

Converting Colors

YIQ(168.9100, 37.5860, 56.7380)

Have a look what the booklet for
YIQ(168.9100, 37.5860, 56.7380)
contains.

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Color

**YIQ(168.9100, 37.5860,
56.7380)**

Conversions

Conversions Part 1

Format	Color
Hex	F07AE0
RGB	240, 122, 224
RGB Percent	94%, 48%, 88%
CMY	0.0585, 0.5217, 0.1215
CMYK	0.00, 0.49, 0.07, 0.06
HSL	308°, 80%, 71%
HSV	308°, 49%, 94%
XYZ	56.3754, 37.8304, 74.8644
YIQ	168.9100, 37.5860, 56.7380

Conversions

Conversions Part 2

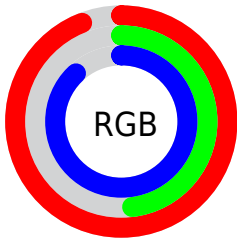
Format	Color
R _Y B	240, 122, 224
Decimal	15760096
CIE Lab	67.90, 58.48, -31.88
CIE LCh	68, 66.606, 331.408
Yxy	37.8304, 0.3334, 0.2238
Android (android.graphics.Color)	4293950176 (0xFFFF07AE0)
YUV	168.9100, 27.1594, 62.3459
Hunter-Lab	61.5064, 55.9730, -29.1122

Details

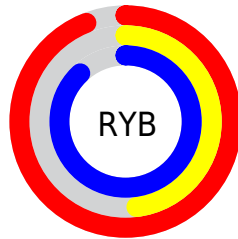
The YIQ color **168.9100, 37.5860, 56.7380** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **193.0900, -37.5860, -56.7380**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **209.8010, 21.1750, 40.2710**, and **112.8990, 36.1190, 55.7910** is the 20% darker color. If you saturate the color by 10%, you get **154.4800, 45.1490, 68.3570**, and if you desaturate by 10%, it is **183.3400, 30.0230, 45.1190**.

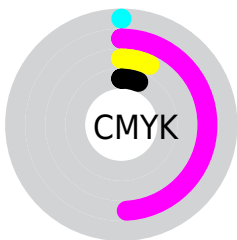
Distribution



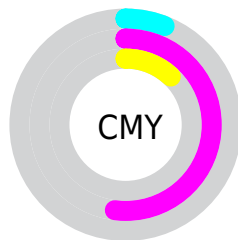
- Red (94%)
- Green (48%)
- Blue (88%)



- Red (94%)
- Yellow (48%)
- Blue (88%)



- Cyan (0%)
- Magenta (49%)
- Yellow (7%)
- Black (6%)





- Cyan (6%)
- Magenta (52%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 168.9100, 37.5860, 56.7380 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 168.9100, 37.5860, 56.7380 by changing the saturation by 10% instead.


 168.9100, 37.5860,
56.7380


 168.9100, 37.5860,
56.7380


255.0000, -0.0000,
-0.0000

 140.6110, 36.9900,
56.5260


 209.8010, 21.1750,
40.2710


 112.8990, 36.1190,
55.7910


 226.8240, 13.2000,
25.1040

 83.0670, 35.7060,
57.7700

 243.8470, 5.2250,
9.9370

 50.5990, 37.2640,
62.5760

 39.6760, 29.1970,
49.0770

 28.8670, 20.8090,
35.8890

 19.4820, 14.1630,

24.1710

■ 3.7040, -4.6780,
7.6900

■ 0.0000, 0.0000,
0.0000

■ 168.9100, 37.5860,
56.7380

■ 168.9100, 37.5860,
56.7380

■ 154.4800, 45.1490,
68.3570

■ 183.3400, 30.0230,
45.1190

■ 139.9360, 53.0330,
79.6650

■ 197.8840, 22.1390,
33.8110

■ 125.5060, 60.5960,
91.2840

■ 212.3140, 14.5760,
22.1920

■ 111.0760, 68.1590,
102.9030

■ 226.7440, 7.0130,
10.5730

96.6460, 75.7220,
114.5220

241.1740, -0.5500,
-1.0460

95.3580, 76.5930,
115.2570

249.2610, -5.4090,
-6.6010

249.6030, -6.3720,
-5.6680

249.9450, -7.3350,
-4.7350

250.2870, -8.2980,
-3.8020

Harmonies

Analogous

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



166.4770, -21.8310, 37.7290



168.9100, 37.5860, 56.7380



157.8640, 69.5900, 49.4140

Triad

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



168.9100, 37.5860, 56.7380



156.4660, 61.5360, -35.9360



139.1690, -125.9420, -30.3420

Complementary

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



168.9100, 37.5860, 56.7380



193.0900, -37.5860, -56.7380

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.



132.9160, -106.9570, -49.5250



168.9100, 37.5860, 56.7380



151.4690, 12.7550, -49.4610

Square

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



168.9100, 37.5860, 56.7380



161.3240, 86.5640, -4.9240



129.7790, -73.4390, -62.2630



138.2520, -133.0050, -17.9730

Rectangle

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



168.9100, 37.5860, 56.7380



155.6520, 81.3300, 34.8820



129.7790, -73.4390, -62.2630



137.5900, -120.1180, -36.7740

Sweetspot

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



168.9100, 37.5860, 56.7380



232.1240, 12.0550, 18.3190



140.2360, -28.3420, 40.0900



114.0430, 7.6090, 10.7850



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.



168.9100, 37.5860, 56.7380



164.6700, 47.6700, 72.2300



162.1840, 56.5250, 38.3890



112.7280, 3.9420, 5.6540



73.1420, 58.6250, 88.4570



22.2160, 17.9680, 26.8000

Inverse Universe

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



168.9100, 37.5860, 56.7380



164.6700, 47.6700, 72.2300



199.8160, -56.5250, -38.3890



112.7280, 3.9420, 5.6540



73.1420, 58.6250, 88.4570



22.2160, 17.9680, 26.8000

Previews

White Background



This preview shows how the YIQ color 168.9100, 37.5860, 56.7380 looks on a white background.

Color Contrast Check

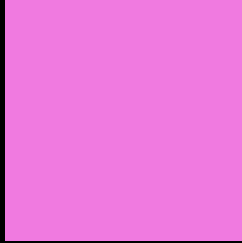
Large Text (above 18pt) WCAG AA × Fail

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 168.9100, 37.5860, 56.7380 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 168.9100, 37.5860, 56.7380

Background



This preview shows how black text looks on a background with the YIQ color 168.9100, 37.5860, 56.7380.



This preview shows how white text looks on a background with the YIQ color 168.9100, 37.5860,

56.7380.

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

168.9100, 37.5860, 56.7380

Protanopia

164.5180, -47.4120, 22.2520

Deuteranopia

166.4650, -22.6980, 14.8860



Tritanopia

167.6480, 51.6220, 22.6140

Trichromacy



Original Color

168.9100, 37.5860, 56.7380



Protanomaly

166.1200, -16.5120, 34.9440



Deuteranomaly

167.2710, -1.0600, 30.2360



Tritanomaly

168.1010, 46.3930, 34.7850

Monochromacy



Original Color

168.9100, 37.5860, 56.7380



Achromatopsia

169.0000, -0.0000, -0.0000



Achromatomaly

169.0750, 13.7510, 20.6230

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.9100, 37.5860, 56.7380 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(240, 122, 224)` looks like.

```
.text, #text, p{  
    color:rgb(240, 122, 224)  
}
```

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(240, 122, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 122, 224) }
```

Border

The CSS property to change the border of an element to YIQ 168.9100, 37.5860, 56.7380 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(240, 122, 224) }
```


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

```
.border{ border-color:rgb(240, 122, 224) }
```

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

Here you see how a box with a 4 pixel rgb(240, 122, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 122, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 122, 224);  
box-shadow:4px 4px 4px 4px rgb(240, 122,  
224) }
```

Background

The CSS property to change the background color of an element to YIQ 168.9100, 37.5860, 56.7380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 122, 224) }
```

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

```
.background{ background-color: rgb(240,  
122, 224) }
```

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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