

# Converting Colors

YIQ(156.7040, -4.6780, 7.6900)

Have a look what the booklet for  
YIQ(156.7040, -4.6780, 7.6900)  
contains.

<b>YIQ(156.7040, -4.6780, 7.6900)</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(156.7040, -4.6780,  
7.6900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9D99AF
RGB	157, 153, 175
RGB Percent	62%, 60%, 69%
CMY	0.3843, 0.4000, 0.3138
CMYK	0.10, 0.13, 0.00, 0.31
HSL	251°, 12%, 64%
HSV	251°, 13%, 69%
XYZ	33.0337, 33.0454, 45.1901
YIQ	156.7040, -4.6780, 7.6900

# Conversions

## Conversions Part 2

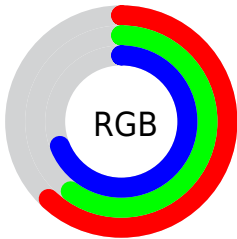
Format	Color
<a href="#">RYB</a>	<a href="#">157, 153, 175</a>
Decimal	<a href="#">10328495</a>
CIELab	<a href="#">64.20, 5.86, -10.91</a>
CIElCh	<a href="#">64, 12.388, 298.242</a>
Yxy	<a href="#">33.0454, 0.2969, 0.2970</a>
Android (android.graphics.Color)	<a href="#">4288518575</a> ( <a href="#">0xFF9D99AF</a> )
YUV	<a href="#">156.7040, 9.0199, 0.2596</a>
Hunter-Lab	<a href="#">57.4851, 1.9757, -6.3693</a>

# Details

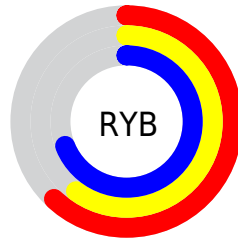
The YIQ color  $156.7040, -4.6780, 7.6900$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $171.2960, 4.6780, -7.6900$ , and the grayscale version is  $157.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $211.2310, -4.7240, 8.5240$ , and  $105.5900, -4.3570, 7.3790$  is the 20% darker color. If you saturate the color by 10%, you get  $142.5390, -8.3470, 13.6130$ , and if you desaturate by 10%, it is  $171.4560, -1.2840, 1.2440$ .

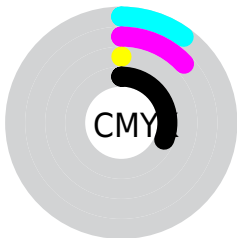
# Distribution



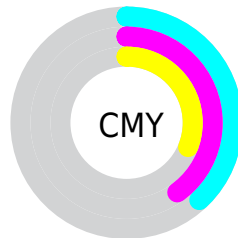
- Red (62%)
- Green (60%)
- Blue (69%)



- Red (62%)
- Yellow (60%)
- Blue (69%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (40%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 156.7040, -4.6780, 7.6900 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 156.7040, -4.6780, 7.6900 by changing the saturation by 10% instead.



■ 156.7040, -4.6780,  
7.6900

■ 156.7040, -4.6780,  
7.6900

■ 255.0000, -0.0000,  
-0.0000

■ 130.5900, -4.3570,  
7.3790

■ 211.2310, -4.7240,  
8.5240

■ 105.5900, -4.3570,  
7.3790

■ 239.3620, -3.7150,  
6.7570

■ 81.1770, -4.6320,  
6.8560

■ 58.0630, -4.3110,  
6.5450

■ 36.5360, -4.2650,  
5.7110

■ 15.2480, -3.3940,  
6.4460

■ 0.2280, -0.6420,

0.6220

0.0000, 0.0000,  
0.0000

156.7040, -4.6780,  
7.6900

156.7040, -4.6780,  
7.6900

142.5390, -8.3470,  
13.6130

171.4560, -1.2840,  
1.2440

127.4880,  
-12.3370, 19.8470

185.9200, 2.9810,  
-4.4670

113.3230,  
-16.0060, 25.7700

200.0850, 6.6500,  
-10.3900

98.5710, -19.4000,  
32.2160

214.8370, 10.0440,  
-16.8360

84.1070, -23.6650,  
37.9270

229.3010, 14.3090,  
-22.5470

■ 69.3550, -27.0590,  
44.3730

■ 242.2920, 18.5280,  
-27.4240

■ 55.1900, -30.7280,  
50.2960

■ 245.8800, 25.6800,  
-24.8800

■ 40.4380, -34.1220,  
56.7420

■ 29.5180, -37.1030,  
61.2090

# Harmonies

## Analogous

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



155.0940, -14.7640, 3.2520



156.7040, -4.6780, 7.6900



157.9180, 6.4630, 9.5270

# Triad

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



156.7040, -4.6780, 7.6900



156.5800, 18.7980, 0.7340



151.9330, -16.2290, -8.7490

# Complementary

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



156.7040, -4.6780, 7.6900



171.2960, 4.6780, -7.6900

# 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.



153.0820, -6.4630, -9.5270



156.7040, -4.6780, 7.6900



155.5960, 12.7010, -4.4110

# Square

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



156.7040, -4.6780, 7.6900



157.6280, 18.8430, 5.4270



153.9970, 4.0820, -7.9020



151.9910, -22.1440, -6.1760



# Rectangle

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



156.7040, -4.6780, 7.6900



157.4410, 12.2400, 9.4560



153.9970, 4.0820, -7.9020



152.3740, -13.1570, -9.3570

# Sweetspot

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



156.7040, -4.6780, 7.6900



219.6240, -1.6970, 3.2230



166.0740, -12.0120, -2.5720



109.9830, -1.3300, 2.0780



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



156.7040, -4.6780, 7.6900



198.6700, -7.3380, 11.8460



159.9930, 1.8780, 10.0220



79.6240, -1.6970, 3.2230



25.1730, -32.0580, 52.3740



3.8180, -4.9990, 8.0010



# Inverse Universe

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



161.6300, 7.3340, 10.2620



206.3580, 11.2760, 15.9160



168.0070, -1.8780, -10.0220



81.4890, 3.1170, 4.0850



58.8720, 49.9170, 70.0530

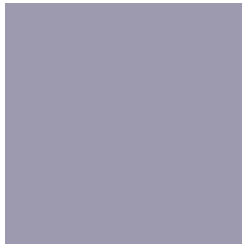


9.0430, 7.6090, 10.7850



# Previews

## White Background



This preview shows how the YIQ color 156.7040, -4.6780, 7.6900 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 156.7040, -4.6780, 7.6900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

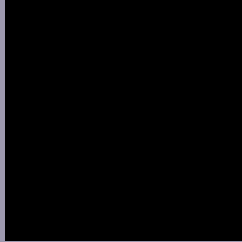
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 156.7040, -4.6780, 7.6900**

## **Background**



This preview shows how black text looks on a background with the YIQ color 156.7040, -4.6780, 7.6900.



This preview shows how white text looks on a background with the YIQ color 156.7040, -4.6780,



# 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

156.7040, -4.6780, 7.6900

### Protanopia

155.9100, -8.2540, 6.4180

### Deuteranopia

156.7260, -1.7440, 9.5840



## Tritanopia

156.0800, -2.9810, 4.4670

# Trichromacy



## Original Color

156.7040, -4.6780, 7.6900

## Protanomaly

156.5080, -7.0620, 6.8420

## Deuteranomaly

157.0140, -2.6150, 8.8490

## Tritanomaly

156.4220, -3.9440, 5.4000

# Monochromacy



## Original Color

156.7040, -4.6780, 7.6900

## Achromatopsia

157.0000, 0.0000, -0.0000

## Achromatomaly

157.2110, -1.9720, 2.7000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 156.7040, -4.6780, 7.6900 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(157, 153, 175)` looks like.

```
.text, #text, p{  
    color:rgb(157, 153, 175)  
}
```

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(157, 153, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 153, 175) }
```

## Border

The CSS property to change the border of an element to YIQ 156.7040, -4.6780, 7.6900 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(157, 153, 175) }
```



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

```
.border{ border-color:rgb(157, 153, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 153, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 153, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 153, 175);  
box-shadow:4px 4px 4px 4px rgb(157, 153,  
175) }
```

# Background

The CSS property to change the background color of an element to YIQ 156.7040, -4.6780, 7.6900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 153, 175) }
```

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

```
.background{ background-color: rgb(157,  
153, 175) }
```

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