

■ 7.3180, -9.5830,

2.9690

■ 0.0000, 0.0000,  
0.0000

■ 166.9830,  
-36.8610, -9.2850

■ 166.9830,  
-36.8610, -9.2850

■ 159.5410,  
-47.3600, -11.7440

■ 174.4250,  
-26.3620, -6.8260

■ 152.6860,  
-58.1340, -14.7260

■ 181.2800,  
-15.5880, -3.8440

■ 144.9450,  
-69.2290, -17.3970

■ 189.0210, -4.4930,  
-1.1730

■ 138.0900,  
-80.0030, -20.3790

■ 195.8760, 6.2810,  
1.8090

■ 130.6480,  
-90.5020, -22.8380

■ 203.3180, 16.7800,  
4.2680

■ 123.2060,  
-101.0010, -25.2970

■ 210.7600, 27.2790,  
6.7270

■ 119.3300,  
-107.2820, -27.1060

■ 216.1200, 35.0730,  
8.6490

■ 217.8810, 34.2480,  
7.0800

■ 219.0550, 33.6980,  
6.0340

# Harmonies

## Analogous

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



167.1270, -28.6990, -14.0350



166.9830, -36.8610, -9.2850



169.2810, -34.5240, -2.0760

# Triad

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



166.9830, -36.8610, -9.2850



177.1300, 11.9180, 15.2940



173.0110, 18.6620, -7.8180

# Complementary

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



166.9830, -36.8610, -9.2850



151.0170, 36.8610, 9.2850

# 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.



174.4300, 27.9680, -0.2560



166.9830, -36.8610, -9.2850



176.7200, 24.7560, 13.9080

# Square

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



166.9830, -36.8610, -9.2850



175.8660, -4.9540, 12.6940



176.1410, 30.5800, 7.4760



170.5360, 3.7620, -13.1180



# Rectangle

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



166.9830, -36.8610, -9.2850



171.8630, -27.2350, 3.4930



176.1410, 30.5800, 7.4760



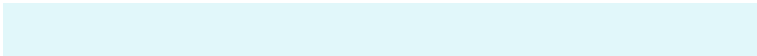
173.3320, 22.1920, -5.7120

# Sweetspot

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



166.9830, -36.8610, -9.2850



240.7640, -14.0750, -3.7310



165.7680, -21.0390, -31.7190



119.3410, -8.3900, -2.1340



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.



166.9830, -36.8610, -9.2850



210.9850, -57.5380, -14.5140



147.6120, -27.7860, 7.9740



93.4230, -5.6850, -1.5970



99.9470, -89.9060, -22.6260



20.7850, -18.5680, -4.9040



# Inverse Universe

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



152.2320, 21.0390, 31.7190



187.9430, 32.8190, 49.5150



170.3880, 27.7860, -7.9740



91.0160, 3.0710, 4.9190



63.9850, 51.3370, 77.3610

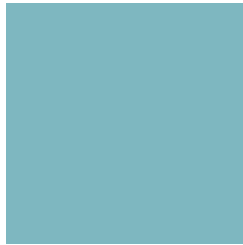


13.1730, 10.3590, 16.0150



# Previews

## White Background



This preview shows how the YIQ color 166.9830, -36.8610, -9.2850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

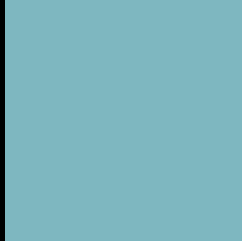
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 166.9830, -36.8610, -9.2850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

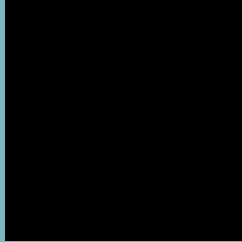
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 166.9830, -36.8610, -9.2850

## Background



This preview shows how black text looks on a background with the YIQ color 166.9830, -36.8610, -9.2850.



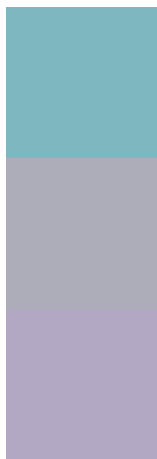
This preview shows how white text looks on a background with the YIQ color 166.9830, -36.8610, -9.2850.

-9.2850.

# 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

166.9830, -36.8610, -9.2850

### Protanopia

173.7810, -3.5770, 4.2550

### Deuteranopia

174.3670, -2.1110, 10.7290



## Tritanopia

167.2650, -37.5950, -6.9950

# Trichromacy



## Original Color

166.9830, -36.8610, -9.2850

## Protanomaly

171.3880, -15.7720, -0.5080

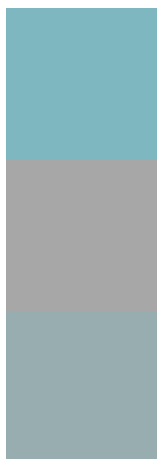
## Deuteranomaly

171.5070, -14.4890, 3.7750

## Tritanomaly

167.0370, -36.9530, -7.6170

# Monochromacy



## Original Color

166.9830, -36.8610, -9.2850

## Achromatopsia

167.0000, -0.0000, -0.0000

## Achromatomaly

167.0630, -13.4790, -3.5190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 166.9830, -36.8610, -9.2850 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, 183, 192)` looks like.

```
.text, #text, p{  
    color:rgb(126, 183, 192)  
}
```

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, 183, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 183, 192) }
```

## Border

The CSS property to change the border of an element to YIQ 166.9830, -36.8610, -9.2850 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, 183, 192) }
```



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

```
.border{ border-color:rgb(126, 183, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 183, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 183, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 183, 192);  
box-shadow:4px 4px 4px 4px rgb(126, 183,  
192) }
```

# Background

The CSS property to change the background color of an element to YIQ 166.9830, -36.8610, -9.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 183, 192) }
```

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

```
.background{ background-color: rgb(126,  
183, 192) }
```

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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