

# Converting Colors

YIQ(178.0930, -32.5000,  
-38.7720)

Have a look what the booklet for  
YIQ(178.0930, -32.5000, -38.7720)  
contains.

<b>YIQ(178.0930, -32.5000, -38.7720)</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(178.0930, -32.5000,  
-38.7720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BD494
RGB	123, 212, 148
RGB Percent	48%, 83%, 58%
CMY	0.5179, 0.1685, 0.4197
CMYK	0.42, 0.00, 0.30, 0.17
HSL	137°, 51%, 66%
HSV	137°, 42%, 83%
XYZ	37.0557, 53.4493, 36.3723
YIQ	178.0930, -32.5000, -38.7720

# Conversions

## Conversions Part 2

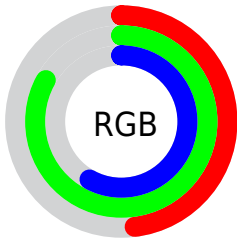
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 192, 212
Decimal	8115348
CIELab	78.14, -40.51, 23.54
CIELCh	78, 46.850, 149.840
Yxy	53.4493, 0.2921, 0.4213
Android (android.graphics.Color)	4286305428 (0xFF7BD494)
YUV	178.0930, -14.8358, -48.3166
Hunter-Lab	73.1090, -37.4671, 21.6791

# Details

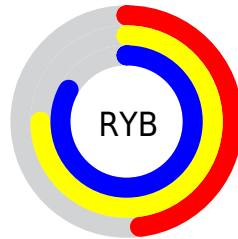
The YIQ color **178.0930, -32.5000, -38.7720** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **156.9070, 32.5000, 38.7720**, and the grayscale version is **178.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **226.2340, -28.2830, -32.5950**, and **123.5490, -33.7840, -37.5280** is the 20% darker color. If you saturate the color by 10%, you get **170.1040, -40.2010, -47.8890**, and if you desaturate by 10%, it is **186.0820, -24.7990, -29.6550**.

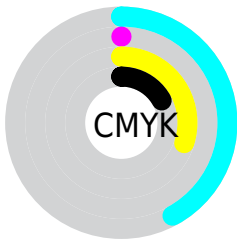
# Distribution



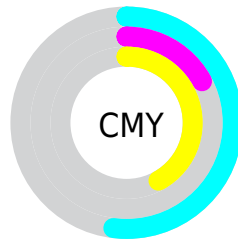
- Red (48%)
- Green (83%)
- Blue (58%)



- Red (48%)
- Yellow (75%)
- Blue (83%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (17%)



- Cyan (52%)
- Magenta (17%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.0930, -32.5000, -38.7720 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 178.0930, -32.5000, -38.7720 by changing the saturation by 10% instead.



■ 178.0930,  
-32.5000, -38.7720

■ 178.0930,  
-32.5000, -38.7720

■ 255.0000, -0.0000,  
-0.0000

■ 150.3210,  
-33.1420, -38.1500

■ 226.2340,  
-28.2830, -32.5950

■ 123.5490,  
-33.7840, -37.5280

■ 238.2110,  
-20.3080, -17.4280

■ 95.9940, -36.5350,  
-37.2310

■ 249.6180,  
-10.7280, -3.8160

■ 66.6340, -44.3290,  
-39.1530

■ 50.0380, -30.6670,  
-33.4430

■ 33.2140, -16.3630,  
-28.3550

■ 20.5450, -9.6250,

-18.3050

■ 0.0000, 0.0000,  
0.0000

■ 178.0930,  
-32.5000, -38.7720

■ 178.0930,  
-32.5000, -38.7720

■ 170.1040,  
-40.2010, -47.8890

■ 186.0820,  
-24.7990, -29.6550

■ 162.0010,  
-47.5810, -57.3170

■ 194.0710,  
-17.0980, -20.5380

■ 153.7130,  
-55.8780, -66.6460


■ 202.4730, -9.1220,  
-10.8980


■ 145.7240,  
-63.5790, -75.7630


■ 210.4620, -1.4210,  
-1.7810

■ 137.7350,  
-71.2800, -84.8800

■ 218.4510, 6.2800,  
7.3360

 131.2840,  
-77.5600, -92.2160

 226.4400, 13.9810,  
16.4530

 229.7590, 11.8250,  
22.4890

# Harmonies

## Analogous

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



185.5960, 11.5600, -33.3040



178.0930, -32.5000, -38.7720



162.7330, -93.0200, -43.2920

# Triad

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



178.0930, -32.5000, -38.7720



182.3720, -62.4010, 2.0390



188.6670, 58.6380, 16.6060

# Complementary

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



178.0930, -32.5000, -38.7720



156.9070, 32.5000, 38.7720

# 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.



191.2210, 45.9350, 32.0710



178.0930, -32.5000, -38.7720



194.8070, -14.4930, 25.8830

# Square

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



178.0930, -32.5000, -38.7720



151.7530, -139.3300, -30.0020



199.0140, 24.8890, 39.0410



192.5360, 65.6560, -0.4560



# Rectangle

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



178.0930, -32.5000, -38.7720



151.9860, -130.3410, -44.2370



199.0140, 24.8890, 39.0410



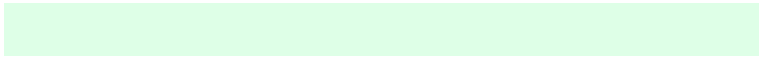
189.0890, 54.6940, 22.0060

# Sweetspot

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



178.0930, -32.5000, -38.7720



242.3970, -11.9640, -14.4600



194.6780, 14.2650, -32.7670



120.0110, -7.7010, -9.1170



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.



178.0930, -32.5000, -38.7720



206.5390, -46.1600, -55.5360



182.9950, -46.3030, -25.3990



102.7990, -3.9880, -4.8200



105.8490, -62.4330, -74.5050



26.6090, -15.6770, -18.7570



# Inverse Universe

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



156.9070, 32.5000, 38.7720



176.3470, 46.4810, 55.2250



152.0050, 46.3030, 25.3990



100.2010, 3.9880, 4.8200



65.1510, 62.4330, 74.5050

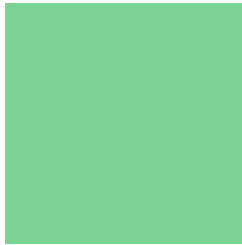


16.3910, 15.6770, 18.7570



# Previews

## White Background



This preview shows how the YIQ color 178.0930, -32.5000, -38.7720 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 178.0930, -32.5000, -38.7720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

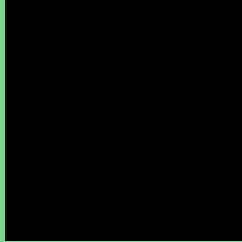
Any Text WCAG AA ✓ Pass

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 178.0930, -32.5000, -38.7720 Background



This preview shows how black text looks on a background with the YIQ color 178.0930, -32.5000, -38.7720.



This preview shows how white text looks on a background with the YIQ color 178.0930, -32.5000, -38.7720.

-38.7720.

# 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

178.0930, -32.5000, -38.7720

### Protanopia

190.4430, 25.9530, -13.3030

### Deuteranopia

193.1270, 33.1950, -1.3730



## Tritanopia

185.6880, -43.2800, -8.5920

# Trichromacy



## Original Color

178.0930, -32.5000, -38.7720



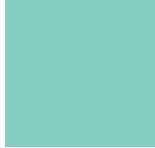
## Protanomaly

185.6250, 4.5890, -22.6030



## Deuteranomaly

187.7060, 9.0350, -15.0690



## Tritanomaly

182.6910, -39.3350, -19.5190

# Monochromacy



## Original Color

178.0930, -32.5000, -38.7720



## Achromatopsia

178.0000, -0.0000, -0.0000



## Achromatomaly

177.8100, -11.6890, -13.9370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.0930, -32.5000, -38.7720 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(123, 212, 148)` looks like.

```
.text, #text, p{  
    color:rgb(123, 212, 148)  
}
```

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(123, 212, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 212, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 178.0930, -32.5000, -38.7720 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(123, 212, 148) }
```



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

```
.border{ border-color:rgb(123, 212, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 212, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 212, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 212, 148); box-shadow:4px 4px 4px 4px rgb(123, 212, 148) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.0930, -32.5000, -38.7720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 212, 148) }
```

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

```
.background{ background-color: rgb(123,  
212, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor