

# Converting Colors

YIQ(217.0090, 4.9490, 14.9410)

Have a look what the booklet for  
YIQ(217.0090, 4.9490, 14.9410)  
contains.

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# Color

**YIQ(217.0090, 4.9490,  
14.9410)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7CEED
RGB	231, 206, 237
RGB Percent	91%, 81%, 93%
CMY	0.0940, 0.1922, 0.0706
CMYK	0.03, 0.13, 0.00, 0.07
HSL	288°, 46%, 87%
HSV	288°, 13%, 93%
XYZ	70.3162, 67.2442, 89.3933
YIQ	217.0090, 4.9490, 14.9410

# Conversions

## Conversions Part 2

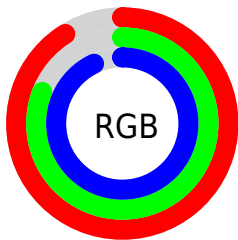
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 206, 237
Decimal	15191789
CIE Lab	85.63, 14.16, -12.06
CIE LCh	86, 18.600, 319.599
Yxy	67.2442, 0.3098, 0.2963
Android (android.graphics.Color)	4293381869 (0xFFE7CEED)
YUV	217.0090, 9.8556, 12.2701
Hunter-Lab	82.0026, 9.5570, -7.2319

# Details

The YIQ color  $217.0090, 4.9490, 14.9410$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $225.9910, -4.9490, -14.9410$ , 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  $162.1830, 4.3990, 13.8950$  is the 20% darker color. If you saturate the color by 10%, you get  $201.4260, 8.5690, 26.4330$ , and if you desaturate by 10%, it is  $232.5920, 1.3290, 3.4490$ .

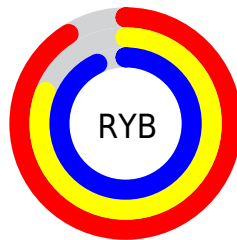
# Distribution



Red (91%)

Green (81%)

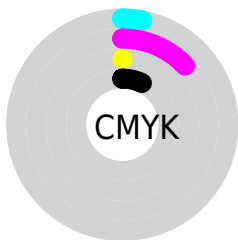
Blue (93%)



Red (91%)

Yellow (81%)

Blue (93%)

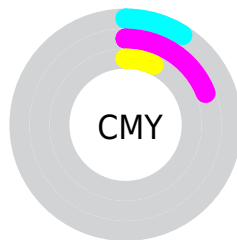


Cyan (3%)

Magenta (13%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (19%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.0090, 4.9490, 14.9410 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 217.0090, 4.9490, 14.9410 by changing the saturation by 10% instead.



■ 217.0090, 4.9490,  
14.9410

■ 217.0090, 4.9490,  
14.9410

255.0000, -0.0000,  
-0.0000

■ 189.0090, 4.9490,  
14.9410

■ 162.1830, 4.3990,  
13.8950

■ 136.0690, 4.7200,  
13.5840

■ 110.6560, 4.4450,  
13.0610

■ 86.2430, 4.1700,  
12.5380

■ 62.8300, 3.8950,  
12.0150

■ 40.4170, 3.6200,

11.4920

■ 19.4170, 3.6200,  
11.4920

■ 1.2540, -3.5310,  
3.4210

■ 217.0090, 4.9490,  
14.9410

■ 217.0090, 4.9490,  
14.9410

■ 201.4260, 8.5690,  
26.4330

■ 232.5920, 1.3290,  
3.4490

■ 186.7290, 12.5100,  
37.6140

■ 247.2890, -2.6120,  
-7.7320

■ 171.1460, 16.1300,  
49.1060

■ 249.9580, -0.1820,  
-7.7180

■ 155.8620, 20.3460,  
60.8100

■ 251.1540, 2.2020,  
-6.8700

■ 140.2790, 23.9660,  
72.3020

■ 252.6490, 5.1820,  
-5.8100

■ 125.5820, 27.9070,  
83.4830

■ 252.9480, 5.7780,  
-5.5980

■ 109.9990, 31.5270,  
94.9750

■ 94.4160, 35.1470,  
106.4670

■ 84.1270, 37.7590,  
114.1990

# Harmonies

## Analogous

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



215.3920, -12.4270, 10.4610



217.0090, 4.9490, 14.9410



217.3220, 20.1250, 15.2370

# Triad

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



217.0090, 4.9490, 14.9410



214.3430, 23.6590, -4.7650



207.3700, -33.6970, -11.5610

# Complementary

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



217.0090, 4.9490, 14.9410



225.9910, -4.9490, -14.9410

# 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.



208.3080, -21.9590, -15.0390



217.0090, 4.9490, 14.9410



212.5970, 10.9600, -11.4080

# Square

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



217.0090, 4.9490, 14.9410



215.6200, 30.4890, 3.6170



209.8060, -5.8660, -14.8420



209.1020, -35.5780, -5.0020



# Rectangle

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



217.0090, 4.9490, 14.9410



217.4490, 26.9570, 12.5650



209.8060, -5.8660, -14.8420



207.2840, -30.5790, -13.0030

# Sweetspot

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



217.0090, 4.9490, 14.9410



248.5320, 1.5580, 4.8060



213.0560, -11.6010, 6.5030



123.2930, 0.7330, 3.2370



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.



217.0090, 4.9490, 14.9410



228.5410, 6.5070, 19.7470



217.7770, 11.4140, 13.4140



109.9450, 1.8330, 5.3290



64.2880, 28.9150, 87.2430



19.0130, 8.2940, 25.9100



# Inverse Universe

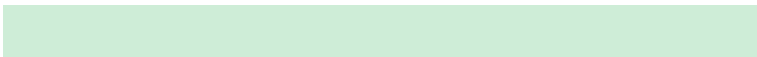
The Inverse Universe completely reimagines the original color for something new.



215.9530, 16.5500, 8.4380



227.1710, 21.8680, 11.1800



225.2230, -11.4140, -13.4140



109.5170, 5.9140, 2.9540



58.1090, 96.6410, 49.2570

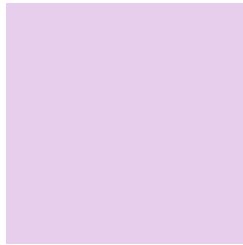


17.2860, 28.9740, 14.5580



# Previews

## White Background



This preview shows how the YIQ color 217.0090, 4.9490, 14.9410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

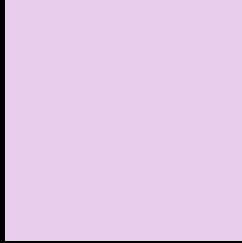
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.0090, 4.9490, 14.9410 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 217.0090, 4.9490, 14.9410

## Background



This preview shows how black text looks on a background with the YIQ color 217.0090, 4.9490, 14.9410.



This preview shows how white text looks on a background with the YIQ color 217.0090, 4.9490,

14.9410.

# 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

217.0090, 4.9490, 14.9410

### Protanopia

215.2950, -10.7760, 8.0720

### Deuteranopia

216.3890, 0.8230, 12.6230



## Tritanopia

216.1030, 7.3800, 9.4280

# Trichromacy



## Original Color

217.0090, 4.9490, 14.9410

## Protanomaly

215.8120, -4.8620, 11.0260

## Deuteranomaly

216.4000, 2.2900, 13.5700

## Tritanomaly

216.3850, 6.6460, 11.7180

# Monochromacy



## Original Color

217.0090, 4.9490, 14.9410

## Achromatopsia

217.0000, -0.0000, 0.0000

## Achromatomaly

216.9450, 1.8330, 5.3290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.0090, 4.9490, 14.9410 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(231, 206, 237)` looks like.

```
.text, #text, p{  
    color:rgb(231, 206, 237)  
}
```

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(231, 206, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 206, 237) }
```

## Border

The CSS property to change the border of an element to YIQ 217.0090, 4.9490, 14.9410 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(231, 206, 237) }
```



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

```
.border{ border-color:rgb(231, 206, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 206, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 206, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 206, 237);  
box-shadow:4px 4px 4px 4px rgb(231, 206,  
237) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.0090, 4.9490, 14.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 206, 237) }
```

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

```
.background{ background-color: rgb(231,  
206, 237) }
```

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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