

# Converting Colors

YIQ(158.4340, 67.9850, 50.9690)

Have a look what the booklet for  
YIQ(158.4340, 67.9850, 50.9690)  
contains.

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# Color

**YIQ(158.4340, 67.9850,  
50.9690)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF6BAA
RGB	255, 107, 170
RGB Percent	100%, 42%, 67%
CMY	0.0000, 0.5806, 0.3331
CMYK	0.00, 0.58, 0.33, 0.00
HSL	334°, 100%, 71%
HSV	334°, 58%, 100%
XYZ	53.7523, 34.6669, 41.9165
YIQ	158.4340, 67.9850, 50.9690

# Conversions

## Conversions Part 2

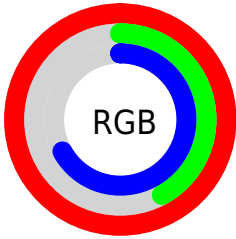
Format	Color
R <sub>YB</sub>	255, 107, 170
Decimal	16739242
CIE Lab	65.49, 62.24, -4.99
CIE LCh	65, 62.438, 355.412
Yxy	34.6669, 0.4124, 0.2660
Android (android.graphics.Color)	4294929322 (0xFFFF6BAA)
YUV	158.4340, 5.7020, 84.6884
Hunter-Lab	58.8786, 59.9212, -0.9944

# Details

The YIQ color **158.4340, 67.9850, 50.9690** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **203.5660, -67.9850, -50.9690**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **198.1630, 34.6550, 38.2630**, and **99.0470, 64.8210, 53.2450** is the 20% darker color. If you saturate the color by 10%, you get **141.4620, 79.9500, 59.9020**, and if you desaturate by 10%, it is **174.8190, 56.2950, 42.5590**.

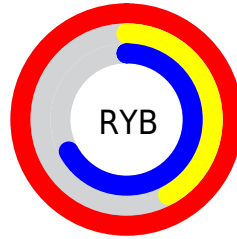
# Distribution



Red (100%)

Green (42%)

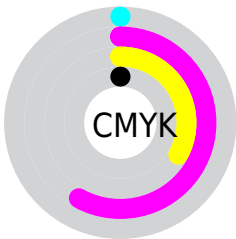
Blue (67%)



Red (100%)

Yellow (42%)

Blue (67%)

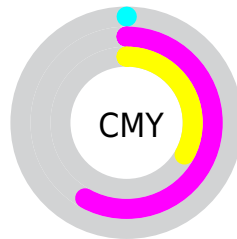


Cyan (0%)

Magenta (58%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (58%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 158.4340, 67.9850, 50.9690 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 158.4340, 67.9850, 50.9690 by changing the saturation by 10% instead.





 158.4340, 67.9850,  
50.9690


 158.4340, 67.9850,  
50.9690


255.0000, -0.0000,  
-0.0000

 129.1780, 65.8300,  
51.4780


 198.1630, 34.6550,  
38.2630


 99.0470, 64.8210,  
53.2450


 218.4920, 17.3710,  
32.1150

 59.9370, 68.4870,  
63.9030

 235.6290, 9.0750,  
17.2590

 48.6440, 58.5860,  
50.6020

 252.6520, 1.1000,  
2.0920

 37.4650, 48.3640,  
37.6120

 26.4000, 37.8210,  
24.9330

 15.7760, 30.3500,

11.6460

■ 0.0000, 0.0000,  
0.0000

■ 158.4340, 67.9850,  
50.9690

■ 158.4340, 67.9850,  
50.9690

■ 141.4620, 79.9500,  
59.9020

■ 174.8190, 56.2950,  
42.5590

■ 125.1910, 91.3190,  
68.6230

■ 191.6770, 44.6510,  
33.3150

■ 108.2190,  
103.2840, 77.5560

■ 208.0620, 32.9610,  
24.9050

■ 91.9480, 114.6530,  
86.2770

■ 225.0340, 20.9960,  
15.9720

■ 88.6710, 116.9910,  
87.9590

■ 241.3050, 9.6270,  
7.2510

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



163.6910, 24.8410, 50.9290



158.4340, 67.9850, 50.9690



154.3980, 84.8610, 31.4610

# Triad

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



158.4340, 67.9850, 50.9690



147.4210, 21.8780, -44.0900



134.1600, -129.7500, -16.3900

# Complementary

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



158.4340, 67.9850, 50.9690



203.5660, -67.9850, -50.9690

# 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.



131.9650, -116.6800, -33.0000



158.4340, 67.9850, 50.9690



135.5830, -40.2920, -51.7480

# Square

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



158.4340, 67.9850, 50.9690



152.2200, 62.5890, -27.4830



125.4670, -98.3830, -50.7270



127.6860, -128.0550, -8.5590



# Rectangle

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



158.4340, 67.9850, 50.9690



155.8750, 87.1110, 12.7030



125.4670, -98.3830, -50.7270



134.5530, -126.7230, -21.6910

# Sweetspot

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



158.4340, 67.9850, 50.9690



226.9090, 19.8500, 14.7140



148.9880, 2.5560, 63.8360



111.0280, 11.9650, 8.9330



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



158.4340, 67.9850, 50.9690



138.8860, 81.6920, 61.3720



157.1220, 85.4580, 26.1460



119.4570, 6.1430, 4.3110



66.4570, 87.5140, 65.9940



22.2140, 29.4770, 21.9650



# Inverse Universe

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



158.4340, 67.9850, 50.9690



138.8860, 81.6920, 61.3720



204.8780, -85.4580, -26.1460



119.4570, 6.1430, 4.3110



66.4570, 87.5140, 65.9940



22.2140, 29.4770, 21.9650



# Previews

## White Background



This preview shows how the YIQ color 158.4340, 67.9850, 50.9690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

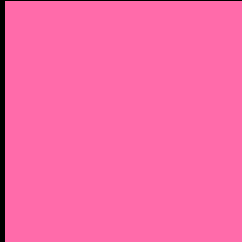
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 158.4340, 67.9850, 50.9690 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 158.4340, 67.9850, 50.9690

## Background



This preview shows how black text looks on a background with the YIQ color 158.4340, 67.9850, 50.9690.



This preview shows how white text looks on a background with the YIQ color 158.4340, 67.9850,



# 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

158.4340, 67.9850, 50.9690

### Protanopia

160.1400, -20.4050, 11.8750

### Deuteranopia

160.7070, 8.4350, 6.8270



## Tritanopia

157.2770, 77.8920, 31.1080

# Trichromacy



## Original Color

158.4340, 67.9850, 50.9690



## Protanomaly

159.2800, 11.9160, 26.3480



## Deuteranomaly

160.0400, 30.0270, 23.0110



## Tritanomaly

157.7530, 73.8560, 38.1760

# Monochromacy



## Original Color

158.4340, 67.9850, 50.9690



## Achromatopsia

158.0000, -0.0000, 0.0000



## Achromatomaly

157.7680, 24.8010, 18.6010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 158.4340, 67.9850, 50.9690 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(255, 107, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 170)  
}
```

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(255, 107, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 170) }
```

## Border

The CSS property to change the border of an element to YIQ 158.4340, 67.9850, 50.9690 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(255, 107, 170) }
```



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

```
.border{ border-color:rgb(255, 107, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
170) }
```

# Background

The CSS property to change the background color of an element to YIQ 158.4340, 67.9850, 50.9690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 170) }
```

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

```
.background{ background-color: rgb(255,  
107, 170) }
```

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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