

# Converting Colors

YIQ(166.3170, 47.1660, 70.3500)

Have a look what the booklet for  
YIQ(166.3170, 47.1660, 70.3500)  
contains.

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# Color

**YIQ(166.3170, 47.1660,  
70.3500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF6CEA
RGB	255, 108, 234
RGB Percent	100%, 42%, 92%
CMY	0.0000, 0.5767, 0.0823
CMYK	0.00, 0.58, 0.08, 0.00
HSL	309°, 100%, 71%
HSV	309°, 58%, 100%
XYZ	61.4506, 37.9140, 81.9384
YIQ	166.3170, 47.1660, 70.3500

# Conversions

## Conversions Part 2

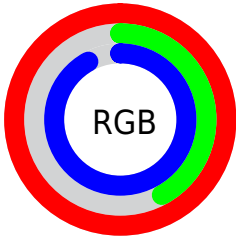
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 108, 234
Decimal	16739562
CIE Lab	67.96, 70.46, -37.16
CIE LCh	68, 79.662, 332.192
Yxy	37.9140, 0.3389, 0.2091
Android (android.graphics.Color)	4294929642 (0xFFFF6CEA)
YUV	166.3170, 33.3677, 77.7750
Hunter-Lab	61.5743, 70.3863, -35.7966

# Details

The YIQ color **166.3170, 47.1660, 70.3500** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **196.6830, -47.1660, -70.3500**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **202.7570, 24.4750, 46.5470**, and **105.5990, 46.4320, 72.6400** is the 20% darker color. If you saturate the color by 10%, you get **150.5990, 55.6000, 82.7040**, and if you desaturate by 10%, it is **181.4480, 39.0070, 58.5190**.

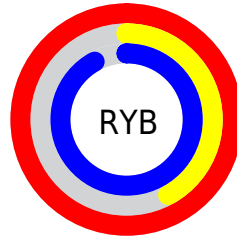
# Distribution



Red (100%)

Green (42%)

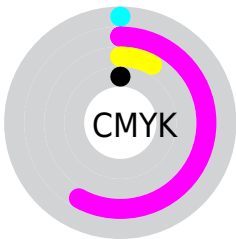
Blue (92%)



Red (100%)

Yellow (42%)

Blue (92%)

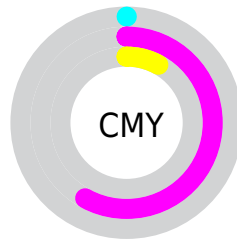


Cyan (0%)

Magenta (58%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (58%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 166.3170, 47.1660, 70.3500 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 166.3170, 47.1660, 70.3500 by changing the saturation by 10% instead.




 166.3170, 47.1660,  
70.3500

 166.3170, 47.1660,  
70.3500


255.0000, -0.0000,  
-0.0000

 136.5450, 46.5240,  
70.9720


 202.7570, 24.4750,  
46.5470

 105.5990, 46.4320,  
72.6400


 219.7800, 16.5000,  
31.3800


 66.8480, 50.4650,  
82.1530

 236.8030, 8.5250,  
16.2130

 55.2130, 41.5270,  
67.9190

254.4130, 0.2750,  
0.5230

 43.8770, 33.1850,  
53.8970

 32.7690, 24.2010,  
40.4970

 22.6720, 16.6840,

28.0440

■ 10.4820, 4.9950,  
14.1070

■ 0.0000, 0.0000,  
0.0000

■ 166.3170, 47.1660,  
70.3500

■ 166.3170, 47.1660,  
70.3500

■ 150.5990, 55.6000,  
82.7040

■ 181.4480, 39.0070,  
58.5190

■ 135.5820, 63.4380,  
94.8460

■ 197.0520, 30.8940,  
45.8540

■ 119.8640, 71.8720,  
107.2000

■ 212.1830, 22.7350,  
34.0230

■ 104.7330, 80.0310,  
119.0310

■ 227.9010, 14.3010,  
21.6690

■ 101.2110, 81.6810,  
122.1690

■ 242.9180, 6.4630,  
9.5270

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.



164.1290, -20.7310, 39.8210



166.3170, 47.1660, 70.3500



145.3090, 76.0070, 59.7750

# Triad

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



166.3170, 47.1660, 70.3500



154.2740, 70.5240, -44.6440



143.1130, -131.5360, -28.0800

# Complementary

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



166.3170, 47.1660, 70.3500



196.6830, -47.1660, -70.3500

# 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.



135.4920, -108.6990, -50.9950



166.3170, 47.1660, 70.3500



144.4410, 17.9850, -67.1590

# Square

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



166.3170, 47.1660, 70.3500



157.2040, 104.2170, -10.9750



124.0070, -83.2490, -71.7050



140.6000, -134.1050, -20.0650



# Rectangle

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



166.3170, 47.1660, 70.3500



144.0600, 89.1690, 41.4970



124.0070, -83.2490, -71.7050



141.0780, -124.4280, -35.7560

# Sweetspot

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



166.3170, 47.1660, 70.3500



229.0750, 13.7510, 20.6230



130.7380, -35.2670, 49.9570



112.2820, 8.4340, 12.3540



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.



166.3170, 47.1660, 70.3500



148.8380, 56.4250, 84.2730



158.1090, 70.2780, 47.9580



120.1410, 4.2170, 6.1770



75.8050, 61.1920, 91.4960



25.4060, 20.4890, 30.6730



# Inverse Universe

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



166.3170, 47.1660, 70.3500



148.8380, 56.4250, 84.2730



204.8910, -70.2780, -47.9580



120.1410, 4.2170, 6.1770



75.8050, 61.1920, 91.4960



25.4060, 20.4890, 30.6730



# Previews

## White Background



This preview shows how the YIQ color 166.3170, 47.1660, 70.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

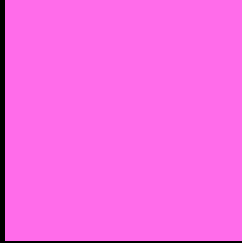
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 166.3170, 47.1660, 70.3500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

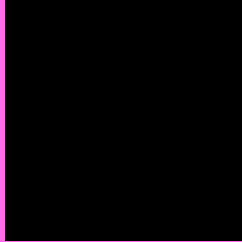
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 166.3170, 47.1660, 70.3500

## Background



This preview shows how black text looks on a background with the YIQ color 166.3170, 47.1660, 70.3500.



This preview shows how white text looks on a background with the YIQ color 166.3170, 47.1660,

70.3500.

# 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

166.3170, 47.1660, 70.3500

### Protanopia

164.2190, -48.0080, 22.0400

### Deuteranopia

166.4690, -28.5210, 15.7910



## Tritanopia

166.8130, 64.4590, 26.7550

# Trichromacy



## Original Color

166.3170, 47.1660, 70.3500



## Protanomaly

165.0220, -13.1200, 39.5520



## Deuteranomaly

166.7320, -0.7400, 35.4520



## Tritanomaly

166.6020, 58.4040, 42.8840

# Monochromacy



## Original Color

166.3170, 47.1660, 70.3500



## Achromatopsia

166.0000, -0.0000, 0.0000



## Achromatomaly

166.0910, 16.8220, 25.5420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 166.3170, 47.1660, 70.3500 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 234) }
```

## Border

The CSS property to change the border of an element to YIQ 166.3170, 47.1660, 70.3500 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, 234) }
```



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

```
.border{ border-color:rgb(255, 108, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
234) }
```

# Background

The CSS property to change the background color of an element to YIQ 166.3170, 47.1660, 70.3500 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
108, 234) }
```

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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