

# Converting Colors

YIQ(178.0190, 7.0160, -6.0080)

Have a look what the booklet for  
YIQ(178.0190, 7.0160, -6.0080)  
contains.

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# Color

**YIQ(178.0190, 7.0160,  
-6.0080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5B4A0
RGB	181, 180, 160
RGB Percent	71%, 71%, 63%
CMY	0.2902, 0.2941, 0.3725
CMYK	0.00, 0.01, 0.12, 0.29
HSL	57°, 12%, 67%
HSV	57°, 12%, 71%
XYZ	41.7227, 45.0042, 39.7504
YIQ	178.0190, 7.0160, -6.0080

# Conversions

## Conversions Part 2

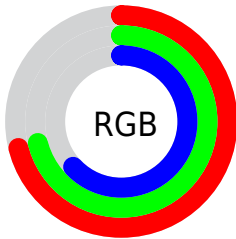
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 181, 160
Decimal	11908256
CIE <sub>Lab</sub>	72.89, -3.17, 10.33
CIE <sub>LCh</sub>	73, 10.801, 107.059
Yxy	45.0042, 0.3299, 0.3558
Android (android.graphics.Color)	4290098336 (0xFFB5B4A0)
YUV	178.0190, -8.8834, 2.6143
Hunter-Lab	67.0852, -6.3834, 11.8281

# Details

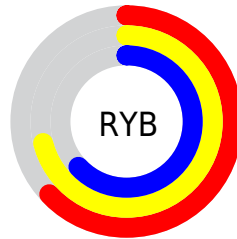
The YIQ color **178.0190, 7.0160, -6.0080** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **162.9810, -7.0160, 6.0080**, and the grayscale version is **178.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **233.9050, 7.3370, -6.3190**, and **125.2470, 6.3740, -5.3860** is the 20% darker color. If you saturate the color by 10%, you get **175.3800, 13.0690, -11.0830**, and if you desaturate by 10%, it is **180.6580, 0.9630, -0.9330**.

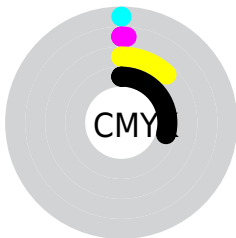
# Distribution



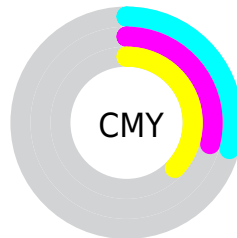
- Red (71%)
- Green (71%)
- Blue (63%)



- Red (63%)
- Yellow (71%)
- Blue (63%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (29%)



- Cyan (29%)
- Magenta (29%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.0190, 7.0160, -6.0080 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 178.0190, 7.0160, -6.0080 by changing the saturation by 10% instead.



■ 178.0190, 7.0160,  
-6.0080

■ 178.0190, 7.0160,  
-6.0080

■ 255.0000, -0.0000,  
-0.0000

■ 151.1330, 6.6950,  
-5.6970

■ 233.9050, 7.3370,  
-6.3190

■ 125.2470, 6.3740,  
-5.3860

■ 253.6320, 3.8520,  
-3.7320

■ 100.2470, 6.3740,  
-5.3860

■ 76.3610, 6.0530,  
-5.0750

■ 54.0620, 5.4570,  
-5.2870

■ 32.2900, 4.8150,  
-4.6650

■ 9.4360, 1.4680,

-4.5800

■ 0.0000, 0.0000,  
0.0000

■ 178.0190, 7.0160,  
-6.0080

■ 178.0190, 7.0160,  
-6.0080

■ 175.3800, 13.0690,  
-11.0830

■ 180.6580, 0.9630,  
-0.9330

■ 172.7410, 19.1220,  
-16.1580

■ 183.2970, -5.0900,  
4.1420

■ 170.1020, 25.1750,  
-21.2330

■ 185.9360,  
-11.1430, 9.2170

■ 168.0500, 30.9530,  
-26.8310

■ 187.9880,  
-16.9210, 14.8150

■ 165.4110, 37.0060,  
-31.9060

■ 190.7410,  
-23.2950, 20.2010

■ 162.6580, 43.3800,  
-37.2920

■ 191.7840,  
-24.8540, 20.9220

■ 160.0190, 49.4330,  
-42.3670

■ 192.3710,  
-25.1290, 20.3990

■ 157.3800, 55.4860,  
-47.4420

■ 192.9580,  
-25.4040, 19.8760

■ 155.0830, 60.5760,  
-51.5840

■ 193.5450,  
-25.6790, 19.3530

# Harmonies

## Analogous

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



179.2480, 13.8010, -2.3190



178.0190, 7.0160, -6.0080



177.0610, -1.9700, -8.3540

# Triad

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



178.0190, 7.0160, -6.0080



176.6540, -19.5770, -3.1370



181.4300, 10.7730, 8.5090

# Complementary

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



178.0190, 7.0160, -6.0080



162.9810, -7.0160, 6.0080

# 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.



180.8250, 2.2910, 8.0430



178.0190, 7.0160, -6.0080



177.8550, -15.5890, 1.6830

# Square

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



178.0190, 7.0160, -6.0080



175.9160, -17.5590, -6.6710



179.6820, -7.6120, 5.7960



180.4860, 16.3670, 6.2470



# Rectangle

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



178.0190, 7.0160, -6.0080



176.2390, -8.3430, -8.4950



179.6820, -7.6120, 5.7960



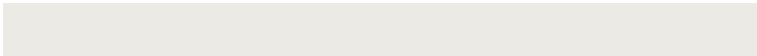
180.8750, 8.0220, 8.8060

# Sweetspot

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



178.0190, 7.0160, -6.0080



233.6150, 2.5220, -1.6540



166.3930, 12.1950, 4.7630



116.5440, 1.2840, -1.2440



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



178.0190, 7.0160, -6.0080



230.0640, 11.1430, -9.2170



175.9150, 1.3770, -8.4390



87.9740, 2.8890, -2.7990



131.4490, 51.0380, -43.9220



21.8620, 8.8960, -7.0400



# Inverse Universe

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



162.9810, -7.0160, 6.0080



206.3490, -10.8680, 9.7400



165.0850, -1.3770, 8.4390



81.6130, -3.1640, 2.2760



21.5510, -51.0380, 43.9220



3.5510, -8.6210, 7.5630



# Previews

## White Background



This preview shows how the YIQ color 178.0190, 7.0160, -6.0080 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 178.0190, 7.0160, -6.0080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

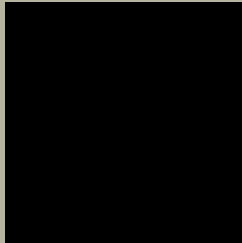
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 178.0190, 7.0160, -6.0080**

## **Background**



This preview shows how black text looks on a background with the YIQ color 178.0190, 7.0160, -6.0080.



This preview shows how white text looks on a background with the YIQ color 178.0190, 7.0160,

-6.0080.

# 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

178.0190, 7.0160, -6.0080

### Protanopia

178.5250, 11.4630, -4.0010

### Deuteranopia

179.8300, 21.0900, 3.2500



## Tritanopia

180.2870, 0.8700, 6.2620

# Trichromacy



## Original Color

178.0190, 7.0160, -6.0080

## Protanomaly

178.5140, 9.9960, -4.9480

## Deuteranomaly

179.0850, 15.8180, -0.3260

## Tritanomaly

179.3210, 3.5300, 2.1060

# Monochromacy



## Original Color

178.0190, 7.0160, -6.0080

## Achromatopsia

178.0000, -0.0000, -0.0000

## Achromatomaly

178.0880, 2.5680, -2.4880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.0190, 7.0160, -6.0080 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(181, 180, 160)` looks like.

```
.text, #text, p{  
    color:rgb(181, 180, 160)  
}
```

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(181, 180, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 180, 160) }
```

## Border

The CSS property to change the border of an element to YIQ 178.0190, 7.0160, -6.0080 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(181, 180, 160) }
```



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

```
.border{ border-color:rgb(181, 180, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 180, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 180, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 180, 160);  
box-shadow:4px 4px 4px 4px rgb(181, 180,  
160) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.0190, 7.0160, -6.0080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 180, 160) }
```

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

```
.background{ background-color: rgb(181,  
180, 160) }
```

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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