

# Converting Colors

YIQ(192.2080, 12.4190, 33.7550)

Have a look what the booklet for  
YIQ(192.2080, 12.4190, 33.7550)  
contains.

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# Color

**YIQ(192.2080, 12.4190,  
33.7550)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1A7EC
RGB	225, 167, 236
RGB Percent	88%, 65%, 93%
CMY	0.1175, 0.3452, 0.0745
CMYK	0.05, 0.29, 0.00, 0.07
HSL	290°, 64%, 79%
HSV	290°, 29%, 93%
XYZ	60.0202, 49.6996, 85.7856
YIQ	192.2080, 12.4190, 33.7550

# Conversions

## Conversions Part 2

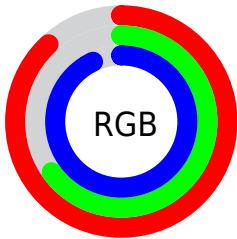
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 167, 236
Decimal	14788588
CIE Lab	75.88, 32.91, -26.30
CIE LCh	76, 42.129, 321.373
Yxy	49.6996, 0.3070, 0.2542
Android (android.graphics.Color)	4292978668 (0xFFE1A7EC)
YUV	192.2080, 21.5895, 28.7586
Hunter-Lab	70.4979, 28.5990, -22.7987

# Details

The YIQ color  $192.2080, 12.4190, 33.7550$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $210.7920, -12.4190, -33.7550$ , and the grayscale version is  $192.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $236.2160, 8.8000, 16.7360$ , and  $137.9690, 11.5940, 32.1860$  is the 20% darker color. If you saturate the color by 10%, you get  $176.9240, 16.6350, 45.4590$ , and if you desaturate by 10%, it is  $207.4920, 8.2030, 22.0510$ .

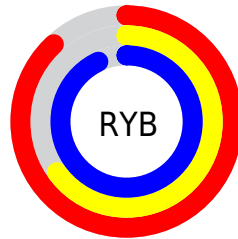
# Distribution



Red (88%)

Green (65%)

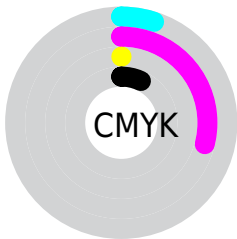
Blue (93%)



Red (88%)

Yellow (65%)

Blue (93%)

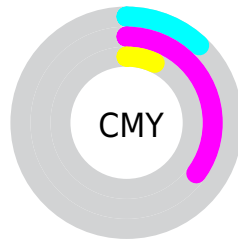


Cyan (5%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (12%)

Magenta (35%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 192.2080, 12.4190, 33.7550 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 192.2080, 12.4190, 33.7550 by changing the saturation by 10% instead.





 192.2080, 12.4190,  
33.7550

 192.2080, 12.4190,  
33.7550


255.0000, -0.0000,  
-0.0000


 164.7950, 12.1440,  
33.2320


 236.2160, 8.8000,  
16.7360


 137.9690, 11.5940,  
32.1860

 252.6520, 1.1000,  
2.0920

 112.1430, 11.0440,  
31.1400

 87.3170, 10.4940,  
30.0940

 62.6050, 9.6230,  
29.3590

 38.1920, 9.3480,  
28.8360

 18.7140, 7.6980,

25.6980

■ 8.5460, -1.0570,  
13.6550

■ 0.5700, -1.6050,  
1.5550

■ 192.2080, 12.4190,  
33.7550

■ 192.2080, 12.4190,  
33.7550

■ 176.9240, 16.6350,  
45.4590

■ 207.4920, 8.2030,  
22.0510

■ 162.5260, 21.1720,  
56.8520

■ 222.1890, 4.2620,  
10.8700

■ 147.2420, 25.3880,  
68.5560

■ 237.1740, -0.5500,  
-1.0460

■ 132.5450, 29.3290,  
79.7370

■ 248.3490, -2.8410,  
-9.0890

■ 117.2610, 33.5450,  
91.4410

■ 249.5450, -0.4570,  
-8.2410

■ 102.2760, 38.3570,  
103.3570

■ 250.7410, 1.9270,  
-7.3930

■ 87.5790, 42.2980,  
114.5380

■ 251.6380, 3.7150,  
-6.7570

■ 86.4050, 42.8480,  
115.5840

■ 252.8340, 6.0990,  
-5.9090

# Harmonies

## Analogous

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



187.6420, -27.3300, 21.7420



192.2080, 12.4190, 33.7550



191.7910, 44.3300, 33.6260

# Triad

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



192.2080, 12.4190, 33.7550



185.1650, 47.2270, -13.3890



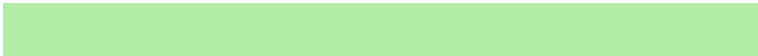
145.9050, -125.6190, -41.7070

# Complementary

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



192.2080, 12.4190, 33.7550



210.7920, -12.4190, -33.7550

# 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.



167.0590, -61.5230, -35.9150



192.2080, 12.4190, 33.7550



181.1890, 20.3160, -26.7880

# Square

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



192.2080, 12.4190, 33.7550



187.3710, 61.9870, 5.4670



175.7530, -16.6830, -33.5710



153.0000, -123.7880, -25.3240



# Rectangle

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



192.2080, 12.4190, 33.7550



188.2400, 52.9510, 26.0630



175.7530, -16.6830, -33.5710



156.9700, -97.8810, -37.7930

# Sweetspot

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



192.2080, 12.4190, 33.7550



240.3030, 3.9410, 11.1810



181.3230, -25.1740, 15.7060



118.2980, 2.3370, 7.2090



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.



192.2080, 12.4190, 33.7550



198.5710, 16.1310, 43.5790



192.8750, 26.3580, 28.9340



109.9450, 1.8330, 5.3290



66.0820, 32.4910, 88.5150



19.6110, 9.4860, 26.3340



# Inverse Universe

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



188.8850, 37.5930, 18.0490



194.2070, 48.5500, 23.2220



210.1250, -26.3580, -28.9340



109.4030, 6.2350, 2.6430



57.4250, 98.5670, 47.3910



17.0580, 29.6160, 13.9360



# Previews

## White Background



This preview shows how the YIQ color 192.2080, 12.4190, 33.7550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

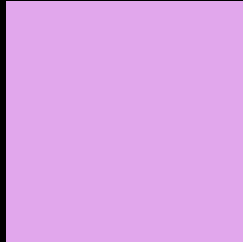
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 192.2080, 12.4190, 33.7550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

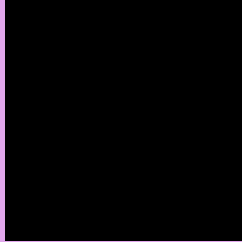
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 192.2080, 12.4190, 33.7550

## Background



This preview shows how black text looks on a background with the YIQ color 192.2080, 12.4190, 33.7550.



This preview shows how white text looks on a background with the YIQ color 192.2080, 12.4190,



# 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

192.2080, 12.4190, 33.7550

### Protanopia

187.8110, -29.4840, 16.7240

### Deuteranopia

188.9880, -16.9210, 14.8150



## Tritanopia

190.1540, 20.5380, 13.2580

# Trichromacy



## Original Color

192.2080, 12.4190, 33.7550



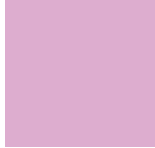
## Protanomaly

189.1120, -14.0340, 23.0700



## Deuteranomaly

190.3640, -6.0560, 21.6560



## Tritanomaly

191.2280, 17.6940, 20.7500

# Monochromacy



## Original Color

192.2080, 12.4190, 33.7550



## Achromatopsia

192.0000, -0.0000, 0.0000



## Achromatomaly

192.1290, 4.4910, 12.2270

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 192.2080, 12.4190, 33.7550 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, 167, 236)` looks like.

```
.text, #text, p{  
    color:rgb(225, 167, 236)  
}
```

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, 167, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 167, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 192.2080, 12.4190, 33.7550 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, 167, 236) }
```



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

```
.border{ border-color:rgb(225, 167, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 167, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 167, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 167, 236);  
box-shadow:4px 4px 4px 4px rgb(225, 167,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 192.2080, 12.4190, 33.7550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 167, 236) }
```

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

```
.background{ background-color: rgb(225,  
167, 236) }
```

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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