

Converting Colors

YIQ(186.5370, 39.8340, 49.0340)

Have a look what the booklet for
YIQ(186.5370, 39.8340, 49.0340)
contains.

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Color

**YIQ(186.5370, 39.8340,
49.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90E2
RGB	255, 144, 226
RGB Percent	100%, 56%, 89%
CMY	0.0000, 0.4355, 0.1136
CMYK	0.00, 0.44, 0.11, 0.00
HSL	316°, 100%, 78%
HSV	316°, 44%, 100%
XYZ	64.9370, 46.6848, 77.5574
YIQ	186.5370, 39.8340, 49.0340

Conversions

Conversions Part 2

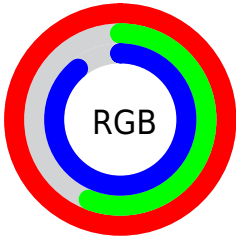
Format	Color
R _Y B	255, 144, 226
Decimal	16748770
CIE Lab	73.99, 52.50, -23.46
CIE LCh	74, 57.501, 335.917
Yxy	46.6848, 0.3433, 0.2468
Android (android.graphics.Color)	4294938850 (0xFFFF90E2)
YUV	186.5370, 19.4553, 60.0421
Hunter-Lab	68.3262, 50.0748, -19.4719

Details

The YIQ color **186.5370, 39.8340, 49.0340** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **212.4630, -39.8340, -49.0340**, and the grayscale version is **186.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **222.7150, 15.1250, 28.7650**, and **130.9280, 37.1750, 47.6630** is the 20% darker color. If you saturate the color by 10%, you get **170.4770, 49.2310, 60.4550**, and if you desaturate by 10%, it is **202.0100, 30.7120, 38.1360**.

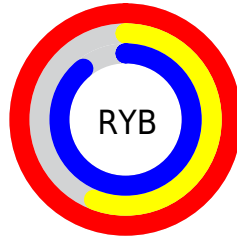
Distribution



Red (100%)

Green (56%)

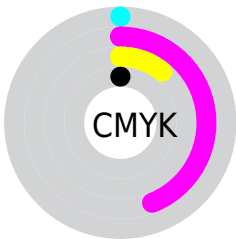
Blue (89%)



Red (100%)

Yellow (56%)

Blue (89%)

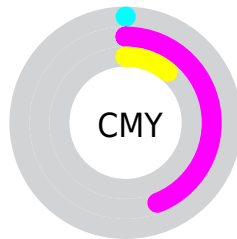


Cyan (0%)

Magenta (44%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 186.5370, 39.8340, 49.0340 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 186.5370, 39.8340, 49.0340 by changing the saturation by 10% instead.


 186.5370, 39.8340,
49.0340

 186.5370, 39.8340,
49.0340


255.0000, -0.0000,
-0.0000


 158.5260, 38.3670,
48.0870


 222.7150, 15.1250,
28.7650


 130.9280, 37.1750,
47.6630

 239.7380, 7.1500,
13.5980

 103.6290, 36.5790,
47.4510

 75.2700, 36.2120,
48.5960

 44.3890, 37.4950,
52.8790

 33.5800, 29.1070,
39.6910

 23.2980, 20.6730,

27.3370

■ 13.4290, 12.5140,
15.5060

■ 0.0000, 0.0000,
0.0000

■ 186.5370, 39.8340,
49.0340

■ 186.5370, 39.8340,
49.0340

■ 170.4770, 49.2310,
60.4550

■ 202.0100, 30.7120,
38.1360

■ 155.1180, 58.0320,
71.6640

■ 217.9560, 21.6360,
26.4040

■ 139.0580, 67.4290,
83.0850

■ 233.4290, 12.5140,
15.5060

■ 123.5850, 76.5510,
93.9830

■ 249.4890, 3.1170,
4.0850

■ 107.6390, 85.6270, 255.0000, -0.0000,
105.7150 -0.0000

■ 97.6770, 91.6320,
112.5280

Harmonies

Analogous

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



184.8390, -8.3510, 35.7210



186.5370, 39.8340, 49.0340



175.7990, 59.0470, 36.7350

Triad

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



186.5370, 39.8340, 49.0340



175.3260, 47.5510, -30.2810



149.0970, -134.6070, -32.9990

Complementary

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



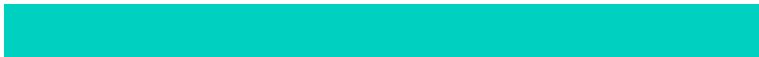
186.5370, 39.8340, 49.0340



212.4630, -39.8340, -49.0340

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.



143.8700, -118.5110, -49.3830



186.5370, 39.8340, 49.0340



170.0800, 3.9050, -43.2550

Square

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



186.5370, 39.8340, 49.0340



179.5120, 74.2310, -7.1850



155.9860, -60.4200, -50.4040



145.8830, -136.5800, -24.7720

Rectangle

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



186.5370, 39.8340, 49.0340



174.2710, 68.8610, 24.0690



155.9860, -60.4200, -50.4040



147.8600, -129.7460, -38.4980

Sweetspot

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



186.5370, 39.8340, 49.0340



234.6030, 11.9640, 14.4600



165.0260, -18.9430, 40.4570



114.9890, 7.7010, 9.1170



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.



186.5370, 39.8340, 49.0340



172.9390, 47.8100, 58.6740



180.3810, 57.1680, 32.2400



119.9130, 4.8590, 5.5550



73.1830, 68.5750, 84.3430



24.4940, 23.0570, 28.1850

Inverse Universe

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



186.5370, 39.8340, 49.0340



172.9390, 47.8100, 58.6740



218.6190, -57.1680, -32.2400



119.9130, 4.8590, 5.5550



73.1830, 68.5750, 84.3430



24.4940, 23.0570, 28.1850

Previews

White Background



This preview shows how the YIQ color 186.5370, 39.8340, 49.0340 looks on a white background.

Color Contrast Check

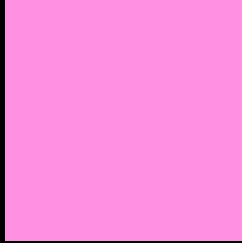
Large Text (above 18pt) WCAG AA × Fail

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 186.5370, 39.8340, 49.0340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

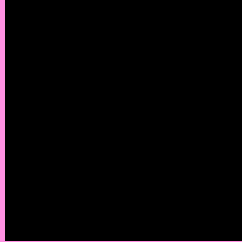
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 186.5370, 39.8340, 49.0340

Background



This preview shows how black text looks on a background with the YIQ color 186.5370, 39.8340, 49.0340.



This preview shows how white text looks on a background with the YIQ color 186.5370, 39.8340,

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

186.5370, 39.8340, 49.0340

Protanopia

182.5270, -34.4360, 18.3640

Deuteranopia

183.6850, -11.6940, 13.6980



Tritanopia

184.8760, 50.9800, 23.2360

Trichromacy



Original Color

186.5370, 39.8340, 49.0340



Protanomaly

184.0360, -7.7080, 29.5720



Deuteranomaly

184.9420, 7.0560, 26.3200



Tritanomaly

185.8190, 47.1270, 32.4950

Monochromacy



Original Color

186.5370, 39.8340, 49.0340



Achromatopsia

187.0000, -0.0000, -0.0000



Achromatomaly

186.6790, 14.8060, 18.0220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 186.5370, 39.8340, 49.0340 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, 144, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 226)  
}
```

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, 144, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 226) }
```

Border

The CSS property to change the border of an element to YIQ 186.5370, 39.8340, 49.0340 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, 144, 226) }
```


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

```
.border{ border-color:rgb(255, 144, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
226) }
```

Background

The CSS property to change the background color of an element to YIQ 186.5370, 39.8340, 49.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 226) }
```

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

```
.background{ background-color: rgb(255,  
144, 226) }
```

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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