

# Converting Colors

YIQ(226.8030, 8.5250, 16.2130)

Have a look what the booklet for  
YIQ(226.8030, 8.5250, 16.2130)  
contains.

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# Color

**YIQ(226.8030, 8.5250,  
16.2130)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5D6F5
RGB	245, 214, 245
RGB Percent	96%, 84%, 96%
CMY	0.0391, 0.1608, 0.0392
CMYK	0.00, 0.13, 0.00, 0.04
HSL	300°, 61%, 90%
HSV	300°, 13%, 96%
XYZ	78.1896, 74.0961, 96.5691
YIQ	226.8030, 8.5250, 16.2130

# Conversions

## Conversions Part 2

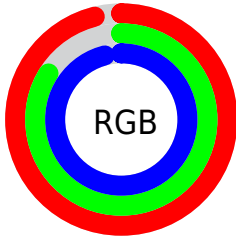
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 214, 245
Decimal	16111349
CIE Lab	88.97, 16.05, -11.18
CIE LCh	89, 19.558, 325.144
Yxy	74.0961, 0.3142, 0.2977
Android (android.graphics.Color)	4294301429 (0xFFFF5D6F5)
YUV	226.8030, 8.9711, 15.9588
Hunter-Lab	86.0791, 11.5014, -6.2601

# Details

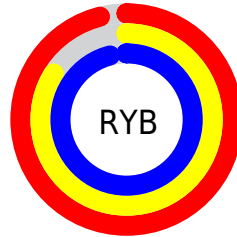
The YIQ color  $226.8030, 8.5250, 16.2130$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $232.1970, -8.5250, -16.2130$ , and the grayscale version is  $227.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $171.3900, 8.2500, 15.6900$  is the 20% darker color. If you saturate the color by 10%, you get  $212.1280, 15.4000, 29.2880$ , and if you desaturate by 10%, it is  $240.8910, 1.9250, 3.6610$ .

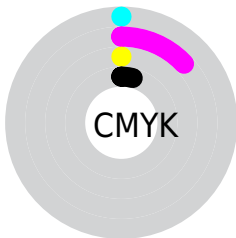
# Distribution



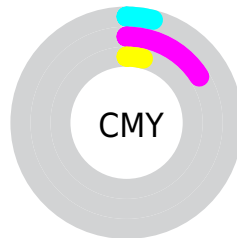
- Red (96%)
- Green (84%)
- Blue (96%)



- Red (96%)
- Yellow (84%)
- Blue (96%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (16%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 226.8030, 8.5250, 16.2130 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 226.8030, 8.5250, 16.2130 by changing the saturation by 10% instead.



226.8030, 8.5250,  
16.2130

226.8030, 8.5250,  
16.2130

255.0000, -0.0000,  
-0.0000

198.5040, 7.9290,  
16.0010

171.3900, 8.2500,  
15.6900

144.6780, 7.3790,  
14.9550

119.1510, 7.4250,  
14.1210

94.1510, 7.4250,  
14.1210

70.4390, 6.5540,  
13.3860

47.9120, 6.6000,

12.5520

■ 26.3140, 5.4080,  
12.1280

■ 7.6620, 4.3080,  
10.0360

■ 226.8030, 8.5250,  
16.2130

■ 226.8030, 8.5250,  
16.2130

■ 212.1280, 15.4000,  
29.2880

■ 240.8910, 1.9250,  
3.6610

■ 198.0400, 22.0000,  
41.8400

■ 250.8700, -2.7500,  
-5.2300

■ 183.3650, 28.8750,  
54.9150

■ 169.2770, 35.4750,  
67.4670

■ 154.6020, 42.3500,  
80.5420

■ 140.5140, 48.9500,  
93.0940

■ 125.8390, 55.8250,  
106.1690

■ 111.7510, 62.4250,  
118.7210

■ 101.1850, 67.3750,  
128.1350

# Harmonies

## Analogous

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



224.8870, -9.4470, 11.5210



226.8030, 8.5250, 16.2130



225.9800, 21.0880, 14.3040

# Triad

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



226.8030, 8.5250, 16.2130



223.1040, 22.8340, -6.3340



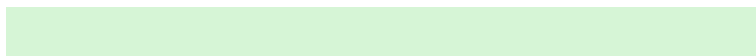
216.6300, -37.3650, -11.1650

# Complementary

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



226.8030, 8.5250, 16.2130



232.1970, -8.5250, -16.2130

# 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.



216.8560, -26.4980, -15.3780



226.8030, 8.5250, 16.2130



220.9880, 8.3010, -12.7790

# Square

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



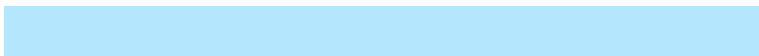
226.8030, 8.5250, 16.2130



224.5660, 30.5810, 1.9490



219.0120, -9.4420, -16.1140



218.2590, -37.4580, -3.9700



# Rectangle

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



226.8030, 8.5250, 16.2130



224.4980, 25.2610, 10.2610



219.0120, -9.4420, -16.1140



216.4300, -33.9260, -12.9180

# Sweetspot

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



226.8030, 8.5250, 16.2130



249.1300, 2.7500, 5.2300



217.5340, -9.9510, 9.6410



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.



226.8030, 8.5250, 16.2130



232.6940, 10.4500, 19.8740



225.0930, 13.3400, 11.5480



114.9560, 3.3000, 6.2760



76.8180, 51.1500, 97.2780



24.3670, 16.2250, 30.8570



# Inverse Universe

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



226.8030, 8.5250, 16.2130



232.6940, 10.4500, 19.8740



234.0210, -13.6610, -11.2370



114.9560, 3.3000, 6.2760



76.8180, 51.1500, 97.2780

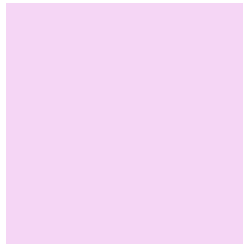


24.3670, 16.2250, 30.8570



# Previews

## White Background



This preview shows how the YIQ color 226.8030, 8.5250, 16.2130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

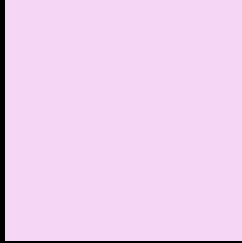
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 226.8030, 8.5250, 16.2130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

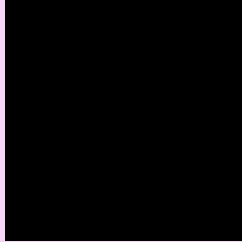
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 226.8030, 8.5250, 16.2130

## Background



This preview shows how black text looks on a background with the YIQ color 226.8030, 8.5250, 16.2130.



This preview shows how white text looks on a background with the YIQ color 226.8030, 8.5250,



# 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

226.8030, 8.5250, 16.2130

### Protanopia

224.5940, -10.1800, 8.2840

### Deuteranopia

225.7590, 2.6570, 12.4250



## Tritanopia

226.0110, 10.6350, 11.0110

# Trichromacy



## Original Color

226.8030, 8.5250, 16.2130

## Protanomaly

225.2960, -3.3490, 11.1390

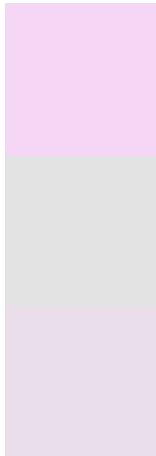
## Deuteranomaly

226.0690, 4.7200, 13.5840

## Tritanomaly

226.1790, 10.2220, 12.9900

# Monochromacy



## Original Color

226.8030, 8.5250, 16.2130

## Achromatopsia

227.0000, -0.0000, -0.0000

## Achromatomaly

226.9560, 3.3000, 6.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 226.8030, 8.5250, 16.2130 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(245, 214, 245)` looks like.

```
.text, #text, p{  
    color:rgb(245, 214, 245)  
}
```

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(245, 214, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 214, 245) }
```

## Border

The CSS property to change the border of an element to YIQ 226.8030, 8.5250, 16.2130 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(245, 214, 245) }
```



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

```
.border{ border-color:rgb(245, 214, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 214, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 214, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 214, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 214,  
245) }
```

# Background

The CSS property to change the background color of an element to YIQ 226.8030, 8.5250, 16.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 214, 245) }
```

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

```
.background{ background-color: rgb(245,  
214, 245) }
```

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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