

# Converting Colors

YIQ(156.0970, -1.6510, 2.3890)

Have a look what the booklet for  
YIQ(156.0970, -1.6510, 2.3890)  
contains.

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# Color

**YIQ(156.0970, -1.6510,  
2.3890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C9BA2
RGB	156, 155, 162
RGB Percent	61%, 61%, 64%
CMY	0.3882, 0.3921, 0.3647
CMYK	0.04, 0.04, 0.00, 0.36
HSL	249°, 4%, 62%
HSV	249°, 4%, 64%
XYZ	31.9532, 33.1192, 38.8895
YIQ	156.0970, -1.6510, 2.3890

# Conversions

## Conversions Part 2

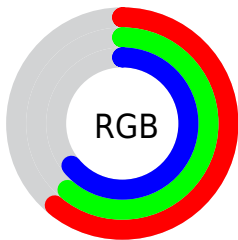
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 155, 162
Decimal	10263458
CIELab	64.26, 1.73, -3.53
CIELCh	64, 3.928, 296.119
Yxy	33.1192, 0.3074, 0.3186
Android (android.graphics.Color)	4288453538 (0xFF9C9BA2)
YUV	156.0970, 2.9102, -0.0851
Hunter-Lab	57.5493, -1.6022, 0.2186

# Details

The YIQ color **156.0970, -1.6510, 2.3890** is a light color, and the websafe version is hex **999999**. A complement of this color would be **160.9030, 1.6510, -2.3890**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **210.2110, -1.9720, 2.7000**, and **104.9830, -1.3300, 2.0780** is the 20% darker color. If you saturate the color by 10%, you get **142.5190, -5.5950, 7.7890**, and if you desaturate by 10%, it is **169.6750, 2.2930, -3.0110**.

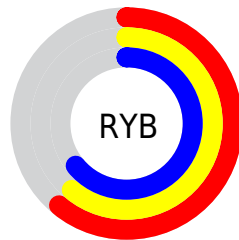
# Distribution



Red (61%)

Green (61%)

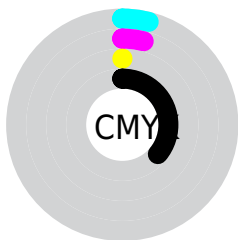
Blue (64%)



Red (61%)

Yellow (61%)

Blue (64%)

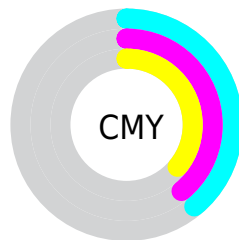


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (36%)



Cyan (39%)

Magenta (39%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 156.0970, -1.6510, 2.3890 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 156.0970, -1.6510, 2.3890 by changing the saturation by 10% instead.



■ 156.0970, -1.6510,  
2.3890

■ 156.0970, -1.6510,  
2.3890

■ 255.0000, -0.0000,  
-0.0000

■ 130.0970, -1.6510,  
2.3890

■ 210.2110, -1.9720,  
2.7000

■ 104.9830, -1.3300,  
2.0780

■ 239.0970, -1.6510,  
2.3890

■ 80.9830, -1.3300,  
2.0780

■ 57.9830, -1.3300,  
2.0780

■ 36.5700, -1.6050,  
1.5550

■ 15.0970, -1.6510,  
2.3890

■ 0.0000, 0.0000,

0.0000

■ 156.0970, -1.6510,  
2.3890

■ 156.0970, -1.6510,  
2.3890

■ 142.5190, -5.5950,  
7.7890

■ 169.6750, 2.2930,  
-3.0110

■ 128.9410, -9.5390,  
13.1890

■ 183.2530, 6.2370,  
-8.4110

■ 114.7760,  
-13.2080, 19.1120

■ 197.4180, 9.9060,  
-14.3340

■ 101.1980,  
-17.1520, 24.5120

■ 210.9960, 13.8500,  
-19.7340

■ 87.9190, -20.5000,  
30.1240

■ 224.2750, 17.1980,  
-25.3460

■ 74.3410, -24.4440,  
35.5240

■ 237.8530, 21.1420,  
-30.7460

■ 60.7630, -28.3880,  
40.9240

■ 243.8000, 28.6610,  
-29.3470

■ 46.5980, -32.0570,  
46.8470

■ 244.3980, 29.8530,  
-28.9230

■ 33.0200, -36.0010,  
52.2470

# Harmonies

## Analogous

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



155.6020, -4.6310, 1.3290



156.0970, -1.6510, 2.3890



156.4780, 1.6500, 3.1380

# Triad

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



156.0970, -1.6510, 2.3890



155.9360, 6.0520, 0.4520



154.6680, -4.9970, -3.0530

# Complementary

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



156.0970, -1.6510, 2.3890



160.9030, 1.6510, -2.3890

# 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.



154.6360, -1.9710, -2.8270



156.0970, -1.6510, 2.3890



155.5120, 4.3100, -1.0180

# Square

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



156.0970, -1.6510, 2.3890



156.8760, 6.2810, 1.8090



154.9030, 1.6510, -2.3890



154.8250, -6.8770, -2.0210



# Rectangle

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



156.0970, -1.6510, 2.3890



156.8480, 3.4840, 2.9400



154.9030, 1.6510, -2.3890



154.8530, -4.0800, -3.1520

# Sweetspot

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



156.0970, -1.6510, 2.3890



210.2280, -0.6420, 0.6220



159.3200, -3.8970, -0.9610



106.1140, -0.3210, 0.3110



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000



# Same Dimension

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



156.0970, -1.6510, 2.3890



202.8520, -2.3390, 3.8450



156.9940, 0.1370, 3.0250



77.5700, -1.6050, 1.5550



22.8090, -34.0290, 49.5470



2.9490, -3.9900, 6.2340



# Inverse Universe

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



157.7770, 2.2460, 3.3500



205.3150, 3.6670, 5.1310



160.0060, -0.1370, -3.0250



78.9510, 1.6960, 2.3040



57.6050, 46.2950, 69.6150



7.0920, 5.9130, 8.4810



# Previews

## White Background



This preview shows how the YIQ color 156.0970, -1.6510, 2.3890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

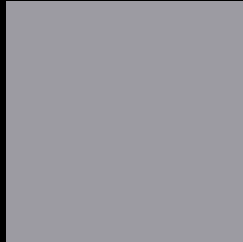
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 156.0970, -1.6510, 2.3890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

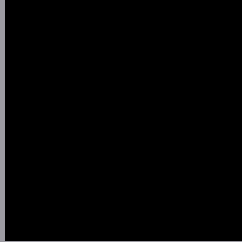
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 156.0970, -1.6510, 2.3890**

## **Background**



This preview shows how black text looks on a background with the YIQ color 156.0970, -1.6510, 2.3890.



This preview shows how white text looks on a background with the YIQ color 156.0970, -1.6510,



# 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

156.0970, -1.6510, 2.3890

### Protanopia

156.3960, -1.0550, 2.6010

### Deuteranopia

157.4510, 6.2800, 7.3360



## Tritanopia

156.2650, -2.0640, 4.3680

# Trichromacy



## Original Color

156.0970, -1.6510, 2.3890

## Protanomaly

156.3960, -1.0550, 2.6010

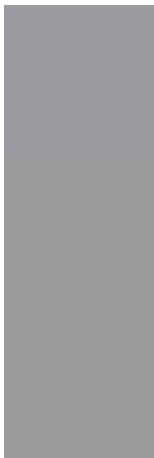
## Deuteranomaly

156.8420, 3.6210, 5.9650

## Tritanomaly

156.1510, -1.7430, 4.0570

# Monochromacy



## Original Color

156.0970, -1.6510, 2.3890

## Achromatopsia

156.0000, -0.0000, -0.0000

## Achromatomaly

156.2280, -0.6420, 0.6220

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 156.0970, -1.6510, 2.3890 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(156, 155, 162)` looks like.

```
.text, #text, p{  
    color:rgb(156, 155, 162)  
}
```

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(156, 155, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 155, 162) }
```

## Border

The CSS property to change the border of an element to YIQ 156.0970, -1.6510, 2.3890 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(156, 155, 162) }
```



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

```
.border{ border-color:rgb(156, 155, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 155, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 155, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 155, 162);  
box-shadow:4px 4px 4px 4px rgb(156, 155,  
162) }
```

# Background

The CSS property to change the background color of an element to YIQ 156.0970, -1.6510, 2.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 155, 162) }
```

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

```
.background{ background-color: rgb(156,  
155, 162) }
```

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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