

# Converting Colors

YIQ(228.8980, 18.3830, 13.7670)

Have a look what the booklet for  
YIQ(228.8980, 18.3830, 13.7670)  
contains.

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# Color

**YIQ(228.8980, 18.3830,  
13.7670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7E8
RGB	255, 215, 232
RGB Percent	100%, 84%, 91%
CMY	0.0000, 0.1569, 0.0901
CMYK	0.00, 0.16, 0.09, 0.00
HSL	334°, 100%, 92%
HSV	334°, 16%, 100%
XYZ	80.1038, 75.6794, 86.7409
YIQ	228.8980, 18.3830, 13.7670

# Conversions

## Conversions Part 2

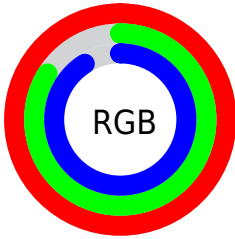
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 215, 232
Decimal	16766952
CIE Lab	89.71, 16.64, -3.14
CIE LCh	90, 16.936, 349.300
Yxy	75.6794, 0.3303, 0.3120
Android (android.graphics.Color)	4294957032 (0xFFFFD7E8)
YUV	228.8980, 1.5293, 22.8915
Hunter-Lab	86.9939, 12.1231, 1.7781

# Details

The YIQ color **228.8980, 18.3830, 13.7670** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **241.1020, -18.3830, -13.7670**, and the grayscale version is **229.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **255.0000, -0.0000, -0.0000**, and **173.1860, 17.5120, 13.0320** is the 20% darker color. If you saturate the color by 10%, you get **211.9260, 30.3480, 22.7000**, and if you desaturate by 10%, it is **245.2830, 6.6930, 5.3570**.

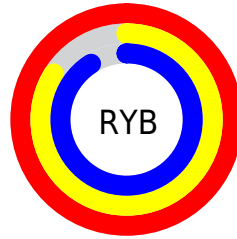
# Distribution



Red (100%)

Green (84%)

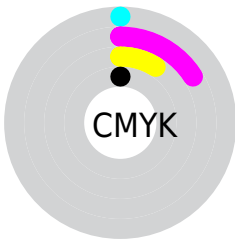
Blue (91%)



Red (100%)

Yellow (84%)

Blue (91%)

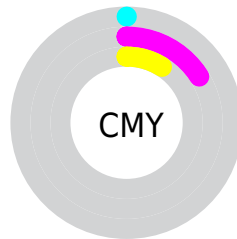


Cyan (0%)

Magenta (16%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 228.8980, 18.3830, 13.7670 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 228.8980, 18.3830, 13.7670 by changing the saturation by 10% instead.



228.8980, 18.3830,  
13.7670

228.8980, 18.3830,  
13.7670

255.0000, -0.0000,  
-0.0000

200.5990, 17.7870,  
13.5550

173.1860, 17.5120,  
13.0320

146.8870, 16.9160,  
12.8200

120.5880, 16.3200,  
12.6080

95.8760, 15.4490,  
11.8730

72.1640, 14.5780,  
11.1380

48.9790, 13.6610,

11.2370

■ 27.2670, 12.7900,  
10.5020

■ 8.8710, 13.8450,  
7.9010

■ 228.8980, 18.3830,  
13.7670

■ 228.8980, 18.3830,  
13.7670

■ 211.9260, 30.3480,  
22.7000

■ 245.2830, 6.6930,  
5.3570

■ 195.6550, 41.7170,  
31.4210

255.0000, -0.0000,  
-0.0000

■ 178.6830, 53.6820,  
40.3540

■ 162.2980, 65.3720,  
48.7640

■ 145.4400, 77.0160,  
58.0080

■ 129.0550, 88.7060,  
66.4180

■ 112.0830,  
100.6710, 75.3510

■ 95.8120, 112.0400,  
84.0720

■ 88.6710, 116.9910,  
87.9590

# Harmonies

## Analogous

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



228.1830, 4.3990, 13.8950



228.8980, 18.3830, 13.7670



227.0740, 23.5190, 8.7910

# Triad

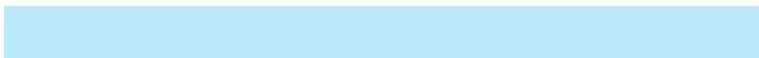
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228.8980, 18.3830, 13.7670



223.9390, 9.9970, -10.4750



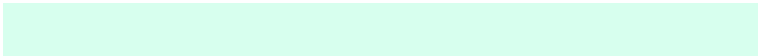
221.0700, -32.5520, -4.7760

# Complementary

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



228.8980, 18.3830, 13.7670



241.1020, -18.3830, -13.7670

# 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.



219.8650, -30.7170, -10.5010



228.8980, 18.3830, 13.7670



221.9310, -4.7200, -13.5840

# Square

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



228.8980, 18.3830, 13.7670



225.3860, 22.1000, -4.0440



220.6180, -19.8960, -13.8800



223.5920, -25.0340, 2.1500

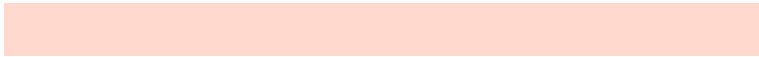


# Rectangle

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



228.8980, 18.3830, 13.7670



226.5210, 26.4540, 5.1580



220.6180, -19.8960, -13.8800



220.6030, -32.7350, -6.9670

# Sweetspot

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



228.8980, 18.3830, 13.7670



246.5710, 5.8220, 4.6220



226.4370, 0.8680, 17.3160



122.7340, 3.8050, 2.6290



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.



228.8980, 18.3830, 13.7670



223.6320, 22.1880, 16.3960



228.7210, 23.0150, 6.9110



119.4570, 6.1430, 4.3110



66.3430, 87.8350, 65.6830



22.2140, 29.4770, 21.9650



# Inverse Universe

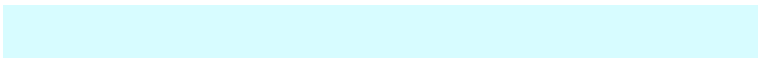
The Inverse Universe completely reimagines the original color for something new.



228.8980, 18.3830, 13.7670



223.6320, 22.1880, 16.3960



241.2790, -23.0150, -6.9110



119.4570, 6.1430, 4.3110



66.3430, 87.8350, 65.6830



22.2140, 29.4770, 21.9650



# Previews

## White Background



This preview shows how the YIQ color 228.8980, 18.3830, 13.7670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

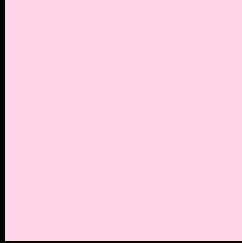
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 228.8980, 18.3830, 13.7670 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 228.8980, 18.3830, 13.7670

## Background



This preview shows how black text looks on a background with the YIQ color 228.8980, 18.3830, 13.7670.



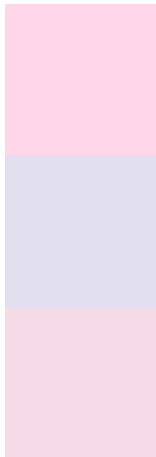
This preview shows how white text looks on a background with the YIQ color 228.8980, 18.3830,

13.7670.

# 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

228.8980, 18.3830, 13.7670

### Protanopia

226.1940, -3.3020, 4.7780

### Deuteranopia

228.1420, 11.6440, 9.2440



## Tritanopia

228.8980, 18.3830, 13.7670

# Trichromacy



## Original Color

228.8980, 18.3830, 13.7670

## Protanomaly

227.4940, 4.7210, 8.0570

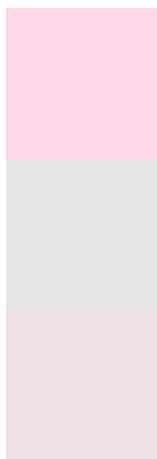
## Deuteranomaly

228.7510, 14.3030, 10.6150

## Tritanomaly

228.8980, 18.3830, 13.7670

# Monochromacy



## Original Color

228.8980, 18.3830, 13.7670

## Achromatopsia

229.0000, -0.0000, -0.0000

## Achromatomaly

228.8700, 6.4180, 4.8340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 228.8980, 18.3830, 13.7670 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(255, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 232)  
}
```

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(255, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 232) }
```

## Border

The CSS property to change the border of an element to YIQ 228.8980, 18.3830, 13.7670 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(255, 215, 232) }
```



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

```
.border{ border-color:rgb(255, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
232) }
```

# Background

The CSS property to change the background color of an element to YIQ 228.8980, 18.3830, 13.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 232) }
```

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

```
.background{ background-color: rgb(255,  
215, 232) }
```

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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