

# Converting Colors

YIQ(217.4940, 13.8890, 18.1210)

Have a look what the booklet for  
YIQ(217.4940, 13.8890, 18.1210)  
contains.

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# Color

**YIQ(217.4940, 13.8890,  
18.1210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CAE9
RGB	242, 202, 233
RGB Percent	95%, 79%, 91%
CMY	0.0509, 0.2079, 0.0862
CMYK	0.00, 0.17, 0.04, 0.05
HSL	314°, 61%, 87%
HSV	314°, 17%, 95%
XYZ	72.4537, 66.9993, 86.2102
YIQ	217.4940, 13.8890, 18.1210

# Conversions

## Conversions Part 2

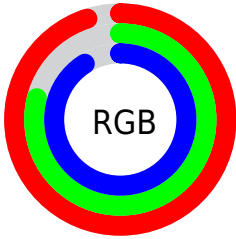
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 202, 233
Decimal	15911657
CIE Lab	85.50, 19.23, -10.02
CIE LCh	86, 21.686, 332.485
Yxy	66.9993, 0.3211, 0.2969
Android (android.graphics.Color)	4294101737 (0xFFFF2CAE9)
YUV	217.4940, 7.6445, 21.4918
Hunter-Lab	81.8531, 14.7595, -5.1489

# Details

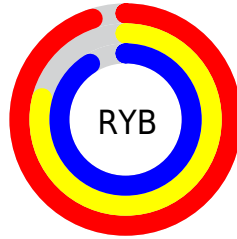
The YIQ color **217.4940, 13.8890, 18.1210** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **226.5060, -13.8890, -18.1210**, and the grayscale version is **217.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **255.0000, -0.0000, -0.0000**, and **162.6680, 13.3390, 17.0750** is the 20% darker color. If you saturate the color by 10%, you get **202.8360, 22.0940, 29.1180**, and if you desaturate by 10%, it is **232.1520, 5.6840, 7.1240**.

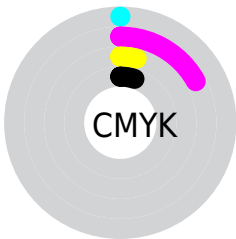
# Distribution



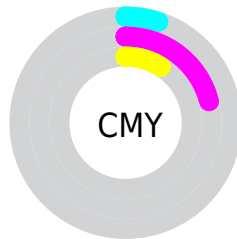
- Red (95%)
- Green (79%)
- Blue (91%)



- Red (95%)
- Yellow (79%)
- Blue (91%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (21%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.4940, 13.8890, 18.1210 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 217.4940, 13.8890, 18.1210 by changing the saturation by 10% instead.





 217.4940, 13.8890,  
18.1210


 217.4940, 13.8890,  
18.1210


255.0000, -0.0000,  
-0.0000


 189.4940, 13.8890,  
18.1210

 162.6680, 13.3390,  
17.0750

 136.0700, 12.1470,  
16.6510

 110.6570, 11.8720,  
16.1280

 86.2440, 11.5970,  
15.6050

 62.5320, 10.7260,  
14.8700

 39.8200, 9.8550,

14.1350

■ 18.2330, 10.1300,  
14.6580

■ 0.6840, -1.9260,  
1.8660

■ 217.4940, 13.8890,  
18.1210

■ 217.4940, 13.8890,  
18.1210

■ 202.8360, 22.0940,  
29.1180

■ 232.1520, 5.6840,  
7.1240

■ 188.0640, 30.6200,  
39.8040

■ 246.9240, -2.8420,  
-3.5620

■ 172.8190, 39.1000,  
51.3240

■ 250.4290, -5.8220,  
-4.6220

■ 158.0470, 47.6260,  
62.0100

■ 251.1130, -7.7480,  
-2.7560

■ 143.3890, 55.8310,  
73.0070

■ 128.6170, 64.3570,  
83.6930

■ 113.9590, 72.5620,  
94.6900

■ 98.6000, 81.3630,  
105.8990

■ 93.7900, 83.8840,  
109.7720

# Harmonies

## Analogous

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



216.1480, -5.6880, 14.9840



217.4940, 13.8890, 18.1210



217.3400, 28.8820, 16.2260

# Triad

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



217.4940, 13.8890, 18.1210



212.9250, 21.7800, -9.2600



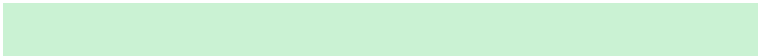
206.1070, -43.1420, -11.0940

# Complementary

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



217.4940, 13.8890, 18.1210



226.5060, -13.8890, -18.1210

# 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.



206.2080, -33.4210, -16.5650



217.4940, 13.8890, 18.1210



210.2540, 4.4960, -15.4080

# Square

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



217.4940, 13.8890, 18.1210



214.7680, 32.8280, -0.2280



208.0220, -15.4020, -18.2340



208.6440, -39.9800, -2.3160



# Rectangle

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



217.4940, 13.8890, 18.1210



216.3310, 33.1010, 11.3490



208.0220, -15.4020, -18.2340



205.7220, -40.6200, -12.7480

# Sweetspot

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



217.4940, 13.8890, 18.1210



247.0270, 4.5380, 5.8660



209.2510, -7.4760, 14.3480



123.0760, 2.8420, 3.5620



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.



217.4940, 13.8890, 18.1210



223.8090, 17.5560, 23.2520



215.2140, 20.3090, 11.9010



112.6140, 4.2630, 5.3430



71.2040, 64.0820, 83.1700



21.6460, 19.5730, 25.2450



# Inverse Universe

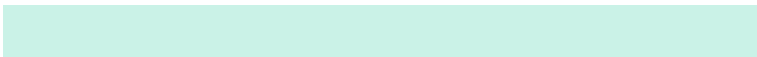
The Inverse Universe completely reimagines the original color for something new.



217.4940, 13.8890, 18.1210



223.8090, 17.5560, 23.2520



228.7860, -20.3090, -11.9010



112.6140, 4.2630, 5.3430



71.2040, 64.0820, 83.1700



21.6460, 19.5730, 25.2450



# Previews

## White Background



This preview shows how the YIQ color 217.4940, 13.8890, 18.1210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

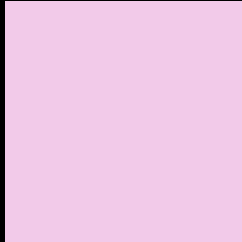
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.4940, 13.8890, 18.1210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

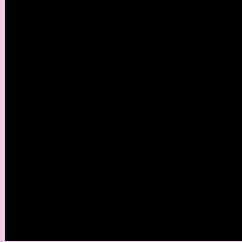
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 217.4940, 13.8890, 18.1210

## Background



This preview shows how black text looks on a background with the YIQ color 217.4940, 13.8890, 18.1210.



This preview shows how white text looks on a background with the YIQ color 217.4940, 13.8890,



# 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

217.4940, 13.8890, 18.1210

### Protanopia

214.5940, -10.1800, 8.2840

### Deuteranopia

216.1180, 3.0240, 11.2800



## Tritanopia

216.5880, 16.3200, 12.6080

# Trichromacy



## Original Color

217.4940, 13.8890, 18.1210

## Protanomaly

215.4920, -0.9650, 11.9870

## Deuteranomaly

216.7380, 7.1500, 13.5980

## Tritanomaly

216.8700, 15.5860, 14.8980

# Monochromacy



## Original Color

217.4940, 13.8890, 18.1210

## Achromatopsia

217.0000, -0.0000, 0.0000

## Achromatomaly

217.4400, 4.8130, 6.3890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.4940, 13.8890, 18.1210 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(242, 202, 233)` looks like.

```
.text, #text, p{  
    color:rgb(242, 202, 233)  
}
```

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(242, 202, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 202, 233) }
```

## Border

The CSS property to change the border of an element to YIQ 217.4940, 13.8890, 18.1210 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(242, 202, 233) }
```



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

```
.border{ border-color:rgb(242, 202, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 202, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 202, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 202, 233);  
box-shadow:4px 4px 4px 4px rgb(242, 202,  
233) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.4940, 13.8890, 18.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 202, 233) }
```

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

```
.background{ background-color: rgb(242,  
202, 233) }
```

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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