

# Converting Colors

YIQ(180.5800, 9.6300, -9.3300)

Have a look what the booklet for  
YIQ(180.5800, 9.6300, -9.3300)  
contains.

<b>YIQ(180.5800, 9.6300, -9.3300)</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(180.5800, 9.6300,  
-9.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8B89A
RGB	184, 184, 154
RGB Percent	72%, 72%, 60%
CMY	0.2784, 0.2784, 0.3960
CMYK	0.00, 0.00, 0.16, 0.28
HSL	60°, 17%, 66%
HSV	60°, 16%, 72%
XYZ	42.7405, 46.8043, 37.3602
YIQ	180.5800, 9.6300, -9.3300

# Conversions

## Conversions Part 2

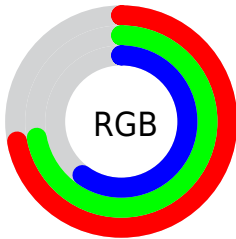
Format	Color
<a href="#">RYB</a>	<a href="#">154, 184, 154</a>
Decimal	<a href="#">12105882</a>
CIELab	<a href="#">74.06, -5.15, 15.27</a>
CIELCh	<a href="#">74, 16.111, 108.626</a>
Yxy	<a href="#">46.8043, 0.3368, 0.3688</a>
Android (android.graphics.Color)	<a href="#">4290295962</a> ( <a href="#">0xFFB8B89A</a> )
YUV	<a href="#">180.5800, -13.1039, 2.9993</a>
Hunter-Lab	<a href="#">68.4137, -8.2084, 15.5118</a>

# Details

The YIQ color **180.5800, 9.6300, -9.3300** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **157.4200, -9.6300, 9.3300**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **236.3520, 10.2720, -9.9520**, and **127.8080, 8.9880, -8.7080** is the 20% darker color. If you saturate the color by 10%, you get **178.5280, 15.4080, -14.9280**, and if you desaturate by 10%, it is **182.6320, 3.8520, -3.7320**.

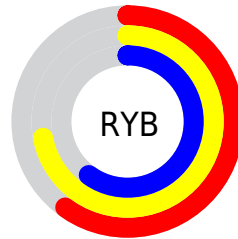
# Distribution



Red (72%)

Green (72%)

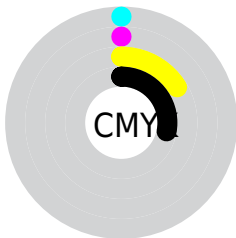
Blue (60%)



Red (60%)

Yellow (72%)

Blue (60%)

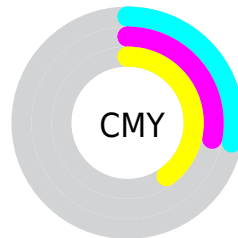


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (28%)



Cyan (28%)

Magenta (28%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 180.5800, 9.6300, -9.3300 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 180.5800, 9.6300, -9.3300 by changing the saturation by 10% instead.



■ 180.5800, 9.6300,  
-9.3300

■ 180.5800, 9.6300,  
-9.3300

■ 255.0000, -0.0000,  
-0.0000

■ 153.6940, 9.3090,  
-9.0190

■ 236.3520, 10.2720,  
-9.9520

■ 127.8080, 8.9880,  
-8.7080

■ 252.9480, 5.7780,  
-5.5980

■ 102.6230, 8.0710,  
-8.6090

■ 78.7370, 7.7500,  
-8.2980

■ 55.8510, 7.4290,  
-7.9870

■ 33.9650, 7.1080,  
-7.6760

■ 12.6700, 0.6890,

-6.9830

■ 0.0000, 0.0000,  
0.0000

■ 180.5800, 9.6300,  
-9.3300

■ 180.5800, 9.6300,  
-9.3300

■ 178.5280, 15.4080,  
-14.9280

■ 182.6320, 3.8520,  
-3.7320

■ 176.3620, 21.5070,  
-20.8370

■ 184.7980, -2.2470,  
2.1770

■ 174.3100, 27.2850,  
-26.4350

■ 186.8500, -8.0250,  
7.7750

■ 172.1440, 33.3840,  
-32.3440

■ 189.0160,  
-14.1240, 13.6840

■ 170.0920, 39.1620,  
-37.9420

■ 191.0680,  
-19.9020, 19.2820

■ 168.0400, 44.9400,  
-43.5400

■ 192.0940,  
-22.7910, 22.0810

■ 165.8740, 51.0390,  
-49.4490

■ 163.8220, 56.8170,  
-55.0470

■ 163.0240, 59.0640,  
-57.2240

# Harmonies

## Analogous

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



182.0160, 20.2660, -3.8460



180.5800, 9.6300, -9.3300



178.7570, -4.1700, -12.5380

# Triad

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



180.5800, 9.6300, -9.3300



177.8530, -30.4430, -4.4510



184.8870, 16.9160, 12.8200

# Complementary

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



180.5800, 9.6300, -9.3300



157.4200, -9.6300, 9.3300

# 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.



184.3570, 3.8490, 12.8490



180.5800, 9.6300, -9.3300



180.1900, -23.8420, 2.5740

# Square

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



180.5800, 9.6300, -9.3300



176.9470, -28.0120, -9.9640



182.8220, -10.8220, 8.9060



184.6720, 24.7110, 9.2150



# Rectangle

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



180.5800, 9.6300, -9.3300



177.9670, -13.5690, -12.9050



182.8220, -10.8220, 8.9060



184.8480, 12.6520, 13.0040

# Sweetspot

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



180.5800, 9.6300, -9.3300



238.6320, 3.8520, -3.7320



162.9700, 17.8800, 6.3600



119.2020, 2.2470, -2.1770



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



180.5800, 9.6300, -9.3300



234.5280, 15.4080, -14.9280



176.0950, 0.6900, -12.5100



90.9740, 2.8890, -2.7990



138.2160, 50.0760, -48.5160



24.8080, 8.9880, -8.7080



# Inverse Universe

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



157.4200, -9.6300, 9.3300



197.4720, -15.4080, 14.9280



161.9050, -0.6900, 12.5100



84.0260, -2.8890, 2.7990



17.7840, -50.0760, 48.5160



3.1920, -8.9880, 8.7080



# Previews

## White Background



This preview shows how the YIQ color 180.5800, 9.6300, -9.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

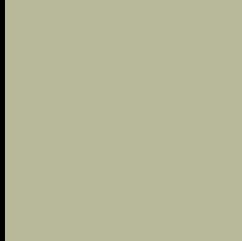
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 180.5800, 9.6300, -9.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

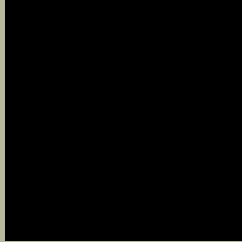
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

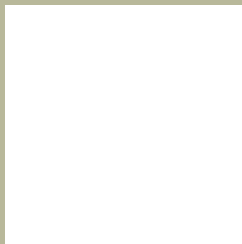
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 180.5800, 9.6300, -9.3300**

## **Background**



This preview shows how black text looks on a background with the YIQ color 180.5800, 9.6300, -9.3300.



This preview shows how white text looks on a background with the YIQ color 180.5800, 9.6300,

-9.3300.

# 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

180.5800, 9.6300, -9.3300

### Protanopia

181.6840, 15.2690, -6.8990

### Deuteranopia

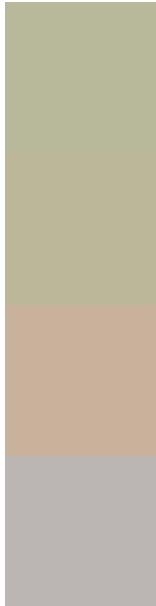
183.0000, 26.3630, 1.2990



## Tritanopia

183.5860, 1.4660, 6.4740

# Trichromacy



## Original Color

180.5800, 9.6300, -9.3300

## Protanomaly

181.3740, 13.2060, -8.0580

## Deuteranomaly

181.9560, 20.4950, -2.4890

## Tritanomaly

182.5660, 4.2180, 0.6500

# Monochromacy



## Original Color

180.5800, 9.6300, -9.3300

## Achromatopsia

181.0000, -0.0000, 0.0000

## Achromatomaly

180.7460, 3.5310, -3.4210

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 180.5800, 9.6300, -9.3300 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(184, 184, 154)` looks like.

```
.text, #text, p{  
    color:rgb(184, 184, 154)  
}
```

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(184, 184, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 184, 154) }
```

## Border

The CSS property to change the border of an element to YIQ 180.5800, 9.6300, -9.3300 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(184, 184, 154) }
```



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

```
.border{ border-color:rgb(184, 184, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 184, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 184, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 184, 154);  
box-shadow:4px 4px 4px 4px rgb(184, 184,  
154) }
```

# Background

The CSS property to change the background color of an element to YIQ 180.5800, 9.6300, -9.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 184, 154) }
```

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

```
.background{ background-color: rgb(184,  
184, 154) }
```

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