

Converting Colors

YIQ(167.8360, 4.8990, 37.8830)

Have a look what the booklet for
YIQ(167.8360, 4.8990, 37.8830)
contains.

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Color

**YIQ(167.8360, 4.8990,
37.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	C48EE3
RGB	196, 142, 227
RGB Percent	77%, 56%, 89%
CMY	0.2312, 0.4432, 0.1098
CMYK	0.14, 0.37, 0.00, 0.11
HSL	278°, 60%, 72%
HSV	278°, 37%, 89%
XYZ	46.3101, 36.6267, 77.2933
YIQ	167.8360, 4.8990, 37.8830

Conversions

Conversions Part 2

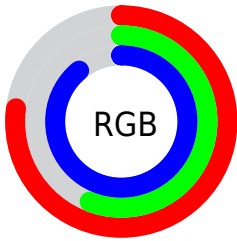
Format	Color
R _Y B	196, 142, 227
Decimal	12881635
CIE Lab	67.00, 35.70, -35.32
CIE LCh	67, 50.218, 315.312
Yxy	36.6267, 0.2890, 0.2286
Android (android.graphics.Color)	4291071715 (0xFFC48EE3)
YUV	167.8360, 29.1679, 24.6998
Hunter-Lab	60.5200, 30.6790, -33.3585

Details

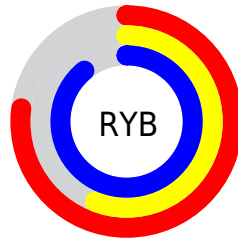
The YIQ color $167.8360, 4.8990, 37.8830$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $201.1640, -4.8990, -37.8830$, and the grayscale version is $168.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $220.0680, 15.6290, 30.6450$, and $115.0700, 4.1200, 35.4800$ is the 20% darker color. If you saturate the color by 10%, you get $151.9430, 6.4560, 48.2160$, and if you desaturate by 10%, it is $183.7290, 3.3420, 27.5500$.

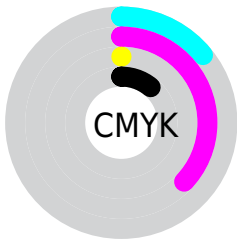
Distribution



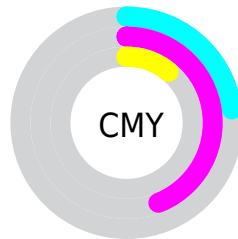
- Red (77%)
- Green (56%)
- Blue (89%)



- Red (77%)
- Yellow (56%)
- Blue (89%)



- Cyan (14%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)



- Cyan (23%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 167.8360, 4.8990, 37.8830 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 167.8360, 4.8990, 37.8830 by changing the saturation by 10% instead.

167.8360, 4.8990,
37.8830

167.8360, 4.8990,
37.8830

255.0000, -0.0000,
-0.0000

141.0100, 4.3490,
36.8370

220.0680, 15.6290,
30.6450

115.0700, 4.1200,
35.4800

237.3900, 8.2500,
15.6900

89.2440, 3.5700,
34.4340

254.4130, 0.2750,
0.5230

64.7170, 3.6160,
33.6000

40.0050, 2.7450,
32.8650

19.5270, 1.0950,
29.7270

9.8430, -6.1470,

17.7970

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,
0.0000

■ 167.8360, 4.8990,
37.8830

■ 167.8360, 4.8990,
37.8830

■ 151.9430, 6.4560,
48.2160

■ 183.7290, 3.3420,
27.5500

■ 136.6370, 7.7380,
58.0260

■ 199.3340, 2.6560,
17.9520

■ 120.4450, 8.6990,
68.1470

■ 215.2270, 1.0990,
7.6190

■ 104.5520, 10.2560,
78.4800

■ 231.1200, -0.4580,
-2.7140

■ 88.6590, 11.8130,
88.8130

■ 246.4260, -1.7400,
-12.5240

■ 73.0540, 12.4990,
98.4110

■ 249.1170, 3.6240,
-10.6160

■ 68.9340, 12.9570,
101.1250

■ 251.5090, 8.3920,
-8.9200

■ 251.8080, 8.9880,
-8.7080

Harmonies

Analogous

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



160.9910, -47.3660, 21.4180



167.8360, 4.8990, 37.8830



166.7190, 44.8330, 41.0330

Triad

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



167.8360, 4.8990, 37.8830



160.4390, 58.1390, -12.9090



130.2720, -110.5350, -39.7430

Complementary

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



167.8360, 4.8990, 37.8830



201.1640, -4.8990, -37.8830

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.



133.4220, -76.1470, -46.2190



167.8360, 4.8990, 37.8830



156.7570, 30.2200, -30.0680

Square

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



167.8360, 4.8990, 37.8830



162.2090, 71.4310, 10.5270



150.8150, -11.2260, -38.8580



133.1850, -122.8710, -25.4230

Rectangle

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



167.8360, 4.8990, 37.8830



164.5390, 62.7150, 36.3390



150.8150, -11.2260, -38.8580



128.5620, -105.7200, -44.4080

Sweetspot

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



167.8360, 4.8990, 37.8830



235.5740, 1.7400, 12.5240



169.8870, -35.8100, 10.2220



115.9280, 0.5030, 7.4070



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.



167.8360, 4.8990, 37.8830



174.9370, 6.5930, 51.2410



175.8510, 26.9060, 41.0340



106.7600, 0.9160, 5.4280



54.4920, 10.4850, 79.8370



15.3820, 2.7010, 22.6450

Inverse Universe

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



170.9490, 40.7090, 27.6610



179.1730, 55.0580, 37.4420



193.1490, -26.9060, -41.0340



107.0440, 5.8680, 3.7880



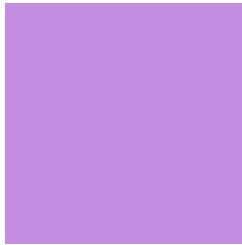
60.9310, 85.8190, 58.1630



17.4150, 24.2970, 16.7210

Previews

White Background



This preview shows how the YIQ color 167.8360, 4.8990, 37.8830 looks on a white background.

Color Contrast Check

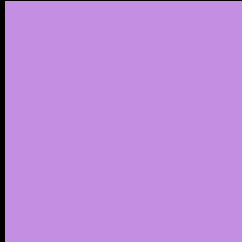
Large Text (above 18pt) WCAG AA × Fail

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 167.8360, 4.8990, 37.8830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

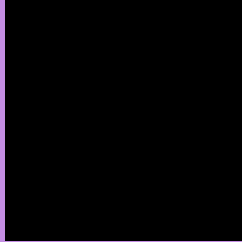
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 167.8360, 4.8990, 37.8830

Background



This preview shows how black text looks on a background with the YIQ color 167.8360, 4.8990, 37.8830.



This preview shows how white text looks on a background with the YIQ color 167.8360, 4.8990,

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

167.8360, 4.8990, 37.8830

Protanopia

162.7590, -40.9010, 19.8910

Deuteranopia

163.2840, -29.4380, 15.8900



Tritanopia

165.9360, 15.2200, 10.5160

Trichromacy



Original Color

167.8360, 4.8990, 37.8830



Protanomaly

164.6580, -24.2590, 26.6610



Deuteranomaly

164.9700, -16.5100, 23.8900



Tritanomaly

166.4060, 11.3210, 20.6090

Monochromacy



Original Color

167.8360, 4.8990, 37.8830



Achromatopsia

168.0000, -0.0000, -0.0000



Achromatomaly

168.1010, 1.6940, 13.3580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 167.8360, 4.8990, 37.8830 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(196, 142, 227)` looks like.

```
.text, #text, p{  
    color:rgb(196, 142, 227)  
}
```

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(196, 142, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 142, 227) }
```

Border

The CSS property to change the border of an element to YIQ 167.8360, 4.8990, 37.8830 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(196, 142, 227) }
```


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

```
.border{ border-color:rgb(196, 142, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 142, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 142, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 142, 227);  
box-shadow:4px 4px 4px 4px rgb(196, 142,  
227) }
```

Background

The CSS property to change the background color of an element to YIQ 167.8360, 4.8990, 37.8830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 142, 227) }
```

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

```
.background{ background-color: rgb(196,  
142, 227) }
```

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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