

# Converting Colors

YIQ(168.3110, 36.9940, 34.4180)

Have a look what the booklet for  
YIQ(168.3110, 36.9940, 34.4180)  
contains.

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# Color

**YIQ(168.3110, 36.9940,  
34.4180)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E188BA
RGB	225, 136, 186
RGB Percent	88%, 53%, 73%
CMY	0.1174, 0.4668, 0.2705
CMYK	0.00, 0.40, 0.17, 0.12
HSL	326°, 60%, 71%
HSV	326°, 40%, 88%
XYZ	48.7354, 37.1617, 51.0740
YIQ	168.3110, 36.9940, 34.4180

# Conversions

## Conversions Part 2

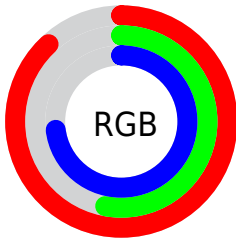
Format	Color
R <sub>Y</sub> B	225, 136, 186
Decimal	14780602
CIE Lab	67.40, 40.72, -11.61
CIE LCh	67, 42.343, 344.090
Yxy	37.1617, 0.3558, 0.2713
Android (android.graphics.Color)	4292970682 (0xFFE188BA)
YUV	168.3110, 8.7207, 49.7163
Hunter-Lab	60.9604, 36.0231, -7.0023

# Details

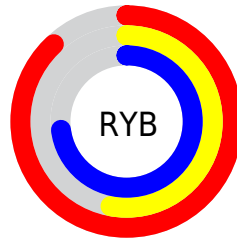
The YIQ color **168.3110, 36.9940, 34.4180** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **192.6890, -36.9940, -34.4180**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **215.9500, 21.7730, 29.4290**, and **114.7020, 34.3350, 33.0470** is the 20% darker color. If you saturate the color by 10%, you get **153.6700, 46.5290, 43.3370**, and if you desaturate by 10%, it is **182.3650, 27.7340, 26.0220**.

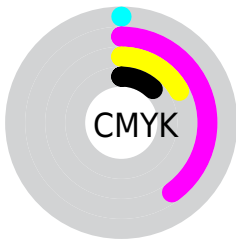
# Distribution



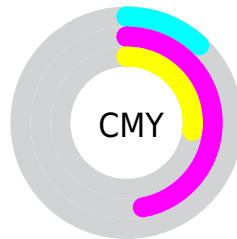
- Red (88%)
- Green (53%)
- Blue (73%)



- Red (88%)
- Yellow (53%)
- Blue (73%)



- Cyan (0%)
- Magenta (40%)
- Yellow (17%)
- Black (12%)



- Cyan (12%)
- Magenta (47%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 168.3110, 36.9940, 34.4180 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 168.3110, 36.9940, 34.4180 by changing the saturation by 10% instead.



168.3110, 36.9940,  
34.4180

168.3110, 36.9940,  
34.4180

255.0000, -0.0000,  
-0.0000

141.3000, 35.5270,  
33.4710

215.9500, 21.7730,  
29.4290

114.7020, 34.3350,  
33.0470

233.8680, 9.9000,  
18.8280

88.2180, 32.8220,  
32.9340

250.8910, 1.9250,  
3.6610

62.3320, 32.5010,  
33.2450

33.4400, 32.3170,  
36.5810

22.8700, 24.7540,  
24.9620

13.8980, 18.3830,

13.7670

■ 0.0000, 0.0000,  
0.0000

■ 168.3110, 36.9940,  
34.4180

■ 168.3110, 36.9940,  
34.4180

■ 153.6700, 46.5290,  
43.3370

■ 182.3650, 27.7340,  
26.0220

■ 139.6160, 55.7890,  
51.7330

■ 197.0060, 18.1990,  
17.1030

■ 124.9750, 65.3240,  
60.6520

■ 211.0600, 8.9390,  
8.7070

■ 111.0350, 74.2630,  
69.3590

■ 225.5870, -0.2750,  
-0.5230

■ 96.3940, 83.7980,  
78.2780

■ 239.6410, -9.5350,  
-8.9190

■ 82.3400, 93.0580,  
86.6740

■ 244.8900,  
-14.6700, -9.4700

■ 81.6390, 93.6540,  
86.8860

■ 246.0300,  
-17.8800, -6.3600

# Harmonies

## Analogous

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



168.3640, 3.1120, 31.7200



168.3110, 36.9940, 34.4180



166.2790, 57.2150, 25.8790

# Triad

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



168.3110, 36.9940, 34.4180



159.4780, 26.8720, -24.4560



130.8710, -119.1110, -27.4870

# Complementary

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



168.3110, 36.9940, 34.4180



192.6890, -36.9940, -34.4180

# 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.



128.6420, -108.7010, -39.9410



168.3110, 36.9940, 34.4180



154.4830, -7.0550, -31.8470

# Square

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



168.3110, 36.9940, 34.4180



162.5400, 50.6650, -9.6150



146.0340, -51.2070, -35.6470



145.9000, -90.5510, -5.4230



# Rectangle

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



168.3110, 36.9940, 34.4180



164.9940, 62.0310, 15.6870



146.0340, -51.2070, -35.6470



130.9050, -116.4510, -31.6430

# Sweetspot

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



168.3110, 36.9940, 34.4180



235.3210, 12.6980, 12.1700



157.8070, -5.3250, 35.9470



116.5220, 7.5180, 6.9260



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.



168.3110, 36.9940, 34.4180



177.2300, 50.8840, 47.0120



163.2950, 51.1180, 20.7340



104.9730, 4.6300, 4.1980



63.9100, 73.1170, 68.1010



17.4300, 19.9410, 18.5730



# Inverse Universe

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



168.3110, 36.9940, 34.4180



177.2300, 50.8840, 47.0120



197.7050, -51.1180, -20.7340



104.9730, 4.6300, 4.1980



63.9100, 73.1170, 68.1010



17.4300, 19.9410, 18.5730



# Previews

## White Background



This preview shows how the YIQ color 168.3110, 36.9940, 34.4180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

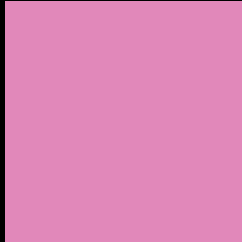
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 168.3110, 36.9940, 34.4180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

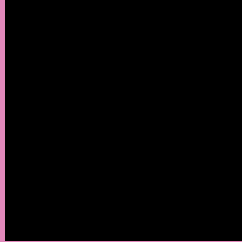
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 168.3110, 36.9940, 34.4180

## Background



This preview shows how black text looks on a background with the YIQ color 168.3110, 36.9940, 34.4180.



This preview shows how white text looks on a background with the YIQ color 168.3110, 36.9940,



# 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

168.3110, 36.9940, 34.4180

### Protanopia

165.2820, -17.9290, 11.0550

### Deuteranopia

166.3950, 0.6860, 9.5980



## Tritanopia

166.8750, 43.5530, 20.1690

# Trichromacy



## Original Color

168.3110, 36.9940, 34.4180



## Protanomaly

166.0890, 1.9680, 19.4080



## Deuteranomaly

166.9070, 14.1640, 18.6440



## Tritanomaly

167.3680, 40.8470, 25.1590

# Monochromacy



## Original Color

168.3110, 36.9940, 34.4180



## Achromatopsia

168.0000, -0.0000, -0.0000



## Achromatomaly

168.0330, 13.5690, 12.9050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 168.3110, 36.9940, 34.4180 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(225, 136, 186)` looks like.

```
.text, #text, p{  
    color:rgb(225, 136, 186)  
}
```

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(225, 136, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 136, 186) }
```

## Border

The CSS property to change the border of an element to YIQ 168.3110, 36.9940, 34.4180 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(225, 136, 186) }
```



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

```
.border{ border-color:rgb(225, 136, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 136, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 136, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 136, 186);  
box-shadow:4px 4px 4px 4px rgb(225, 136,  
186) }
```

# Background

The CSS property to change the background color of an element to YIQ 168.3110, 36.9940, 34.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 136, 186) }
```

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

```
.background{ background-color: rgb(225,  
136, 186) }
```

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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