

# Converting Colors

YIQ(245.9460, 0.0920, -1.6680)

Have a look what the booklet for  
YIQ(245.9460, 0.0920, -1.6680)  
contains.

<b>YIQ(245.9460, 0.0920, -1.6680)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**YIQ(245.9460, 0.0920,  
-1.6680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F7F3
RGB	245, 247, 243
RGB Percent	96%, 97%, 95%
CMY	0.0392, 0.0313, 0.0470
CMYK	0.01, 0.00, 0.02, 0.03
HSL	90°, 20%, 96%
HSV	90°, 2%, 97%
XYZ	87.0944, 92.4053, 98.0404
YIQ	245.9460, 0.0920, -1.6680

# Conversions

## Conversions Part 2

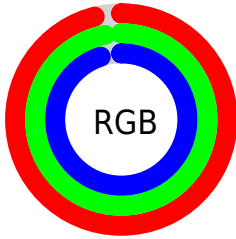
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 247, 245
Decimal	16119795
CIE Lab	96.99, -1.36, 1.68
CIE LCh	97, 2.158, 129.086
Yxy	92.4053, 0.3138, 0.3329
Android (android.graphics.Color)	4294309875 (0xFFFF5F7F3)
YUV	245.9460, -1.4524, -0.8296
Hunter-Lab	96.1277, -6.4974, 6.8197

# Details

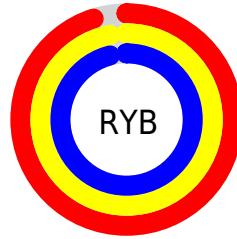
The YIQ color  $245.9460, 0.0920, -1.6680$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $244.0540, -0.0920, 1.6680$ , and the grayscale version is  $246.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $189.9460, 0.0920, -1.6680$  is the 20% darker color. If you saturate the color by 10%, you get  $239.5080, 0.9650, -11.9870$ , and if you desaturate by 10%, it is  $250.3040, 2.2000, 4.1840$ .

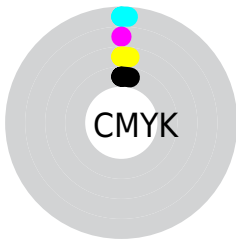
# Distribution



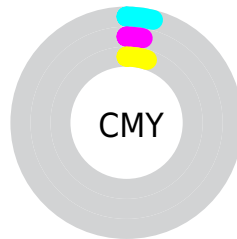
- Red (96%)
- Green (97%)
- Blue (95%)



- Red (95%)
- Yellow (97%)
- Blue (96%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)



- Cyan (4%)
- Magenta (3%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 245.9460, 0.0920, -1.6680 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 245.9460, 0.0920, -1.6680 by changing the saturation by 10% instead.



 245.9460, 0.0920,  
-1.6680

 245.9460, 0.0920,  
-1.6680

255.0000, -0.0000,  
-0.0000


 217.9460, 0.0920,  
-1.6680

 189.9460, 0.0920,  
-1.6680

 162.9460, 0.0920,  
-1.6680

 136.3590, 0.3670,  
-1.1450

 111.0600, -0.2290,  
-1.3570

 86.9460, 0.0920,  
-1.6680

 63.3590, 0.3670,

-1.1450

■ 41.3590, 0.3670,  
-1.1450

■ 21.0600, -0.2290,  
-1.3570

■ 245.9460, 0.0920,  
-1.6680

■ 245.9460, 0.0920,  
-1.6680

■ 239.5080, 0.9650,  
-11.9870

■ 250.3040, 2.2000,  
4.1840

■ 232.8850, 0.9210,  
-22.2070

■ 226.4470, 1.7940,  
-32.5260

■ 219.7100, 2.0710,  
-43.0570

■ 213.2720, 2.9440,  
-53.3760

■ 206.9480, 3.4960,  
-63.3840

■ 200.2110, 3.7730,  
-73.9150

■ 193.7730, 4.6460,  
-84.2340

■ 187.4490, 5.1980,  
-94.2420

# Harmonies

## Analogous

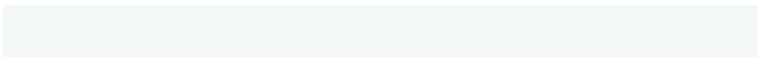
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



245.8430, 1.8800, -1.0320



245.9460, 0.0920, -1.6680



245.5760, -1.7420, -1.4700

# Triad

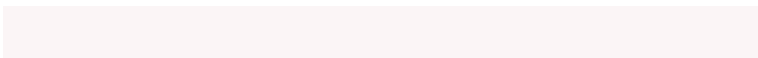
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



245.9460, 0.0920, -1.6680



246.1460, -3.3470, 0.0850



246.9080, 3.2550, 1.5830

# Complementary

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



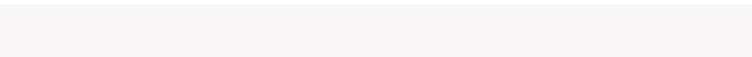
245.9460, 0.0920, -1.6680



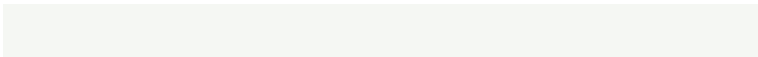
244.0540, -0.0920, 1.6680

# 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.



246.8370, 2.0170, 1.9930



245.9460, 0.0920, -1.6680



246.1570, -1.8800, 1.0320

# Square

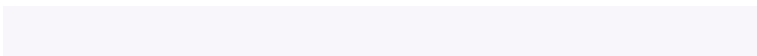
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



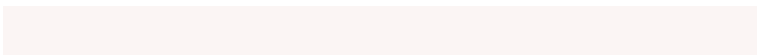
245.9460, 0.0920, -1.6680



245.7330, -3.6220, -0.4380



247.0540, -0.0920, 1.6680

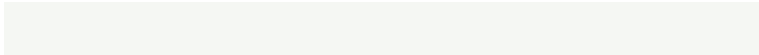


246.6800, 3.8970, 0.9610

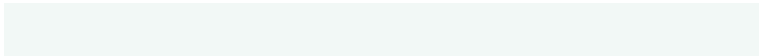


# Rectangle

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



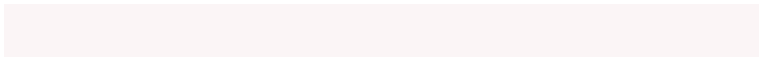
245.9460, 0.0920, -1.6680



245.9780, -2.9340, -1.8940



247.0540, -0.0920, 1.6680



246.9080, 3.2550, 1.5830

# Sweetspot

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



245.9460, 0.0920, -1.6680

255.0000, -0.0000, -0.0000



245.3700, 1.8340, -0.1980



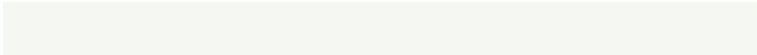
128.0000, -0.0000, -0.0000



0.0000, 0.0000, 0.0000

# Same Dimension

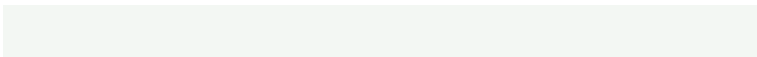
The Same Dimension uses a secret algorithm to generate beautiful new colors.



245.9460, 0.0920, -1.6680



253.5330, -0.1830, -2.1910



245.3480, -1.1000, -2.0920



121.4730, 0.0460, -0.8340



136.9890, 4.2780, -77.5620



43.3040, 1.0590, -24.7090



# Inverse Universe

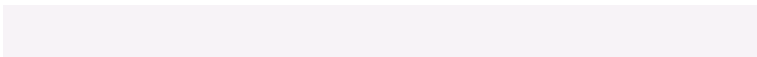
The Inverse Universe completely reimagines the original color for something new.



244.0540, -0.0920, 1.6680



251.1680, -0.4130, 1.9790



244.6520, 1.1000, 2.0920



120.5270, -0.0460, 0.8340



49.0110, -4.2780, 77.5620

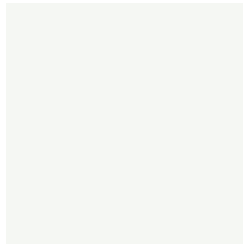


15.3970, -1.6550, 24.4970



# Previews

## White Background



This preview shows how the YIQ color 245.9460, 0.0920, -1.6680 looks on a white background.

## Color Contrast Check

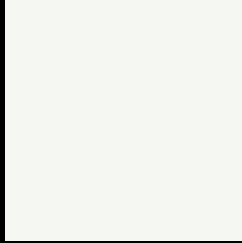
Large Text (above 18pt) WCAG AA × Fail

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 245.9460, 0.0920, -1.6680 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](#).

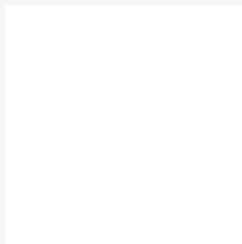


**YIQ 245.9460, 0.0920, -1.6680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 245.9460, 0.0920, -1.6680.



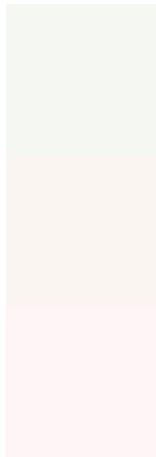
This preview shows how white text looks on a background with the YIQ color 245.9460, 0.0920,

-1.680.

# 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

245.9460, 0.0920, -1.6680

### Protanopia

246.4520, 4.5390, 0.3390

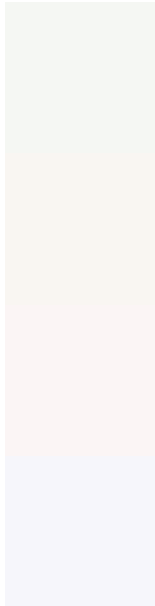
### Deuteranopia

247.5170, 5.9140, 2.9540

## **Tritanopia**

246.7380, -2.0180, 3.5340

# Trichromacy



## Original Color

245.9460, 0.0920, -1.6680

## Protanomaly

246.4410, 3.0720, -0.6080

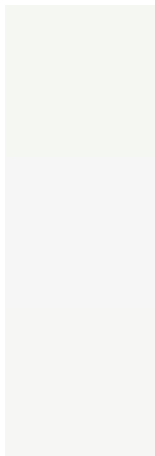
## Deuteranomaly

246.7940, 3.5760, 1.2720

## Tritanomaly

246.5700, -1.6050, 1.5550

# Monochromacy



## Original Color

245.9460, 0.0920, -1.6680

## Achromatopsia

246.0000, -0.0000, -0.0000

## Achromatomaly

245.8860, 0.3210, -0.3110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 245.9460, 0.0920, -1.6680 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, 247, 243)` looks like.

```
.text, #text, p{  
    color:rgb(245, 247, 243)  
}
```

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, 247, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 247, 243) }
```

## Border

The CSS property to change the border of an element to YIQ 245.9460, 0.0920, -1.6680 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, 247, 243) }
```

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

```
.border{ border-color:rgb(245, 247, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 247, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 247, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 247, 243);  
box-shadow:4px 4px 4px 4px rgb(245, 247,  
243) }
```



# Background

The CSS property to change the background color of an element to YIQ 245.9460, 0.0920, -1.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 247, 243) }
```

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

```
.background{ background-color: rgb(245,  
247, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor