

# Converting Colors

YIQ(217.5150, 9.3960, 16.9480)

Have a look what the booklet for  
YIQ(217.5150, 9.3960, 16.9480)  
contains.

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# Color

**YIQ(217.5150, 9.3960,  
16.9480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDCCEC
RGB	237, 204, 236
RGB Percent	93%, 80%, 93%
CMY	0.0705, 0.2000, 0.0745
CMYK	0.00, 0.14, 0.00, 0.07
HSL	302°, 48%, 86%
HSV	302°, 14%, 93%
XYZ	71.6638, 67.2443, 88.5617
YIQ	217.5150, 9.3960, 16.9480

# Conversions

## Conversions Part 2

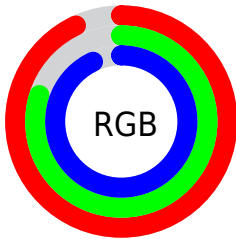
Format	Color
R <sub>Y</sub> B	237, 204, 236
Decimal	15584492
CIE Lab	85.63, 17.03, -11.47
CIE LCh	86, 20.538, 326.041
Yxy	67.2443, 0.3150, 0.2956
Android (android.graphics.Color)	4293774572 (0xFFEDCCEC)
YUV	217.5150, 9.1131, 17.0883
Hunter-Lab	82.0026, 12.4902, -6.6305

# Details

The YIQ color  $217.5150, 9.3960, 16.9480$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $223.4850, -9.3960, -16.9480$ , and the grayscale version is  $217.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $162.6890, 8.8460, 15.9020$  is the 20% darker color. If you saturate the color by 10%, you get  $203.3130, 16.3170, 29.1890$ , and if you desaturate by 10%, it is  $231.7170, 2.4750, 4.7070$ .

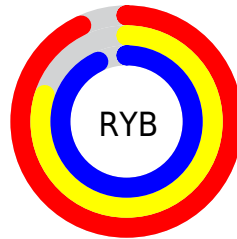
# Distribution



Red (93%)

Green (80%)

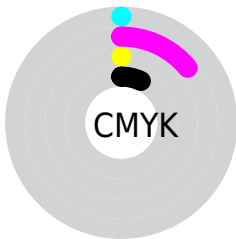
Blue (93%)



Red (93%)

Yellow (80%)

Blue (93%)

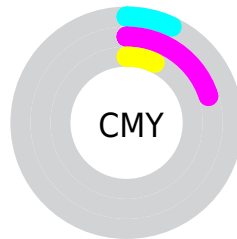


Cyan (0%)

Magenta (14%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (20%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.5150, 9.3960, 16.9480 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 217.5150, 9.3960, 16.9480 by changing the saturation by 10% instead.



217.5150, 9.3960,  
16.9480

217.5150, 9.3960,  
16.9480

255.0000, -0.0000,  
-0.0000

189.5150, 9.3960,  
16.9480

162.6890, 8.8460,  
15.9020

136.2760, 8.5710,  
15.3790

110.8630, 8.2960,  
14.8560

86.4500, 8.0210,  
14.3330

62.7380, 7.1500,  
13.5980

40.3250, 6.8750,

13.0750

■ 18.4390, 6.5540,  
13.3860

■ 1.1400, -3.2100,  
3.1100

■ 217.5150, 9.3960,  
16.9480

■ 217.5150, 9.3960,  
16.9480

■ 203.3130, 16.3170,  
29.1890

■ 231.7170, 2.4750,  
4.7070

■ 189.8120, 22.6420,  
41.2180

■ 245.2180, -3.8500,  
-7.3220

■ 175.6100, 29.5630,  
53.4590

■ 247.6800, -5.2710,  
-9.1030

■ 161.4080, 36.4840,  
65.7000

■ 247.7940, -5.5920,  
-8.7920

147.2060, 43.4050,  
77.9410

247.9080, -5.9130,  
-8.4810

133.7050, 49.7300,  
89.9700

248.0220, -6.2340,  
-8.1700

119.5030, 56.6510,  
102.2110

248.1360, -6.5550,  
-7.8590

105.3010, 63.5720,  
114.4520

248.2500, -6.8760,  
-7.5480

97.0830, 67.4220,  
121.7740

# Harmonies

## Analogous

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



215.6420, -10.1350, 12.9770



217.5150, 9.3960, 16.9480



217.7740, 24.6640, 15.5760

# Triad

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



217.5150, 9.3960, 16.9480



213.8760, 23.4760, -6.9560



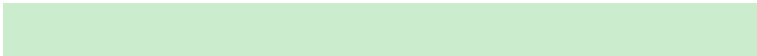
206.7330, -39.1530, -11.8010

# Complementary

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



217.5150, 9.3960, 16.9480



223.4850, -9.3960, -16.9480

# 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.



206.9590, -28.2860, -16.0140



217.5150, 9.3960, 16.9480



211.4610, 8.3470, -13.6130

# Square

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



217.5150, 9.3960, 16.9480



215.9360, 32.4150, 1.7510



209.3000, -10.3130, -16.8490



208.8890, -39.2920, -3.7720



# Rectangle

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



217.5150, 9.3960, 16.9480



217.4880, 31.2210, 12.3810



209.3000, -10.3130, -16.8490



206.3480, -36.6310, -13.4550

# Sweetspot

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



217.5150, 9.3960, 16.9480



249.1300, 2.7500, 5.2300



208.0610, -9.9970, 10.4750



123.7770, 2.2460, 3.3500



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.



217.5150, 9.3960, 16.9480



229.6450, 12.1460, 22.1780



215.6910, 14.5320, 11.9720



110.5430, 3.0250, 5.7530



74.0690, 51.7010, 92.7970



22.0740, 15.4920, 27.6200



# Inverse Universe

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



217.5150, 9.3960, 16.9480



229.6450, 12.1460, 22.1780



225.3090, -14.5320, -11.9720



110.5430, 3.0250, 5.7530



74.0690, 51.7010, 92.7970

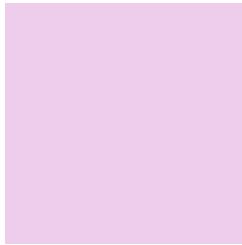


22.0740, 15.4920, 27.6200



# Previews

## White Background



This preview shows how the YIQ color 217.5150, 9.3960, 16.9480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

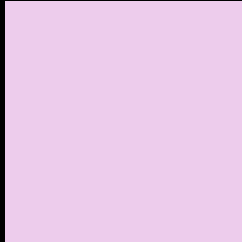
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.5150, 9.3960, 16.9480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

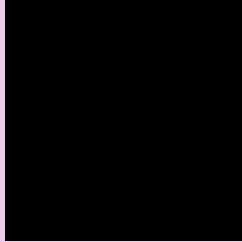
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 217.5150, 9.3960, 16.9480

## Background



This preview shows how black text looks on a background with the YIQ color 217.5150, 9.3960, 16.9480.



This preview shows how white text looks on a background with the YIQ color 217.5150, 9.3960,



# 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

217.5150, 9.3960, 16.9480

### Protanopia

215.2950, -10.7760, 8.0720

### Deuteranopia

216.1610, 1.4650, 12.0010



## Tritanopia

216.4950, 12.1480, 11.1240

# Trichromacy



## Original Color

217.5150, 9.3960, 16.9480

## Protanomaly

216.2960, -3.3490, 11.1390

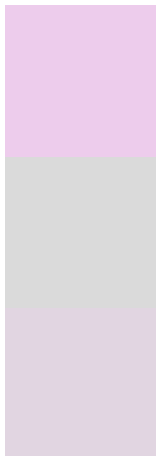
## Deuteranomaly

216.7700, 4.1240, 13.3720

## Tritanomaly

216.7770, 11.4140, 13.4140

# Monochromacy



## Original Color

217.5150, 9.3960, 16.9480

## Achromatopsia

218.0000, -0.0000, 0.0000

## Achromatomaly

217.9560, 3.3000, 6.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.5150, 9.3960, 16.9480 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(237, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(237, 204, 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(237, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 204, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 217.5150, 9.3960, 16.9480 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(237, 204, 236) }
```



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

```
.border{ border-color:rgb(237, 204, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 204, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(237, 204,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.5150, 9.3960, 16.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 204, 236) }
```

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

```
.background{ background-color: rgb(237,  
204, 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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