

# Converting Colors

YIQ(168.9150, 38.0490, 31.8170)

Have a look what the booklet for  
YIQ(168.9150, 38.0490, 31.8170)  
contains.

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# Color

**YIQ(168.9150, 38.0490,  
31.8170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E18AB5
RGB	225, 138, 181
RGB Percent	88%, 54%, 71%
CMY	0.1174, 0.4589, 0.2901
CMYK	0.00, 0.39, 0.20, 0.12
HSL	330°, 59%, 71%
HSV	330°, 39%, 88%
XYZ	48.4967, 37.5211, 48.4184
YIQ	168.9150, 38.0490, 31.8170

# Conversions

## Conversions Part 2

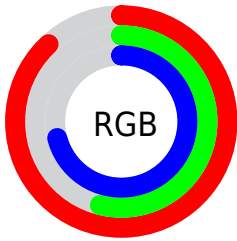
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 138, 181
Decimal	14781109
CIE <sub>Lab</sub>	67.67, 38.91, -8.40
CIE <sub>LCh</sub>	68, 39.808, 347.813
Yxy	37.5211, 0.3607, 0.2791
Android (android.graphics.Color)	4292971189 (0xFFE18AB5)
YUV	168.9150, 5.9579, 49.1865
Hunter-Lab	61.2544, 34.1279, -3.9876

# Details

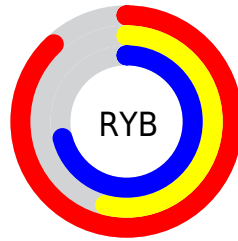
The YIQ color **168.9150, 38.0490, 31.8170** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **194.0850, -38.0490, -31.8170**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **216.5540, 22.8280, 26.8280**, and **115.3060, 35.3900, 30.4460** is the 20% darker color. If you saturate the color by 10%, you get **154.1600, 47.9050, 40.4250**, and if you desaturate by 10%, it is **183.0830, 28.4680, 23.7320**.

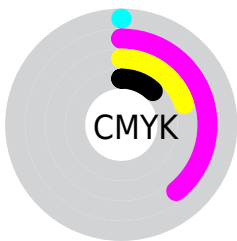
# Distribution



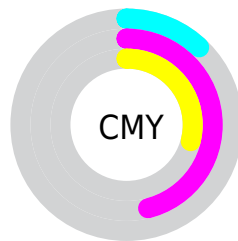
- Red (88%)
- Green (54%)
- Blue (71%)



- Red (88%)
- Yellow (54%)
- Blue (71%)



- Cyan (0%)
- Magenta (39%)
- Yellow (20%)
- Black (12%)




- Cyan (12%)
- Magenta (46%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 168.9150, 38.0490, 31.8170 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 168.9150, 38.0490, 31.8170 by changing the saturation by 10% instead.





 168.9150, 38.0490,  
31.8170

 168.9150, 38.0490,  
31.8170


255.0000, -0.0000,  
-0.0000


 141.9040, 36.5820,  
30.8700


 216.5540, 22.8280,  
26.8280


 115.3060, 35.3900,  
30.4460


 235.0420, 9.3500,  
17.7820

 89.4090, 33.6020,  
29.8100

 252.0650, 1.3750,  
2.6150

 63.6370, 32.9600,  
30.4320

 35.3320, 32.5010,  
33.2450

 22.5280, 25.7170,  
24.0290

 13.3280, 19.9880,

12.2120

■ 0.0000, 0.0000,  
0.0000

■ 168.9150, 38.0490,  
31.8170

■ 168.9150, 38.0490,  
31.8170

■ 154.1600, 47.9050,  
40.4250

■ 183.0830, 28.4680,  
23.7320

■ 139.8780, 57.8070,  
48.1990

■ 197.9520, 18.2910,  
15.4350

■ 125.1230, 67.6630,  
56.8070

■ 212.1200, 8.7100,  
7.3500

■ 110.9550, 77.2440,  
64.8920

■ 226.9890, -1.4670,  
-0.9470

■ 96.0860, 87.4210,  
73.1890

■ 241.1570,  
-11.0480, -9.0320

■ 81.9180, 97.0020,  
81.2740

■ 245.3460,  
-15.9540, -8.2260

■ 79.9290, 98.4690,  
82.2210

■ 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.



169.4630, 7.1470, 30.1790



168.9150, 38.0490, 31.8170



166.9150, 55.2440, 23.0520

# Triad

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



168.9150, 38.0490, 31.8170



159.9660, 22.5620, -23.4380



130.3980, -119.1570, -26.6530

# Complementary

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



168.9150, 38.0490, 31.8170



194.0850, -38.0490, -31.8170

# 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.



129.2120, -110.3060, -38.3860



168.9150, 38.0490, 31.8170



155.2700, -10.7690, -30.6170

# Square

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



168.9150, 38.0490, 31.8170



163.5610, 46.1720, -10.7880



147.3160, -51.9410, -33.3570



152.4460, -74.4130, -0.5330



# Rectangle

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



168.9150, 38.0490, 31.8170



166.1460, 58.5470, 12.7470



147.3160, -51.9410, -33.3570



130.5460, -116.8180, -30.4980

# Sweetspot

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



168.9150, 38.0490, 31.8170



235.0930, 13.3400, 11.5480



161.0740, -1.7030, 36.3850



116.2940, 8.1600, 6.3040



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.



168.9150, 38.0490, 31.8170



179.5950, 51.1140, 42.8420



164.0130, 51.8520, 18.4440



104.9730, 4.6300, 4.1980



62.5420, 76.9690, 64.3690



17.0880, 20.9040, 17.6400



# Inverse Universe

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



168.9150, 38.0490, 31.8170



179.5950, 51.1140, 42.8420



198.9870, -51.8520, -18.4440



104.9730, 4.6300, 4.1980



62.5420, 76.9690, 64.3690



17.0880, 20.9040, 17.6400



# Previews

## White Background



This preview shows how the YIQ color 168.9150, 38.0490, 31.8170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

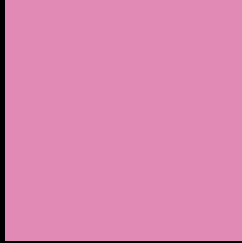
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 168.9150, 38.0490, 31.8170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

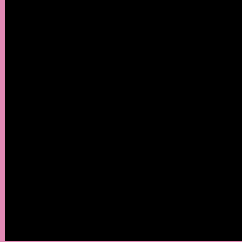
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 168.9150, 38.0490, 31.8170

## Background



This preview shows how black text looks on a background with the YIQ color 168.9150, 38.0490, 31.8170.



This preview shows how white text looks on a background with the YIQ color 168.9150, 38.0490,



# 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

168.9150, 38.0490, 31.8170

### Protanopia

166.0820, -14.4900, 9.3020

### Deuteranopia

166.7220, 4.0790, 8.6790



## Tritanopia

167.8750, 43.5530, 20.1690

# Trichromacy



## Original Color

168.9150, 38.0490, 31.8170

## Protanomaly

167.2910, 4.2150, 17.2310

## Deuteranomaly

167.5220, 16.6860, 16.9900

## Tritanomaly

168.1400, 41.4890, 24.5370

# Monochromacy



## Original Color

168.9150, 38.0490, 31.8170

## Achromatopsia

169.0000, -0.0000, -0.0000

## Achromatomaly

168.9790, 13.6610, 11.2370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 168.9150, 38.0490, 31.8170 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, 138, 181)` looks like.

```
.text, #text, p{  
    color:rgb(225, 138, 181)  
}
```

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, 138, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 138, 181) }
```

## Border

The CSS property to change the border of an element to YIQ 168.9150, 38.0490, 31.8170 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, 138, 181) }
```



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

```
.border{ border-color:rgb(225, 138, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 138, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 138, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 138, 181);  
box-shadow:4px 4px 4px 4px rgb(225, 138,  
181) }
```

# Background

The CSS property to change the background color of an element to YIQ 168.9150, 38.0490, 31.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 138, 181) }
```

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

```
.background{ background-color: rgb(225,  
138, 181) }
```

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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