

# Converting Colors

YIQ(246.3430, 6.4640, 4.0000)

Have a look what the booklet for  
YIQ(246.3430, 6.4640, 4.0000)  
contains.

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# Color

**YIQ(246.3430, 6.4640,  
4.0000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2F6
RGB	255, 242, 246
RGB Percent	100%, 95%, 96%
CMY	0.0000, 0.0510, 0.0353
CMYK	0.00, 0.05, 0.04, 0.00
HSL	341°, 100%, 97%
HSV	342°, 5%, 100%
XYZ	89.6259, 91.4152, 100.1145
YIQ	246.3430, 6.4640, 4.0000

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 242, 246
Decimal	16773878
CIE Lab	96.58, 5.05, -0.38
CIE LCh	97, 5.060, 355.743
Yxy	91.4152, 0.3188, 0.3251
Android (android.graphics.Color)	4294963958 (0xFFFFF2F6)
YUV	246.3430, -0.1691, 7.5922
Hunter-Lab	95.6113, 0.0060, 4.8454

# Details

The YIQ color 246.3430, 6.4640, 4.0000 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 250.6570, -6.4640, -4.0000, and the grayscale version is 246.0000, -0.0000, -0.0000.

A 20% lighter version of the original color is 255.0000, -0.0000, -0.0000, and 190.0440, 5.8680, 3.7880 is the 20% darker color. If you saturate the color by 10%, you get 229.6160, 19.1170, 11.4770, and if you desaturate by 10%, it is 255.0000, -0.0000, -0.0000.

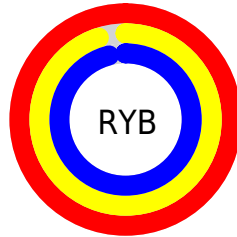
# Distribution



Red (100%)

Green (95%)

Blue (96%)



Red (100%)

Yellow (95%)

Blue (96%)

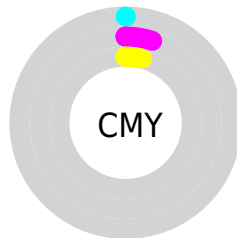


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 246.3430, 6.4640, 4.0000 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 246.3430, 6.4640, 4.0000 by changing the saturation by 10% instead.



 246.3430, 6.4640,  
4.0000


 246.3430, 6.4640,  
4.0000


255.0000, -0.0000,  
-0.0000

 218.0440, 5.8680,  
3.7880

 190.0440, 5.8680,  
3.7880

 163.0440, 5.8680,  
3.7880

 136.6310, 5.5930,  
3.2650

 111.6310, 5.5930,  
3.2650

 86.7450, 5.2720,  
3.5760

 63.4460, 4.6760,

3.3640

■ 42.0330, 4.4010,  
2.8410

■ 21.0330, 4.4010,  
2.8410

■ 246.3430, 6.4640,  
4.0000

■ 246.3430, 6.4640,  
4.0000

■ 229.6160, 19.1170,  
11.4770

255.0000, -0.0000,  
-0.0000

■ 212.4160, 31.7240,  
19.7880

■ 195.6890, 44.3770,  
27.2650

■ 178.3750, 57.3050,  
35.2650

■ 161.7620, 69.6370,  
43.0530

■ 144.4480, 82.5650,  
51.0530

■ 127.8350, 94.8970,  
58.8410

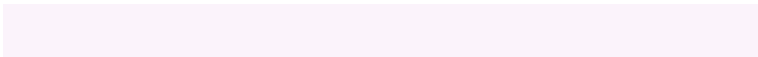
■ 110.5210,  
107.8250, 66.8410

■ 93.7940, 120.4780,  
74.3180

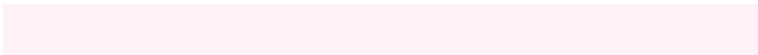
# Harmonies

## Analogous

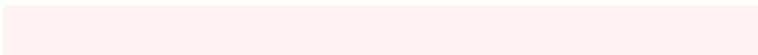
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



246.3040, 2.2000, 4.1840



246.3430, 6.4640, 4.0000



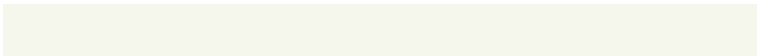
245.7730, 8.0690, 2.4450

# Triad

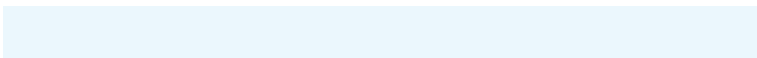
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



246.3430, 6.4640, 4.0000



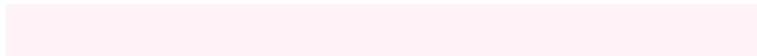
244.5610, 2.6140, -3.3220



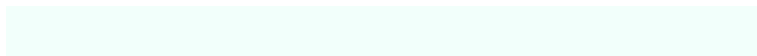
244.0960, -9.0780, -0.6780

# Complementary

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



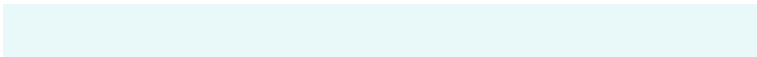
246.3430, 6.4640, 4.0000



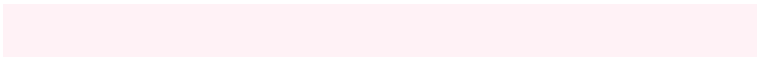
250.6570, -6.4640, -4.0000

# Split Complementary

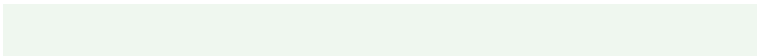
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



243.6290, -9.2610, -2.8690



246.3430, 6.4640, 4.0000



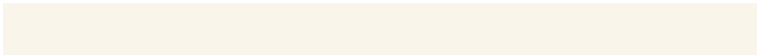
243.6960, -2.2000, -4.1840

# Square

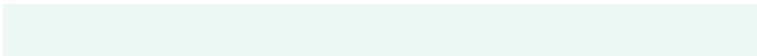
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



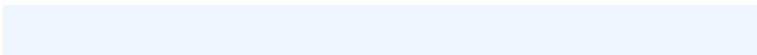
246.3430, 6.4640, 4.0000



245.3550, 6.1900, -2.0500



243.6570, -6.4640, -4.0000



245.2320, -6.4650, 1.5270

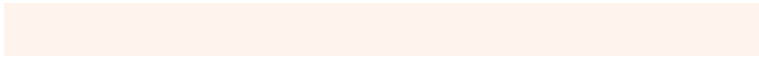


# Rectangle

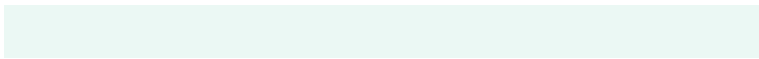
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



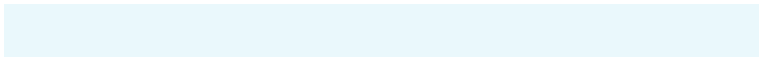
246.3430, 6.4640, 4.0000



246.0180, 8.7570, 0.9890



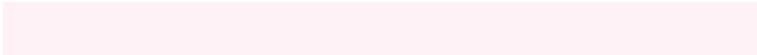
243.6570, -6.4640, -4.0000



244.2700, -9.6280, -1.7240

# Sweetspot

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



246.3430, 6.4640, 4.0000



251.6090, 2.6590, 1.3710



246.1730, 1.1910, 5.9510



126.0110, 1.4670, 0.9470



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

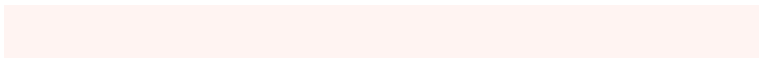
The Same Dimension uses a secret algorithm to generate beautiful new colors.



246.3430, 6.4640, 4.0000



244.9410, 7.6560, 4.4240



247.0610, 7.1980, 1.7100



121.9190, 4.7220, 2.5300



63.8350, 94.8970, 58.8410



21.4160, 31.7240, 19.7880



# Inverse Universe

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



246.3430, 6.4640, 4.0000



244.9410, 7.6560, 4.4240



249.9390, -7.1980, -1.7100



121.9190, 4.7220, 2.5300



63.8350, 94.8970, 58.8410

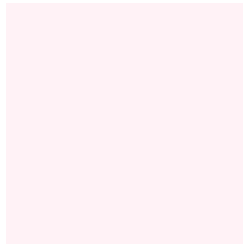


21.4160, 31.7240, 19.7880



# Previews

## White Background



This preview shows how the YIQ color 246.3430, 6.4640, 4.0000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

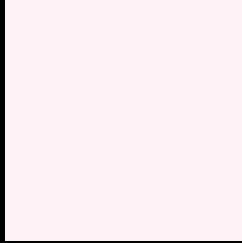
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 246.3430, 6.4640, 4.0000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

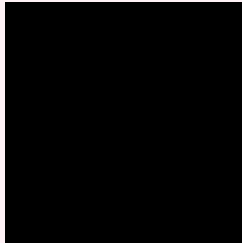
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 246.3430, 6.4640, 4.0000**

## **Background**



This preview shows how black text looks on a background with the YIQ color 246.3430, 6.4640, 4.0000.



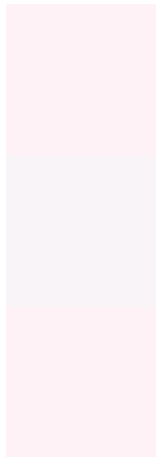
This preview shows how white text looks on a background with the YIQ color 246.3430, 6.4640,

4.0000.

# 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

246.3430, 6.4640, 4.0000

### Protanopia

245.8370, 2.0170, 1.9930

### Deuteranopia

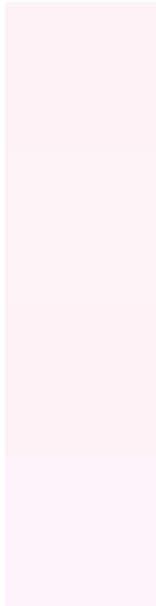
246.3430, 6.4640, 4.0000



## Tritanopia

247.0700, 2.9790, 6.5870

# Trichromacy



## Original Color

246.3430, 6.4640, 4.0000

## Protanomaly

245.8480, 3.4840, 2.9400

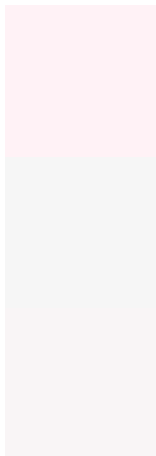
## Deuteranomaly

246.3430, 6.4640, 4.0000

## Tritanomaly

246.7280, 3.9420, 5.6540

# Monochromacy



## Original Color

246.3430, 6.4640, 4.0000

## Achromatopsia

246.0000, -0.0000, -0.0000

## Achromatomaly

246.3100, 2.0630, 1.1590

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 246.3430, 6.4640, 4.0000 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, 242, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 246)  
}
```

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, 242, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 246) }
```

## Border

The CSS property to change the border of an element to YIQ 246.3430, 6.4640, 4.0000 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, 242, 246) }
```



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

```
.border{ border-color:rgb(255, 242, 246) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
246) }
```

# Background

The CSS property to change the background color of an element to YIQ 246.3430, 6.4640, 4.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 246) }
```

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

```
.background{ background-color: rgb(255,  
242, 246) }
```

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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