

# Converting Colors

YIQ(103.1680, -0.4130, 1.9790)

Have a look what the booklet for  
YIQ(103.1680, -0.4130, 1.9790)  
contains.

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# Color

**YIQ(103.1680, -0.4130,  
1.9790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68666B
RGB	104, 102, 107
RGB Percent	41%, 40%, 42%
CMY	0.5921, 0.6000, 0.5804
CMYK	0.03, 0.05, 0.00, 0.58
HSL	264°, 2%, 41%
HSV	264°, 5%, 42%
XYZ	13.1142, 13.5073, 15.8255
YIQ	103.1680, -0.4130, 1.9790

# Conversions

## Conversions Part 2

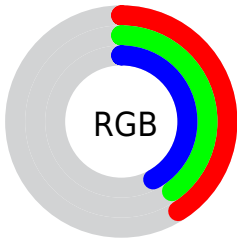
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 102, 107
Decimal	6841963
CIE Lab	43.52, 1.83, -2.54
CIE LCh	44, 3.126, 305.722
Yxy	13.5073, 0.3090, 0.3182
Android (android.graphics.Color)	4285032043 (0xFF68666B)
YUV	103.1680, 1.8892, 0.7297
Hunter-Lab	36.7522, -0.6227, 0.1963

# Details

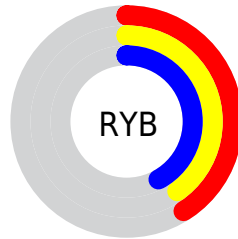
The YIQ color **103.1680, -0.4130, 1.9790** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **105.8320, 0.4130, -1.9790**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **154.1680, -0.4130, 1.9790**, and **56.1680, -0.4130, 1.9790** is the 20% darker color. If you saturate the color by 10%, you get **94.9170, -0.9640, 6.4600**, and if you desaturate by 10%, it is **111.4190, 0.1380, -2.5020**.

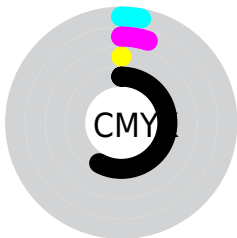
# Distribution



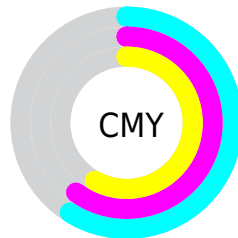
- Red (41%)
- Green (40%)
- Blue (42%)



- Red (41%)
- Yellow (40%)
- Blue (42%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (58%)



- Cyan (59%)
- Magenta (60%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.1680, -0.4130, 1.9790 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 103.1680, -0.4130, 1.9790 by changing the saturation by 10% instead.



■ 103.1680, -0.4130,  
1.9790

■ 103.1680, -0.4130,  
1.9790

255.0000, -0.0000,  
-0.0000

■ 79.1680, -0.4130,  
1.9790

■ 154.1680, -0.4130,  
1.9790

■ 56.1680, -0.4130,  
1.9790

■ 181.1680, -0.4130,  
1.9790

■ 35.0540, -0.0920,  
1.6680

■ 208.2820, -0.7340,  
2.2900

■ 13.1680, -0.4130,  
1.9790

■ 236.5810, -0.1380,  
2.5020

■ 0.0000, 0.0000,  
0.0000

■ 103.1680, -0.4130,

■ 103.1680, -0.4130,

1.9790

1.9790

■ 94.9170, -0.9640,  
6.4600

■ 111.4190, 0.1380,  
-2.5020

■ 86.9540, -2.3860,  
10.2060

■ 119.3820, 1.5600,  
-6.2480

■ 78.7030, -2.9370,  
14.6870

■ 127.6330, 2.1110,  
-10.7290

■ 70.1530, -4.0840,  
18.9560

■ 136.1830, 3.2580,  
-14.9980

■ 62.4890, -4.9100,  
22.9140

■ 144.4340, 3.8090,  
-19.4790

■ 54.2380, -5.4610,  
27.3950

■ 152.0980, 4.6350,  
-23.4370

■ 45.6880, -6.6080,  
31.6640

■ 160.6480, 5.7820,  
-27.7060

■ 37.4370, -7.1590,  
36.1450

■ 168.8990, 6.3330,  
-32.1870

■ 29.4740, -8.5810,  
39.8910

■ 176.8620, 7.7550,  
-35.9330

# Harmonies

## Analogous

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



102.9720, -2.7970, 1.1310



103.1680, -0.4130, 1.9790



103.2500, 2.2920, 2.5160

# Triad

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



103.1680, -0.4130, 1.9790



103.0390, 4.2640, -0.1840



101.7930, -3.8510, -1.7950

# Complementary

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



103.1680, -0.4130, 1.9790



105.8320, 0.4130, -1.9790

# 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.



102.1630, -2.0170, -1.9930



103.1680, -0.4130, 1.9790



103.0280, 2.7970, -1.1310

# Square

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



103.1680, -0.4130, 1.9790



102.9790, 4.4930, 1.1730



102.8320, 0.4130, -1.9790



102.1350, -4.8140, -0.8620



# Rectangle

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



103.1680, -0.4130, 1.9790



103.3210, 3.5300, 2.1060



102.8320, 0.4130, -1.9790



101.6790, -3.5300, -2.1060

# Sweetspot

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



103.1680, -0.4130, 1.9790



139.1140, -0.3210, 0.3110



104.3310, -2.4300, -0.0140



71.0000, -0.0000, -0.0000



199.0000, -0.0000, 0.0000

# Same Dimension

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



103.1680, -0.4130, 1.9790



133.8090, -0.7800, 3.1240



103.7660, 0.7790, 2.4030



50.7550, -0.6880, 1.4560



27.3910, -9.5450, 46.3510



57.2320, -20.2370, 96.9710



# Inverse Universe

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



103.8370, 2.0170, 1.9930



134.9620, 3.1630, 3.2510



105.2340, -0.7790, -2.4030



51.4240, 1.7420, 1.4700



42.9630, 47.2620, 46.5740



90.0130, 98.8330, 97.6570



# Previews

## White Background



This preview shows how the YIQ color 103.1680, -0.4130, 1.9790 looks on a white 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 × Fail

# Black Background



This preview shows how the YIQ color 103.1680, -0.4130, 1.9790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

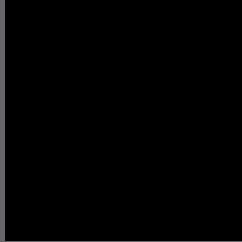
Any Text WCAG AAA × Fail

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

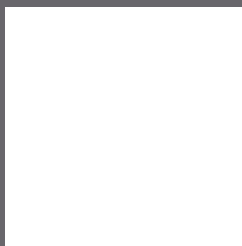


**YIQ 103.1680, -0.4130, 1.9790**

## **Background**



This preview shows how black text looks on a background with the YIQ color 103.1680, -0.4130, 1.9790.



This preview shows how white text looks on a background with the YIQ color 103.1680, -0.4130,



# 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

103.1680, -0.4130, 1.9790

### Protanopia

102.8690, -1.0090, 1.7670

### Deuteranopia

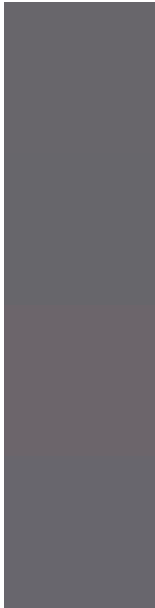
104.0870, 4.3090, 4.5090



## Tritanopia

103.5100, -1.3760, 2.9120

# Trichromacy



## Original Color

103.1680, -0.4130, 1.9790

## Protanomaly

102.8690, -1.0090, 1.7670

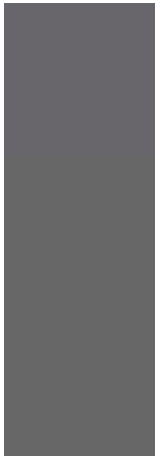
## Deuteranomaly

103.7770, 2.2460, 3.3500

## Tritanomaly

103.3960, -1.0550, 2.6010

# Monochromacy



## Original Color

103.1680, -0.4130, 1.9790

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

103.1140, -0.3210, 0.3110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.1680, -0.4130, 1.9790 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(104, 102, 107)` looks like.

```
.text, #text, p{  
    color:rgb(104, 102, 107)  
}
```

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(104, 102, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 102, 107) }
```

## Border

The CSS property to change the border of an element to YIQ 103.1680, -0.4130, 1.9790 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(104, 102, 107) }
```

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

```
.border{ border-color:rgb(104, 102, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 102, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 102, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 102, 107);  
box-shadow:4px 4px 4px 4px rgb(104, 102,  
107) }
```



# Background

The CSS property to change the background color of an element to YIQ 103.1680, -0.4130, 1.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 102, 107) }
```

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

```
.background{ background-color: rgb(104,  
102, 107) }
```

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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