

# Converting Colors

YIQ(245.5700, -1.6050, 1.5550)

Have a look what the booklet for  
YIQ(245.5700, -1.6050, 1.5550)  
contains.

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# Color

**YIQ(245.5700, -1.6050,  
1.5550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F5FA
RGB	245, 245, 250
RGB Percent	96%, 96%, 98%
CMY	0.0392, 0.0392, 0.0196
CMYK	0.02, 0.02, 0.00, 0.02
HSL	240°, 33%, 97%
HSV	240°, 2%, 98%
XYZ	87.5638, 91.6194, 103.5095
YIQ	245.5700, -1.6050, 1.5550

# Conversions

## Conversions Part 2

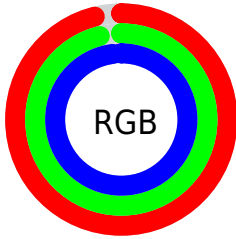
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 245, 250
Decimal	16119290
CIE Lab	96.66, 0.89, -2.41
CIE LCh	97, 2.566, 290.409
Yxy	91.6194, 0.3097, 0.3241
Android (android.graphics.Color)	4294309370 (0xFFFF5F5FA)
YUV	245.5700, 2.1840, -0.4999
Hunter-Lab	95.7180, -4.2130, 2.8864

# Details

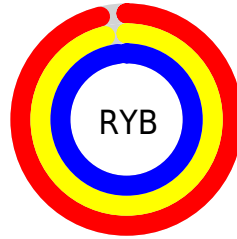
The YIQ color  $245.5700, -1.6050, 1.5550$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $249.4300, 1.6050, -1.5550$ , and the grayscale version is  $246.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $189.5700, -1.6050, 1.5550$  is the 20% darker color. If you saturate the color by 10%, you get  $223.4200, -9.6300, 9.3300$ , and if you desaturate by 10%, it is  $254.4300, 1.6050, -1.5550$ .

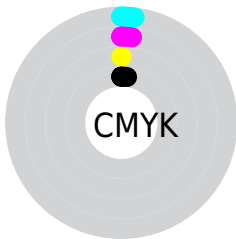
# Distribution



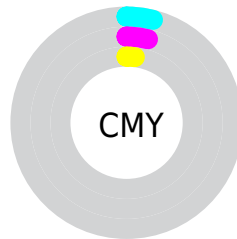
- Red (96%)
- Green (96%)
- Blue (98%)



- Red (96%)
- Yellow (96%)
- Blue (98%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (4%)
- Magenta (4%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 245.5700, -1.6050, 1.5550 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 245.5700, -1.6050, 1.5550 by changing the saturation by 10% instead.



245.5700, -1.6050,  
1.5550

245.5700, -1.6050,  
1.5550

255.0000, -0.0000,  
-0.0000

217.4560, -1.2840,  
1.2440

189.5700, -1.6050,  
1.5550

162.4560, -1.2840,  
1.2440

136.4560, -1.2840,  
1.2440

110.5700, -1.6050,  
1.5550

86.4560, -1.2840,  
1.2440

63.4560, -1.2840,

1.2440

■ 41.4560, -1.2840,  
1.2440

■ 20.7550, -0.6880,  
1.4560

■ 245.5700, -1.6050,  
1.5550

■ 245.5700, -1.6050,  
1.5550

■ 223.4200, -9.6300,  
9.3300

■ 254.4300, 1.6050,  
-1.5550

■ 201.2700,  
-17.6550, 17.1050

■ 179.1200,  
-25.6800, 24.8800

■ 156.9700,  
-33.7050, 32.6550

■ 134.8200,  
-41.7300, 40.4300

■ 112.6700,  
-49.7550, 48.2050

■ 90.5200, -57.7800,  
55.9800

■ 68.3700, -65.8050,  
63.7550

■ 46.2200, -73.8300,  
71.5300

# Harmonies

## Analogous

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



245.2600, -3.6680, 0.3960



245.5700, -1.6050, 1.5550



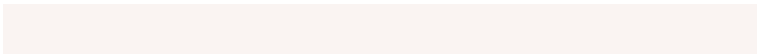
245.7660, 0.7790, 2.4030

# Triad

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



245.5700, -1.6050, 1.5550



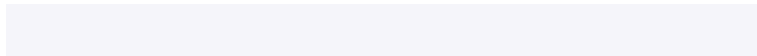
245.5660, 4.2180, 0.6500



244.8640, -2.6130, -2.2050

# Complementary

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



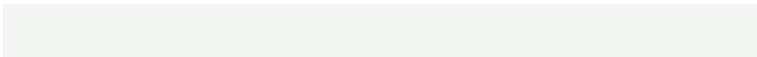
245.5700, -1.6050, 1.5550



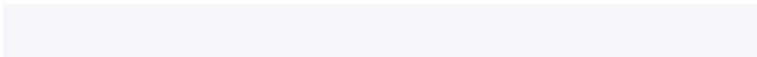
249.4300, 1.6050, -1.5550

# 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.



244.6470, -0.5040, -1.8800



245.5700, -1.6050, 1.5550



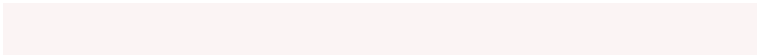
245.4410, 3.0720, -0.6080

# Square

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



245.5700, -1.6050, 1.5550



246.0930, 4.1720, 1.4840



245.4300, 1.6050, -1.5550

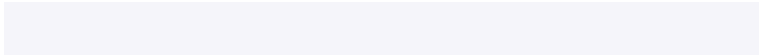


244.9070, -4.1720, -1.4840

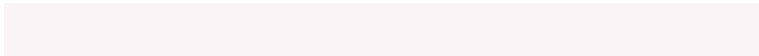


# Rectangle

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



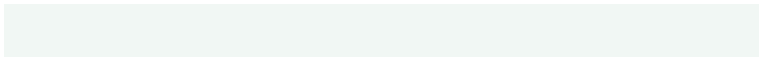
245.5700, -1.6050, 1.5550



246.1360, 2.6130, 2.2050



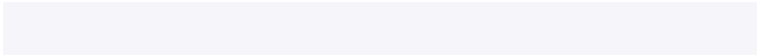
245.4300, 1.6050, -1.5550



244.8640, -2.6130, -2.2050

# Sweetspot

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



245.5700, -1.6050, 1.5550



252.3420, -0.9630, 0.9330



248.5050, -2.9800, -1.0600



126.2280, -0.6420, 0.6220



0.0000, 0.0000, 0.0000

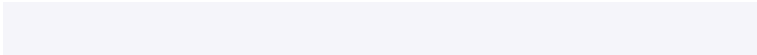


128.0000, -0.0000, -0.0000



# Same Dimension

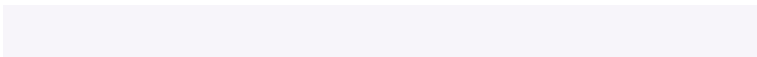
The Same Dimension uses a secret algorithm to generate beautiful new colors.



245.5700, -1.6050, 1.5550



250.5700, -1.6050, 1.5550



246.1680, -0.4130, 1.9790



122.3420, -0.9630, 0.9330



21.5460, -60.6690, 58.7790

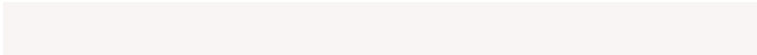


6.9540, -19.5810, 18.9710



# Inverse Universe

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



246.4950, 2.9800, 1.0600



251.4950, 2.9800, 1.0600



248.8320, 0.4130, -1.9790



122.8970, 1.7880, 0.6360



56.5110, 112.6440, 40.0680

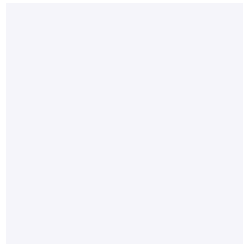


18.2390, 36.3560, 12.9320



# Previews

## White Background



This preview shows how the YIQ color 245.5700, -1.6050, 1.5550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

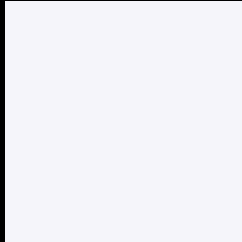
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 245.5700, -1.6050, 1.5550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

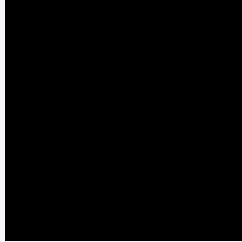
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

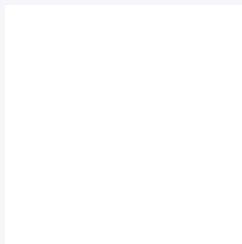
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 245.5700, -1.6050, 1.5550

## Background



This preview shows how black text looks on a background with the YIQ color 245.5700, -1.6050, 1.5550.



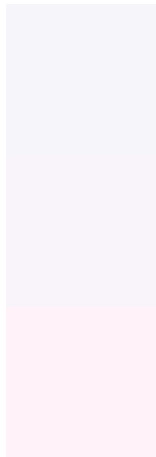
This preview shows how white text looks on a background with the YIQ color 245.5700, -1.6050, 1.5550.

1.5550.

# 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

245.5700, -1.6050, 1.5550

### Protanopia

245.7660, 0.7790, 2.4030

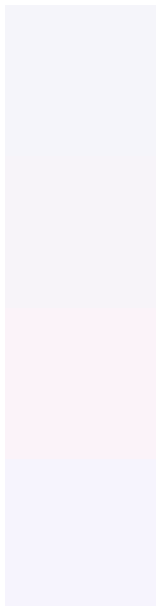
### Deuteranopia

246.5710, 5.8220, 4.6220

## **Tritanopia**

245.8520, -2.3390, 3.8450

# Trichromacy



## Original Color

245.5700, -1.6050, 1.5550

## Protanomaly

245.4670, 0.1830, 2.1910

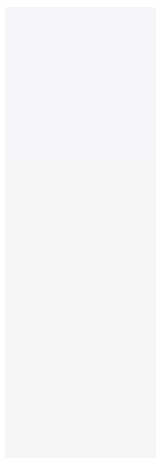
## Deuteranomaly

246.0760, 2.8420, 3.5620

## Tritanomaly

245.6240, -1.6970, 3.2230

# Monochromacy



## Original Color

245.5700, -1.6050, 1.5550

## Achromatopsia

246.0000, -0.0000, -0.0000

## Achromatomaly

246.1140, -0.3210, 0.3110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 245.5700, -1.6050, 1.5550 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, 245, 250)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 250)  
}
```

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, 245, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 250) }
```

## Border

The CSS property to change the border of an element to YIQ 245.5700, -1.6050, 1.5550 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, 245, 250) }
```



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

```
.border{ border-color:rgb(245, 245, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 250);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
250) }
```

# Background

The CSS property to change the background color of an element to YIQ 245.5700, -1.6050, 1.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 250) }
```

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

```
.background{ background-color: rgb(245,  
245, 250) }
```

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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