

# Converting Colors

YIQ(164.7670, 46.0190, 74.6190)

Have a look what the booklet for  
YIQ(164.7670, 46.0190, 74.6190)  
contains.

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# Color

**YIQ(164.7670, 46.0190,  
74.6190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF68F1
RGB	255, 104, 241
RGB Percent	100%, 41%, 95%
CMY	0.0000, 0.5924, 0.0548
CMYK	0.00, 0.59, 0.05, 0.00
HSL	306°, 100%, 70%
HSV	306°, 59%, 100%
XYZ	62.0641, 37.5000, 87.2015
YIQ	164.7670, 46.0190, 74.6190

# Conversions

## Conversions Part 2

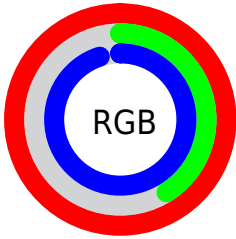
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 104, 241
Decimal	16738545
CIE Lab	67.65, 73.22, -41.51
CIE LCh	68, 84.165, 330.452
Yxy	37.5000, 0.3323, 0.2008
Android (android.graphics.Color)	4294928625 (0xFFFF68F1)
YUV	164.7670, 37.5829, 79.1343
Hunter-Lab	61.2372, 73.7450, -41.5626

# Details

The YIQ color **164.7670, 46.0190, 74.6190** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **194.2330, -46.0190, -74.6190**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **200.4090, 25.5750, 48.6390**, and **102.1740, 46.4310, 78.1670** is the 20% darker color. If you saturate the color by 10%, you get **149.2770, 53.8110, 87.5950**, and if you desaturate by 10%, it is **179.6700, 38.5020, 62.1660**.

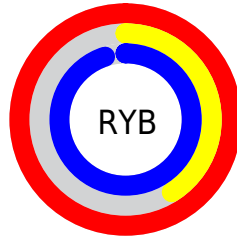
# Distribution



Red (100%)

Green (41%)

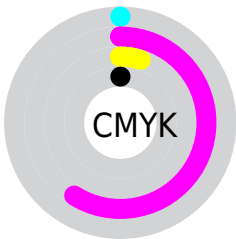
Blue (95%)



Red (100%)

Yellow (41%)

Blue (95%)

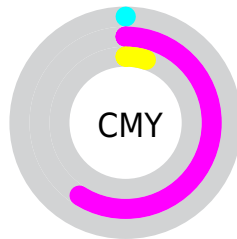


Cyan (0%)

Magenta (59%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 164.7670, 46.0190, 74.6190 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 164.7670, 46.0190, 74.6190 by changing the saturation by 10% instead.



164.7670, 46.0190,  
74.6190

164.7670, 46.0190,  
74.6190

255.0000, -0.0000,  
-0.0000

134.8810, 45.6980,  
74.9300

200.4090, 25.5750,  
48.6390

102.1740, 46.4310,  
78.1670

218.0190, 17.3250,  
32.9490

67.5320, 48.5390,  
84.0190

235.0420, 9.3500,  
17.7820

55.8970, 39.6010,  
69.7850

252.6520, 1.1000,  
2.0920

44.5610, 31.2590,  
55.7630

33.3390, 22.5960,  
42.0520

22.9430, 14.4830,

29.3870

■ 10.7530, 2.7940,  
15.4500

■ 0.7980, -2.2470,  
2.1770

■ 164.7670, 46.0190,  
74.6190

■ 164.7670, 46.0190,  
74.6190

■ 149.2770, 53.8110,  
87.5950

■ 179.6700, 38.5020,  
62.1660

■ 134.2600, 61.6490,  
99.7370

■ 195.2740, 30.3890,  
49.5010

■ 118.7700, 69.4410,  
112.7130

■ 210.1770, 22.8720,  
37.0480

■ 103.8670, 76.9580,  
125.1660

■ 225.6670, 15.0800,  
24.0720

■ 102.5790, 77.8290,  
125.9010

■ 240.6840, 7.2420,  
11.9300

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.



161.1390, -26.6910, 37.7010



164.7670, 46.0190, 74.6190



139.8950, 77.4730, 66.2490

# Triad

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



164.7670, 46.0190, 74.6190



153.9970, 72.8620, -42.9620



143.5860, -131.4900, -28.9140

# Complementary

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



164.7670, 46.0190, 74.6190



194.2330, -46.0190, -74.6190

# 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.



134.9220, -107.0940, -52.5500



164.7670, 46.0190, 74.6190



143.0130, 22.0660, -69.5340

# Square

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



164.7670, 46.0190, 74.6190



154.0540, 113.3870, -11.9650



122.8670, -80.0390, -74.8150



141.1870, -134.3800, -20.5880



# Rectangle

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



164.7670, 46.0190, 74.6190



138.3040, 91.5980, 47.0380



122.8670, -80.0390, -74.8150



141.4370, -124.0610, -36.9010

# Sweetspot

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



164.7670, 46.0190, 74.6190



227.5420, 13.9340, 22.8140



125.1010, -40.7230, 49.7170



110.6350, 8.9380, 14.2340



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.



164.7670, 46.0190, 74.6190



146.8150, 55.2320, 89.3760



156.3310, 69.7730, 51.6050



120.1410, 4.2170, 6.1770



76.9450, 57.9820, 94.6060



25.7480, 19.5260, 31.6060



# Inverse Universe

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



164.7670, 46.0190, 74.6190



146.8150, 55.2320, 89.3760



202.6690, -69.7730, -51.6050



120.1410, 4.2170, 6.1770



76.9450, 57.9820, 94.6060



25.7480, 19.5260, 31.6060



# Previews

## White Background



This preview shows how the YIQ color 164.7670, 46.0190, 74.6190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

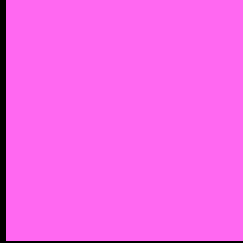
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 164.7670, 46.0190, 74.6190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

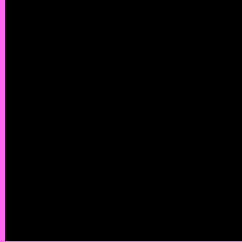
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 164.7670, 46.0190, 74.6190

## Background



This preview shows how black text looks on a background with the YIQ color 164.7670, 46.0190, 74.6190.



This preview shows how white text looks on a background with the YIQ color 164.7670, 46.0190,



# 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

164.7670, 46.0190, 74.6190

### Protanopia

163.0340, -48.9250, 22.1390

### Deuteranopia

164.4730, -34.3440, 16.6960



## Tritanopia

165.8130, 64.4590, 26.7550

# Trichromacy



## Original Color

164.7670, 46.0190, 74.6190



## Protanomaly

163.5920, -14.7250, 41.1070



## Deuteranomaly

164.8610, -5.4170, 37.6150



## Tritanomaly

165.3570, 57.7160, 44.3400

# Monochromacy



## Original Color

164.7670, 46.0190, 74.6190



## Achromatopsia

165.0000, -0.0000, -0.0000



## Achromatomaly

165.1450, 16.7300, 27.2100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 164.7670, 46.0190, 74.6190 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, 104, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 241)  
}
```

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, 104, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 241) }
```

## Border

The CSS property to change the border of an element to YIQ 164.7670, 46.0190, 74.6190 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, 104, 241) }
```



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

```
.border{ border-color:rgb(255, 104, 241) }
```

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

Here you see how a box with a 4 pixel rgb(255, 104, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
241) }
```

# Background

The CSS property to change the background color of an element to YIQ 164.7670, 46.0190, 74.6190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 241) }
```

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

```
.background{ background-color: rgb(255,  
104, 241) }
```

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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