

# Converting Colors

YIQ(159.2470, 44.1870, 63.7630)

Have a look what the booklet for  
YIQ(159.2470, 44.1870, 63.7630)  
contains.

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# Color

**YIQ(159.2470, 44.1870,  
63.7630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F16ADB
RGB	241, 106, 219
RGB Percent	95%, 42%, 86%
CMY	0.0545, 0.5845, 0.1411
CMYK	0.00, 0.56, 0.09, 0.05
HSL	310°, 83%, 68%
HSV	310°, 56%, 95%
XYZ	54.2471, 34.1304, 70.7620
YIQ	159.2470, 44.1870, 63.7630

# Conversions

## Conversions Part 2

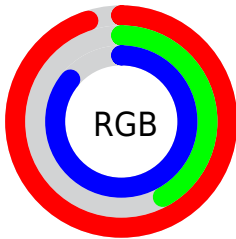
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">241, 106, 219</a>
Decimal	<a href="#">15821531</a>
CIELab	<a href="#">65.07, 65.32, -33.47</a>
CIElCh	<a href="#">65, 73.399, 332.871</a>
Yxy	<a href="#">34.1304, 0.3409, 0.2145</a>
Android (android.graphics.Color)	<a href="#">4294011611 (0xFFFF16ADB)</a>
YUV	<a href="#">159.2470, 29.4582, 71.6974</a>
Hunter-Lab	<a href="#">58.4213, 63.5090, -30.9194</a>

# Details

The YIQ color **159.2470, 44.1870, 63.7630** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **187.7530, -44.1870, -63.7630**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **200.9960, 25.3000, 48.1160**, and **100.1160, 43.1780, 65.5300** is the 20% darker color. If you saturate the color by 10%, you get **144.7030, 52.0710, 75.0710**, and if you desaturate by 10%, it is **173.7910, 36.3030, 52.4550**.

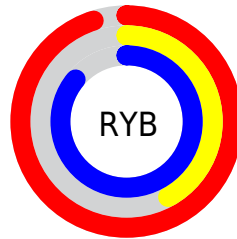
# Distribution



Red (95%)

Green (42%)

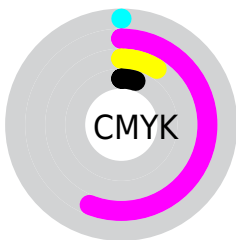
Blue (86%)



Red (95%)

Yellow (42%)

Blue (86%)

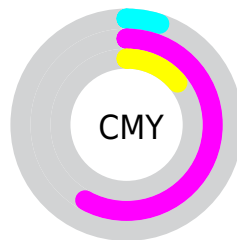


Cyan (0%)

Magenta (56%)

Yellow (9%)

Black (5%)



Cyan (5%)

Magenta (58%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.2470, 44.1870, 63.7630 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 159.2470, 44.1870, 63.7630 by changing the saturation by 10% instead.





 159.2470, 44.1870,  
63.7630


 159.2470, 44.1870,  
63.7630


255.0000, -0.0000,  
-0.0000

 130.0620, 43.2700,  
63.8620


 200.9960, 25.3000,  
48.1160

 100.1160, 43.1780,  
65.5300


 218.0190, 17.3250,  
32.9490


 61.3650, 47.2110,  
75.0430

 235.0420, 9.3500,  
17.7820

 50.0290, 38.8690,  
61.0210

 252.0650, 1.3750,  
2.6150

 38.9210, 29.8850,  
47.6210

 28.1120, 21.4970,  
34.4330

 18.0150, 13.9800,

21.9800

■ 1.9380, -5.4570,  
5.2870

■ 0.0000, 0.0000,  
0.0000

■ 159.2470, 44.1870,  
63.7630

■ 159.2470, 44.1870,  
63.7630

■ 144.7030, 52.0710,  
75.0710

■ 173.7910, 36.3030,  
52.4550

■ 130.1590, 59.9550,  
86.3790

■ 188.3350, 28.4190,  
41.1470

■ 115.6150, 67.8390,  
97.6870

■ 202.8790, 20.5350,  
29.8390

■ 101.0710, 75.7230,  
108.9950

■ 217.4230, 12.6510,  
18.5310

95.0870, 78.7940,  
113.9140

232.5540, 4.4920,  
6.7000

247.0980, -3.3920,  
-4.6080

249.9020, -5.7760,  
-5.4560

250.3580, -7.0600,  
-4.2120

250.7000, -8.0230,  
-3.2790

# Harmonies

## Analogous

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



158.8240, -21.1900, 42.6340



159.2470, 44.1870, 63.7630



145.4570, 78.3460, 55.9300

# Triad

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



159.2470, 44.1870, 63.7630



146.8760, 65.8930, -43.3150



135.7610, -124.6130, -26.8930

# Complementary

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



159.2470, 44.1870, 63.7630



187.7530, -44.1870, -63.7630

# 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.



128.9380, -104.0230, -47.6310



159.2470, 44.1870, 63.7630



140.0140, 12.2980, -57.7020

# Square

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



159.2470, 44.1870, 63.7630



151.2830, 93.8090, -9.5750



118.7240, -80.7740, -66.9980



134.7300, -131.3550, -14.8350



# Rectangle

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



159.2470, 44.1870, 63.7630



144.6640, 90.2240, 38.8960



118.7240, -80.7740, -66.9980



133.9540, -118.1470, -33.9470

# Sweetspot

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



159.2470, 44.1870, 63.7630



228.9610, 14.0720, 20.3120



127.3700, -31.4150, 46.2250



112.1680, 8.7550, 12.0430



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.



159.2470, 44.1870, 63.7630



151.4310, 56.0130, 80.7250



151.7230, 65.3730, 43.2370



112.7280, 3.9420, 5.6540



72.5720, 60.2300, 86.9020



22.1020, 18.2890, 26.4890



# Inverse Universe

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



159.2470, 44.1870, 63.7630



151.4310, 56.0130, 80.7250



195.2770, -65.3730, -43.2370



112.7280, 3.9420, 5.6540



72.5720, 60.2300, 86.9020



22.1020, 18.2890, 26.4890



# Previews

## White Background



This preview shows how the YIQ color 159.2470, 44.1870, 63.7630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

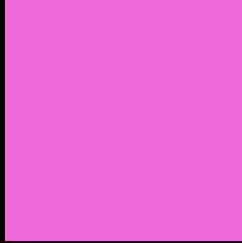
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.2470, 44.1870, 63.7630 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 159.2470, 44.1870, 63.7630

## Background



This preview shows how black text looks on a background with the YIQ color 159.2470, 44.1870, 63.7630.



This preview shows how white text looks on a background with the YIQ color 159.2470, 44.1870,



# 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

159.2470, 44.1870, 63.7630

### Protanopia

155.6360, -53.5560, 23.4680

### Deuteranopia

158.9810, -24.2110, 14.7730



## Tritanopia

159.4210, 59.6910, 25.0590

# Trichromacy



## Original Color

159.2470, 44.1870, 63.7630



## Protanomaly

156.7440, -18.2090, 38.1670



## Deuteranomaly

159.2220, 0.6360, 32.5400



## Tritanomaly

159.0420, 54.0490, 39.2090

# Monochromacy



## Original Color

159.2470, 44.1870, 63.7630



## Achromatopsia

159.0000, -0.0000, 0.0000



## Achromatomaly

159.3250, 16.0430, 23.1390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.2470, 44.1870, 63.7630 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(241, 106, 219)` looks like.

```
.text, #text, p{  
    color:rgb(241, 106, 219)  
}
```

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(241, 106, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 106, 219) }
```

## Border

The CSS property to change the border of an element to YIQ 159.2470, 44.1870, 63.7630 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(241, 106, 219) }
```



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

```
.border{ border-color:rgb(241, 106, 219) }
```

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

Here you see how a box with a 4 pixel rgb(241, 106, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 106, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 106, 219);  
box-shadow:4px 4px 4px 4px rgb(241, 106,  
219) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.2470, 44.1870, 63.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 106, 219) }
```

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

```
.background{ background-color: rgb(241,  
106, 219) }
```

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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