

# Converting Colors

YIQ(216.9170, 8.2040, 16.5240)

Have a look what the booklet for  
YIQ(216.9170, 8.2040, 16.5240)  
contains.

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# Color

**YIQ(216.9170, 8.2040,  
16.5240)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBCCEC
RGB	235, 204, 236
RGB Percent	92%, 80%, 93%
CMY	0.0783, 0.2000, 0.0745
CMYK	0.00, 0.14, 0.00, 0.07
HSL	298°, 46%, 86%
HSV	298°, 14%, 93%
XYZ	70.9992, 66.9021, 88.5297
YIQ	216.9170, 8.2040, 16.5240

# Conversions

## Conversions Part 2

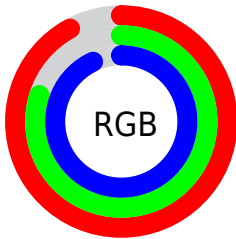
Format	Color
R <sub>Y</sub> B	235, 204, 236
Decimal	15453420
CIE Lab	85.45, 16.37, -11.75
CIE LCh	85, 20.148, 324.332
Yxy	66.9021, 0.3136, 0.2955
Android (android.graphics.Color)	4293643500 (0xFFEBCCEC)
YUV	216.9170, 9.4079, 15.8588
Hunter-Lab	81.7937, 11.8041, -6.9172

# Details

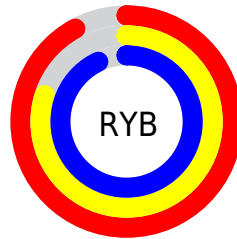
The YIQ color  $216.9170, 8.2040, 16.5240$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $223.0830, -8.2040, -16.5240$ , and the grayscale version is  $217.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $162.0910, 7.6540, 15.4780$  is the 20% darker color. If you saturate the color by 10%, you get  $202.5300, 14.2080, 28.8640$ , and if you desaturate by 10%, it is  $231.3040, 2.2000, 4.1840$ .

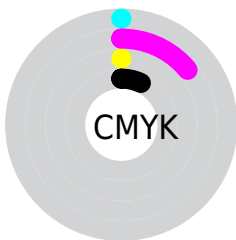
# Distribution



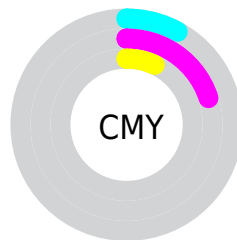
- Red (92%)
- Green (80%)
- Blue (93%)



- Red (92%)
- Yellow (80%)
- Blue (93%)



- Cyan (0%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (20%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 216.9170, 8.2040, 16.5240 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 216.9170, 8.2040, 16.5240 by changing the saturation by 10% instead.



216.9170, 8.2040,  
16.5240

216.9170, 8.2040,  
16.5240

255.0000, -0.0000,  
-0.0000

188.9170, 8.2040,  
16.5240

162.0910, 7.6540,  
15.4780

135.6780, 7.3790,  
14.9550

110.2650, 7.1040,  
14.4320

85.8520, 6.8290,  
13.9090

62.4390, 6.5540,  
13.3860

40.0260, 6.2790,

12.8630

■ 18.1400, 5.9580,  
13.1740

■ 1.1400, -3.2100,  
3.1100

■ 216.9170, 8.2040,  
16.5240

■ 216.9170, 8.2040,  
16.5240

■ 202.5300, 14.2080,  
28.8640

■ 231.3040, 2.2000,  
4.1840

■ 189.0290, 20.5330,  
40.8930

■ 244.8050, -4.1250,  
-7.8450

■ 174.6420, 26.5370,  
53.2330

■ 247.4520, -4.6290,  
-9.7250

■ 160.8420, 32.2660,  
65.0500

■ 247.7510, -4.0330,  
-9.5130

146.4550, 38.2700,  
77.3900

248.0500, -3.4370,  
-9.3010

132.3670, 44.8700,  
89.9420

248.3490, -2.8410,  
-9.0890

118.5670, 50.5990,  
101.7590

248.6480, -2.2450,  
-8.8770

104.1800, 56.6030,  
114.0990

248.9470, -1.6490,  
-8.6650

95.3750, 60.7280,  
121.9440

# Harmonies

## Analogous

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



214.9300, -11.0060, 12.2420



216.9170, 8.2040, 16.5240



217.5890, 23.7470, 15.6750

# Triad

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



216.9170, 8.2040, 16.5240



213.2890, 23.7510, -6.4330



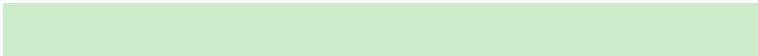
206.2170, -37.6400, -11.6880

# Complementary

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



216.9170, 8.2040, 16.5240



223.0830, -8.2040, -16.5240

# 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.



206.7420, -26.1770, -15.6890



216.9170, 8.2040, 16.5240



211.1730, 9.2180, -12.8780

# Square

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



216.9170, 8.2040, 16.5240



215.0500, 32.0940, 2.0620



208.8980, -9.1210, -16.4250



208.0740, -38.3750, -3.8710



# Rectangle

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



216.9170, 8.2040, 16.5240



216.7160, 30.5790, 13.0030



208.8980, -9.1210, -16.4250



206.4190, -35.3930, -13.8650

# Sweetspot

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



216.9170, 8.2040, 16.5240



249.1300, 2.7500, 5.2300



208.2350, -10.5470, 9.4290



123.5920, 1.3290, 3.4490



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.



216.9170, 8.2040, 16.5240



230.6340, 10.6790, 21.2310



215.5060, 13.6150, 12.0710



110.5430, 3.0250, 5.7530



73.2580, 46.7950, 93.6030



21.7040, 13.6580, 27.8180



# Inverse Universe

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



213.6820, 18.7510, 7.0950



226.3730, 24.1150, 9.0030



224.4940, -13.6150, -12.0710



109.2890, 6.5560, 2.3320



54.8030, 105.9500, 40.2380

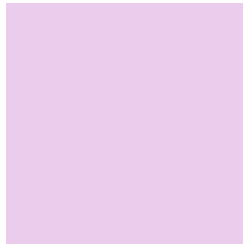


16.3740, 31.5420, 12.0700



# Previews

## White Background



This preview shows how the YIQ color 216.9170, 8.2040, 16.5240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

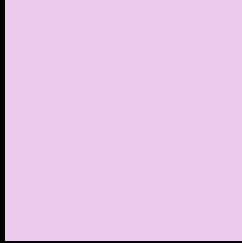
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 216.9170, 8.2040, 16.5240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

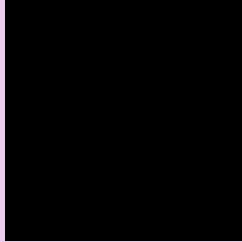
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 216.9170, 8.2040, 16.5240

## Background



This preview shows how black text looks on a background with the YIQ color 216.9170, 8.2040, 16.5240.



This preview shows how white text looks on a background with the YIQ color 216.9170, 8.2040,



# 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

216.9170, 8.2040, 16.5240

### Protanopia

214.4090, -11.0970, 8.3830

### Deuteranopia

215.8620, 0.8690, 11.7890



## Tritanopia

215.8970, 10.9560, 10.7000

# Trichromacy



## Original Color

216.9170, 8.2040, 16.5240

## Protanomaly

215.1110, -4.2660, 11.2380

## Deuteranomaly

216.4710, 3.5280, 13.1600

## Tritanomaly

216.1790, 10.2220, 12.9900

# Monochromacy



## Original Color

216.9170, 8.2040, 16.5240

## Achromatopsia

217.0000, -0.0000, 0.0000

## Achromatomaly

216.9560, 3.3000, 6.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 216.9170, 8.2040, 16.5240 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(235, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 204, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 216.9170, 8.2040, 16.5240 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(235, 204, 236) }
```



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

```
.border{ border-color:rgb(235, 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(235, 204, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(235, 204,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 216.9170, 8.2040, 16.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 204, 236) }
```

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

```
.background{ background-color: rgb(235,  
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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