

# Converting Colors

YIQ(164.7840, 47.3490, 72.5410)

Have a look what the booklet for  
YIQ(164.7840, 47.3490, 72.5410)  
contains.

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# Color

**YIQ(164.7840, 47.3490,  
72.5410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF69EC
RGB	255, 105, 236
RGB Percent	100%, 41%, 93%
CMY	0.0000, 0.5885, 0.0744
CMYK	0.00, 0.59, 0.07, 0.00
HSL	308°, 100%, 71%
HSV	308°, 59%, 100%
XYZ	61.4287, 37.4078, 83.3564
YIQ	164.7840, 47.3490, 72.5410

# Conversions

## Conversions Part 2

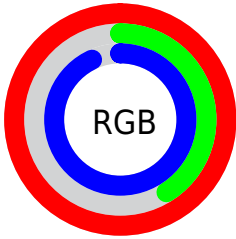
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 105, 236
Decimal	16738796
CIE <sub>Lab</sub>	67.58, 72.03, -38.85
CIE <sub>LCh</sub>	68, 81.840, 331.657
Yxy	37.4078, 0.3372, 0.2053
Android (android.graphics.Color)	4294928876 (0xFFFF69EC)
YUV	164.7840, 35.1095, 79.1194
Hunter-Lab	61.1619, 72.2453, -37.9919

# Details

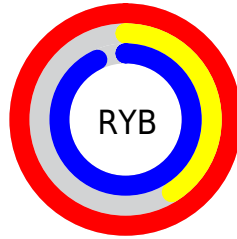
The YIQ color **164.7840, 47.3490, 72.5410** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **195.2160, -47.3490, -72.5410**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **200.9960, 25.3000, 48.1160**, and **102.8920, 47.1650, 75.8770** is the 20% darker color. If you saturate the color by 10%, you get **149.1800, 55.4620, 85.2060**, and if you desaturate by 10%, it is **179.8010, 39.5110, 60.3990**.

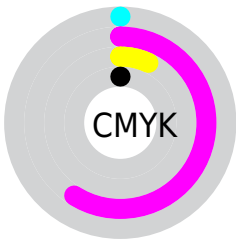
# Distribution



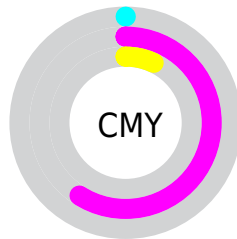
- Red (100%)
- Green (41%)
- Blue (93%)



- Red (100%)
- Yellow (41%)
- Blue (93%)



- Cyan (0%)
- Magenta (59%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (59%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 164.7840, 47.3490, 72.5410 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 164.7840, 47.3490, 72.5410 by changing the saturation by 10% instead.




 164.7840, 47.3490,  
72.5410


 164.7840, 47.3490,  
72.5410


255.0000, -0.0000,  
-0.0000

 135.0120, 46.7070,  
73.1630


 200.9960, 25.3000,  
48.1160

 102.8920, 47.1650,  
75.8770


 218.0190, 17.3250,  
32.9490


 67.0760, 49.8230,  
82.7750

 235.6290, 9.0750,  
17.2590

 55.3270, 41.2060,  
68.2300

 253.2390, 0.8250,  
1.5690

 44.1050, 32.5430,  
54.5190

 32.8830, 23.8800,  
40.8080

 22.4870, 15.7670,

28.1430

■ 10.4110, 3.7570,  
14.5170

■ 0.0000, 0.0000,  
0.0000

■ 164.7840, 47.3490,  
72.5410

■ 164.7840, 47.3490,  
72.5410

■ 149.1800, 55.4620,  
85.2060

■ 179.8010, 39.5110,  
60.3990

■ 134.1630, 63.3000,  
97.3480

■ 195.4050, 31.3980,  
47.7340

■ 118.4450, 71.7340,  
109.7020

■ 210.5360, 23.2390,  
35.9030

■ 103.4280, 79.5720,  
121.8440

■ 226.1400, 15.1260,  
23.2380

101.6670, 80.3970,  
123.4130

241.1570, 7.2880,  
11.0960

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.



162.3460, -22.8400, 39.4960



164.7840, 47.3490, 72.5410



142.4880, 77.0610, 62.7010

# Triad

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



164.7840, 47.3490, 72.5410



153.6870, 70.7990, -44.1210



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.



164.7840, 47.3490, 72.5410



195.2160, -47.3490, -72.5410

# 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.



134.6770, -107.7820, -51.0940



164.7840, 47.3490, 72.5410



142.4150, 20.8740, -69.9580

# Square

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



164.7840, 47.3490, 72.5410



154.7160, 108.5270, -11.9930



123.5510, -81.9650, -72.9490



140.6000, -134.1050, -20.0650



# Rectangle

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



164.7840, 47.3490, 72.5410



141.0110, 90.8650, 43.8010



123.5510, -81.9650, -72.9490



140.9640, -124.1070, -36.0670

# Sweetspot

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



164.7840, 47.3490, 72.5410



227.3140, 14.5760, 22.1920



127.1830, -38.0180, 50.2540



110.5210, 9.2590, 13.9230



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.



164.7840, 47.3490, 72.5410



146.1310, 57.1580, 87.5100



156.3480, 71.1030, 49.5270



120.1410, 4.2170, 6.1770



76.1470, 60.2290, 92.4290



25.5200, 20.1680, 30.9840



# Inverse Universe

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



164.7840, 47.3490, 72.5410



146.1310, 57.1580, 87.5100



203.5380, -70.7820, -49.8380



120.1410, 4.2170, 6.1770



76.1470, 60.2290, 92.4290



25.5200, 20.1680, 30.9840



# Previews

## White Background



This preview shows how the YIQ color 164.7840, 47.3490, 72.5410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

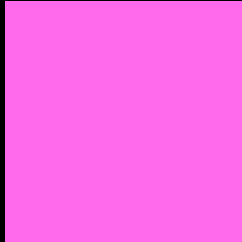
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 164.7840, 47.3490, 72.5410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

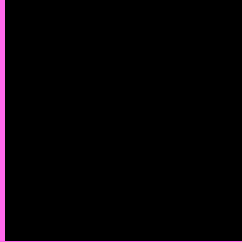
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 164.7840, 47.3490, 72.5410

## Background



This preview shows how black text looks on a background with the YIQ color 164.7840, 47.3490, 72.5410.



This preview shows how white text looks on a background with the YIQ color 164.7840, 47.3490,



# 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

164.7840, 47.3490, 72.5410

### Protanopia

163.0340, -48.9250, 22.1390

### Deuteranopia

164.8000, -30.9510, 15.7770



## Tritanopia

165.2260, 64.7340, 27.2780

# Trichromacy



## Original Color

164.7840, 47.3490, 72.5410



## Protanomaly

163.3640, -14.0830, 40.4850



## Deuteranomaly

164.8890, -2.6200, 36.4840



## Tritanomaly

165.1290, 58.3580, 43.7180

# Monochromacy



## Original Color

164.7840, 47.3490, 72.5410



## Achromatopsia

165.0000, -0.0000, -0.0000



## Achromatomaly

164.9170, 17.3720, 26.5880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 164.7840, 47.3490, 72.5410 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, 105, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 236)  
}
```

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, 105, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 164.7840, 47.3490, 72.5410 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, 105, 236) }
```



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

```
.border{ border-color:rgb(255, 105, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 164.7840, 47.3490, 72.5410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 236) }
```

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

```
.background{ background-color: rgb(255,  
105, 236) }
```

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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