

# Converting Colors

YIQ(159.4770, 66.4260, 51.6900)

Have a look what the booklet for  
YIQ(159.4770, 66.4260, 51.6900)  
contains.

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# Color

**YIQ(159.4770, 66.4260,  
51.6900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6CAE
RGB	255, 108, 174
RGB Percent	100%, 42%, 68%
CMY	0.0000, 0.5767, 0.3174
CMYK	0.00, 0.58, 0.32, 0.00
HSL	333°, 100%, 71%
HSV	333°, 58%, 100%
XYZ	54.2413, 35.0302, 43.9748
YIQ	159.4770, 66.4260, 51.6900

# Conversions

## Conversions Part 2

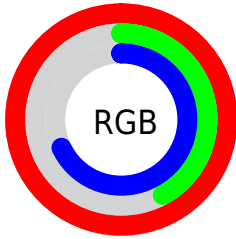
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 108, 174
Decimal	16739502
CIE <sub>Lab</sub>	65.77, 62.27, -6.85
CIE <sub>LCh</sub>	66, 62.641, 353.723
Yxy	35.0302, 0.4071, 0.2629
Android (android.graphics.Color)	4294929582 (0xFFFF6CAE)
YUV	159.4770, 7.1598, 83.7737
Hunter-Lab	59.1863, 60.0102, -2.6214

# Details

The YIQ color **159.4770, 66.4260, 51.6900** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **203.5230, -66.4260, -51.6900**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **199.2060, 33.0960, 38.9840**, and **100.9760, 63.5830, 53.6550** is the 20% darker color. If you saturate the color by 10%, you get **142.6190, 78.0700, 60.9340**, and if you desaturate by 10%, it is **175.7480, 55.0570, 42.9690**.

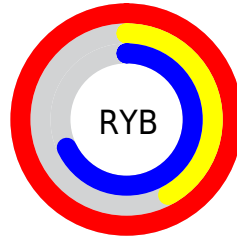
# Distribution



Red (100%)

Green (42%)

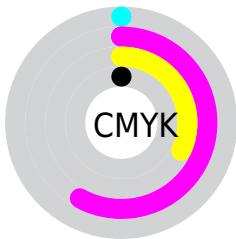
Blue (68%)



Red (100%)

Yellow (42%)

Blue (68%)

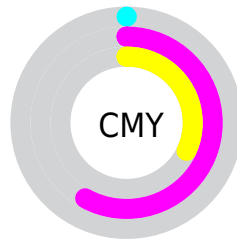


Cyan (0%)

Magenta (58%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (58%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.4770, 66.4260, 51.6900 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 159.4770, 66.4260, 51.6900 by changing the saturation by 10% instead.




 159.4770, 66.4260,  
51.6900


 159.4770, 66.4260,  
51.6900


255.0000, -0.0000,  
-0.0000


 130.4060, 65.1880,  
52.1000


 199.2060, 33.0960,  
38.9840

 100.9760, 63.5830,  
53.6550


 219.1930, 16.7750,  
31.9030


 61.5670, 66.6530,  
64.1010

 236.2160, 8.8000,  
16.7360

 48.9860, 57.6230,  
51.5350

 253.2390, 0.8250,  
1.5690

 37.8070, 47.4010,  
38.5450

 27.0410, 37.4540,  
26.0780

 16.0750, 30.9460,

11.8580

■ 0.5980, 1.1920,  
0.4240

■ 0.0000, 0.0000,  
0.0000

■ 159.4770, 66.4260,  
51.6900

■ 159.4770, 66.4260,  
51.6900

■ 142.6190, 78.0700,  
60.9340

■ 175.7480, 55.0570,  
42.9690

■ 126.3480, 89.4390,  
69.6550

■ 192.6060, 43.4130,  
33.7250

■ 109.4900,  
101.0830, 78.8990

■ 208.8770, 32.0440,  
25.0040

■ 93.2190, 112.4520,  
87.6200

■ 225.7350, 20.4000,  
15.7600

■ 89.3550, 115.0650,  
89.8250

■ 242.0060, 9.0310,  
7.0390

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.



164.7230, 21.8150, 50.7030



159.4770, 66.4260, 51.6900



154.8540, 83.5770, 32.7050

# Triad

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



159.4770, 66.4260, 51.6900



148.6880, 25.5000, -43.6520



135.3340, -130.3000, -17.4360

# Complementary

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



159.4770, 66.4260, 51.6900



203.5230, -66.4260, -51.6900

# 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.



132.3240, -116.3130, -34.1450



159.4770, 66.4260, 51.6900



137.7360, -36.3490, -51.6210

# Square

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



159.4770, 66.4260, 51.6900



153.5300, 64.6520, -26.3240



125.8260, -98.0160, -51.8720



128.8600, -128.6050, -9.6050



# Rectangle

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



159.4770, 66.4260, 51.6900



156.2280, 87.6150, 14.5830



125.8260, -98.0160, -51.8720



134.9120, -126.3560, -22.8360

# Sweetspot

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



159.4770, 66.4260, 51.6900



227.0230, 19.5290, 15.0250



148.9770, 1.0890, 62.8890



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.



159.4770, 66.4260, 51.6900



140.6300, 79.5370, 61.8810



156.0620, 85.6870, 27.5030



119.4570, 6.1430, 4.3110



66.9130, 86.2300, 67.2380



22.4420, 28.8350, 22.5870



# Inverse Universe

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



159.4770, 66.4260, 51.6900



140.6300, 79.5370, 61.8810



206.9380, -85.6870, -27.5030



119.4570, 6.1430, 4.3110



66.9130, 86.2300, 67.2380



22.4420, 28.8350, 22.5870



# Previews

## White Background



This preview shows how the YIQ color 159.4770, 66.4260, 51.6900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

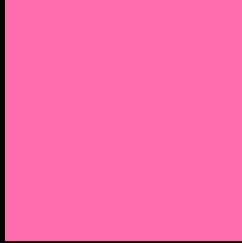
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.4770, 66.4260, 51.6900 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 159.4770, 66.4260, 51.6900

## Background



This preview shows how black text looks on a background with the YIQ color 159.4770, 66.4260, 51.6900.



This preview shows how white text looks on a background with the YIQ color 159.4770, 66.4260,



# 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

159.4770, 66.4260, 51.6900

### Protanopia

160.2970, -22.2850, 12.9070

### Deuteranopia

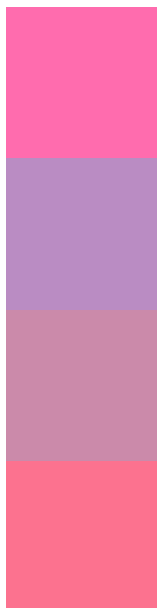
161.7500, 6.8760, 7.5480



## Tritanopia

158.6790, 76.7000, 30.6840

# Trichromacy



## Original Color

159.4770, 66.4260, 51.6900

## Protanomaly

160.0240, 9.7610, 26.8570

## Deuteranomaly

161.0830, 28.4680, 23.7320

## Tritanomaly

158.5680, 72.9390, 38.2750

# Monochromacy



## Original Color

159.4770, 66.4260, 51.6900

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

158.8820, 24.4800, 18.9120

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.4770, 66.4260, 51.6900 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(255, 108, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 174)  
}
```

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, 108, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 174) }
```

## Border

The CSS property to change the border of an element to YIQ 159.4770, 66.4260, 51.6900 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(255, 108, 174) }
```



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

```
.border{ border-color:rgb(255, 108, 174) }
```

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

Here you see how a box with a 4 pixel rgb(255, 108, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
174) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.4770, 66.4260, 51.6900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 174) }
```

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

```
.background{ background-color: rgb(255,  
108, 174) }
```

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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