

# Converting Colors

YIQ(174.0000, 0.0000, 0.0000)

Have a look what the booklet for  
YIQ(174.0000, 0.0000, 0.0000)  
contains.

<b>YIQ(174.0000, 0.0000, 0.0000)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	16
<b><i>Color Blindness Simulation</i></b> .....	20
<b><i>CSS Examples</i></b> .....	23

# Color

**YIQ(174.0000, 0.0000,  
0.0000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEAEAE
RGB	174, 174, 174
RGB Percent	68%, 68%, 68%
CMY	0.3176, 0.3176, 0.3176
CMYK	0.00, 0.00, 0.00, 0.32
HSL	0°, 0%, 68%
HSV	121°, 0%, 68%
XYZ	40.2316, 42.3268, 46.0938
YIQ	174.0000, 0.0000, 0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	174, 174, 174
Decimal	11447982
CIE Lab	71.10, 0.00, -0.01
CIE LCh	71, 0.009, 296.813
Yxy	42.3268, 0.3127, 0.3290
Android (android.graphics.Color)	4289638062 (0xFFAEAEAE)
YUV	174.0000, 0.0000, 0.0000
Hunter-Lab	65.0590, -3.4714, 3.5348

# Details

The YIQ color **174.0000, 0.0000, 0.0000** is a light color, and the **websafe** version is hex **999999**. A complement of this color would be **174.0000, -0.0000, -0.0000**, and the grayscale version is **174.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **229.0000, -0.0000, -0.0000**, and **122.0000, 0.0000, -0.0000** is the 20% darker color. If you saturate the color by 10%, you get **166.9790, -4.6750, -8.8910**, and if you desaturate by 10%, it is **181.0210, 4.6750, 8.8910**.

# Distribution



Red (68%)

Green (68%)

Blue (68%)



Red (68%)

Yellow (68%)

Blue (68%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (32%)

Magenta (32%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 174.0000, 0.0000, 0.0000 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 174.0000, 0.0000, 0.0000 by changing the saturation by 10% instead.



■ 174.0000, 0.0000,  
0.0000

■ 201.0000, -0.0000,  
0.0000

■ 229.0000, -0.0000,  
-0.0000

■ 255.0000, -0.0000,  
-0.0000

■ 174.0000, 0.0000,  
0.0000

■ 147.0000, -0.0000,  
0.0000

■ 122.0000, 0.0000,  
-0.0000

■ 97.0000, -0.0000,  
0.0000

■ 73.0000, -0.0000,  
-0.0000

■ 51.0000, -0.0000,  
-0.0000

■ 30.0000, -0.0000,  
-0.0000

■ 4.0000, -0.0000,  
-0.0000

■ 0.0000, 0.0000,  
0.0000

■ 174.0000, 0.0000,

■ 174.0000, 0.0000,

0.0000

■ 166.9790, -4.6750,  
-8.8910

■ 159.6590, -9.9460,  
-17.9940

■ 152.6380,  
-14.6210, -26.8850

■ 145.3180,  
-19.8920, -35.9880

■ 138.2970,  
-24.5670, -44.8790

■ 131.2760,  
-29.2420, -53.7700

■ 123.9560,  
-34.5130, -62.8730

■ 116.9350,  
-39.1880, -71.7640

■ 109.6150,  
-44.4590, -80.8670

0.0000

■ 181.0210, 4.6750,  
8.8910

■ 188.3410, 9.9460,  
17.9940

■ 195.3620, 14.6210,  
26.8850

■ 202.6820, 19.8920,  
35.9880

■ 207.4530, 22.2750,  
42.3630

# Harmonies

## Analogous

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



174.0000, -0.0000, -0.0000



174.0000, 0.0000, 0.0000

# Complementary

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



174.0000, 0.0000, 0.0000



174.0000, -0.0000, -0.0000

# 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.



174.0000, -0.0000, -0.0000



174.0000, 0.0000, 0.0000

# Rectangle

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



174.0000, 0.0000, 0.0000



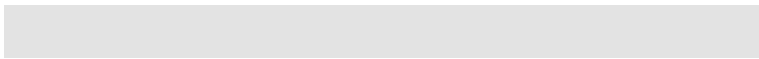
174.0000, -0.0000, -0.0000

# Sweetspot

The sweet spot groups the original color and five complimentary colors.



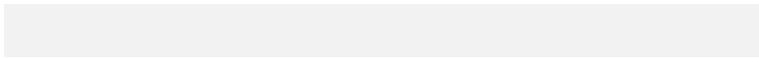
174.0000, -0.0000, -0.0000



227.0000, -0.0000, -0.0000



115.0000, -0.0000, 0.0000



242.0000, -0.0000, 0.0000

# Previews

## White Background



This preview shows how the YIQ color 174.0000, 0.0000, 0.0000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

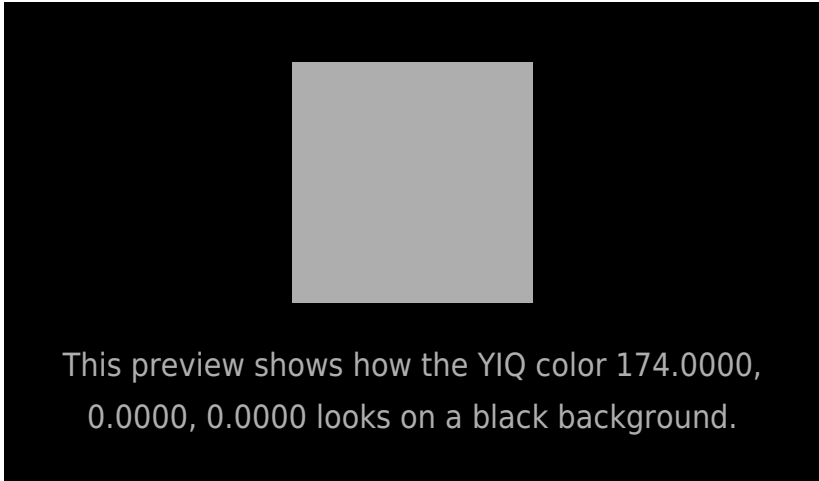
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

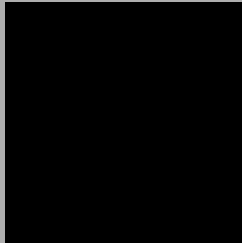
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

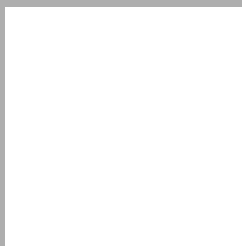
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 174.0000, 0.0000, 0.0000**

## **Background**



This preview shows how black text looks on a background with the YIQ color 174.0000, 0.0000, 0.0000.



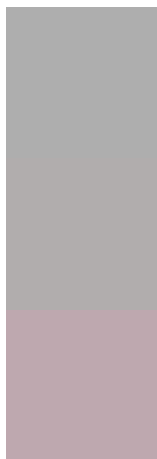
This preview shows how white text looks on a background with the YIQ color 174.0000, 0.0000,

0.0000.

# 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

174.0000, -0.0000, -0.0000

### Protanopia

174.1960, 2.3840, 0.8480

### Deuteranopia

175.3760, 10.8650, 6.8410



## **Tritanopia**

174.7920, -2.1100, 5.2020

# Trichromacy



## Original Color

174.0000, -0.0000, -0.0000

## Protanomaly

173.8970, 1.7880, 0.6360

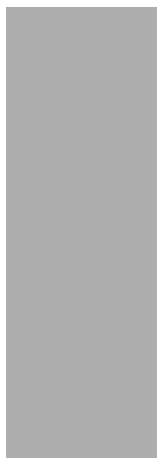
## Deuteranomaly

174.7560, 6.7390, 4.5230

## Tritanomaly

174.6240, -1.6970, 3.2230

# Monochromacy



## Original Color

174.0000, -0.0000, -0.0000

## Achromatopsia

174.0000, -0.0000, -0.0000

## Achromatomaly

174.0000, -0.0000, -0.0000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 174.0000, 0.0000, 0.0000 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(174, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(174, 174, 174)  
}
```

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(174, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 174, 174) }
```

## Border

The CSS property to change the border of an element to YIQ 174.0000, 0.0000, 0.0000 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(174, 174, 174) }
```



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

```
.border{ border-color:rgb(174, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(174, 174,  
174) }
```

# Background

The CSS property to change the background color of an element to YIQ 174.0000, 0.0000, 0.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 174, 174) }
```

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

```
.background{ background-color: rgb(174,  
174, 174) }
```

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