

# Converting Colors

YIQ(166.5640, -1.4680, 4.5800)

Have a look what the booklet for  
YIQ(166.5640, -1.4680, 4.5800)  
contains.

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# Color

**YIQ(166.5640, -1.4680,  
4.5800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8A4B0
RGB	168, 164, 176
RGB Percent	66%, 64%, 69%
CMY	0.3412, 0.3569, 0.3098
CMYK	0.05, 0.07, 0.00, 0.31
HSL	260°, 7%, 67%
HSV	260°, 7%, 69%
XYZ	37.2606, 38.0101, 46.4451
YIQ	166.5640, -1.4680, 4.5800

# Conversions

## Conversions Part 2

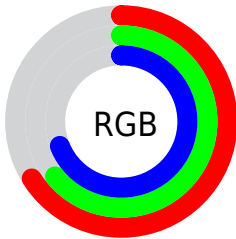
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 164, 176
Decimal	11052208
CIELab	68.03, 3.75, -5.68
CIElCh	68, 6.803, 303.432
Yxy	38.0101, 0.3061, 0.3123
Android (android.graphics.Color)	4289242288 (0xFFA8A4B0)
YUV	166.5640, 4.6519, 1.2594
Hunter-Lab	61.6523, -0.0120, -1.5089

# Details

The YIQ color **166.5640, -1.4680, 4.5800** is a light color, and the websafe version is hex **999999**. A complement of this color would be **173.4360, 1.4680, -4.5800**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **221.6780, -1.7890, 4.8910**, and **114.5640, -1.4680, 4.5800** is the 20% darker color. If you saturate the color by 10%, you get **152.4100, -3.6700, 11.4500**, and if you desaturate by 10%, it is **180.7180, 0.7340, -2.2900**.

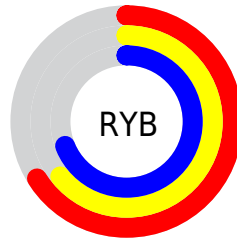
# Distribution



Red (66%)

Green (64%)

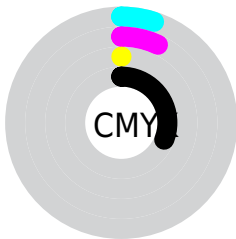
Blue (69%)



Red (66%)

Yellow (64%)

Blue (69%)

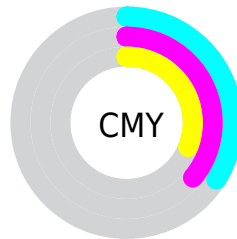


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (31%)



Cyan (34%)

Magenta (36%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 166.5640, -1.4680, 4.5800 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 166.5640, -1.4680, 4.5800 by changing the saturation by 10% instead.



■ 166.5640, -1.4680,  
4.5800

■ 166.5640, -1.4680,  
4.5800

■ 255.0000, -0.0000,  
-0.0000

■ 140.4500, -1.1470,  
4.2690

■ 221.6780, -1.7890,  
4.8910

■ 114.5640, -1.4680,  
4.5800

■ 249.4070, 0.4120,  
3.5480

■ 90.1510, -1.7430,  
4.0570

■ 67.0370, -1.4220,  
3.7460

■ 44.9230, -1.1010,  
3.4350

■ 23.9230, -1.1010,  
3.4350

■ 0.6840, -1.9260,

1.8660

■ 0.0000, 0.0000,  
0.0000

■ 166.5640, -1.4680,  
4.5800

■ 166.5640, -1.4680,  
4.5800

■ 152.4100, -3.6700,  
11.4500

■ 180.7180, 0.7340,  
-2.2900

■ 139.1420, -5.5510,  
18.0090

■ 193.9860, 2.6150,  
-8.8490

■ 124.9880, -7.7530,  
24.8790

■ 208.1400, 4.8170,  
-15.7190

■ 111.4210,  
-10.2300, 31.2260

■ 221.7070, 7.2940,  
-22.0660

■ 97.2670, -12.4320,  
38.0960

■ 235.8610, 9.4960,  
-28.9360

■ 83.4120, -14.0380,  
45.1780

■ 240.9110, 15.2270,  
-28.1730

■ 69.8450, -16.5150,  
51.5250

■ 244.4990, 22.3790,  
-25.6290

■ 55.6910, -18.7170,  
58.3950

■ 245.9940, 25.3590,  
-24.5690

■ 42.1240, -21.1940,  
64.7420

# Harmonies

## Analogous

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



165.5740, -7.4280, 2.4600



166.5640, -1.4680, 4.5800



166.9130, 4.8590, 5.5550

# Triad

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



166.5640, -1.4680, 4.5800



166.5620, 10.0410, -0.2550



164.1620, -9.4440, -5.0600

# Complementary

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



166.5640, -1.4680, 4.5800



173.4360, 1.4680, -4.5800

# 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.



164.3860, -4.2630, -5.3430



166.5640, -1.4680, 4.5800



165.8280, 6.2360, -2.8840

# Square

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



166.5640, -1.4680, 4.5800



166.7410, 11.0950, 2.6710



164.4360, 1.4680, -4.5800



163.9600, -11.6910, -2.8830



# Rectangle

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



166.5640, -1.4680, 4.5800



167.3540, 7.9310, 4.9470



164.4360, 1.4680, -4.5800



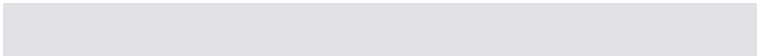
163.6460, -7.9310, -4.9470

# Sweetspot

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



166.5640, -1.4680, 4.5800



225.8690, -1.0090, 1.7670



170.0640, -6.0520, -0.4520



112.6410, -0.3670, 1.1450



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.



166.5640, -1.4680, 4.5800



214.9600, -2.5230, 7.1810



168.3580, 2.1080, 5.8520



81.9230, -1.1010, 3.4350



32.6910, -18.7170, 58.3950



5.6550, -2.9820, 9.9940



# Inverse Universe

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



168.5000, 4.5840, 5.0320



218.0490, 7.4720, 7.7600



171.6420, -2.1080, -5.8520



83.3750, 3.4380, 3.7740



57.3750, 58.4460, 64.1580



9.7120, 10.0390, 10.7990



# Previews

## White Background



This preview shows how the YIQ color 166.5640, -1.4680, 4.5800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

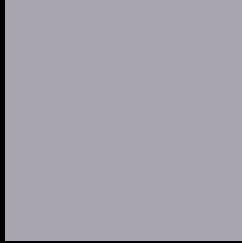
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 166.5640, -1.4680, 4.5800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

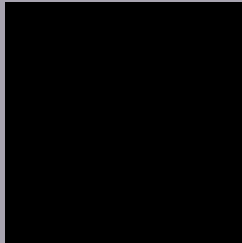
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 166.5640, -1.4680, 4.5800**

## **Background**



This preview shows how black text looks on a background with the YIQ color 166.5640, -1.4680, 4.5800.



This preview shows how white text looks on a background with the YIQ color 166.5640, -1.4680,

4.5800.

# 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

166.5640, -1.4680, 4.5800

### Protanopia

166.5530, -2.9350, 3.6330

### Deuteranopia

167.6080, 4.4000, 8.3680



## Tritanopia

166.6780, -1.7890, 4.8910

# Trichromacy



## Original Color

166.5640, -1.4680, 4.5800

## Protanomaly

166.8520, -2.3390, 3.8450

## Deuteranomaly

167.2980, 2.3370, 7.2090

## Tritanomaly

166.6780, -1.7890, 4.8910

# Monochromacy



## Original Color

166.5640, -1.4680, 4.5800

## Achromatopsia

167.0000, -0.0000, -0.0000

## Achromatomaly

166.7550, -0.6880, 1.4560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 166.5640, -1.4680, 4.5800 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(168, 164, 176)` looks like.

```
.text, #text, p{  
    color:rgb(168, 164, 176)  
}
```

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(168, 164, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 164, 176) }
```

## Border

The CSS property to change the border of an element to YIQ 166.5640, -1.4680, 4.5800 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(168, 164, 176) }
```



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

```
.border{ border-color:rgb(168, 164, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 164, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 164, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 164, 176);  
box-shadow:4px 4px 4px 4px rgb(168, 164,  
176) }
```

# Background

The CSS property to change the background color of an element to YIQ 166.5640, -1.4680, 4.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 164, 176) }
```

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

```
.background{ background-color: rgb(168,  
164, 176) }
```

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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