

# Converting Colors

YIQ(246.5670, 2.4770, -6.3470)

Have a look what the booklet for  
YIQ(246.5670, 2.4770, -6.3470)  
contains.

<b>YIQ(246.5670, 2.4770, -6.3470)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(246.5670, 2.4770,  
-6.3470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FAE9
RGB	245, 250, 233
RGB Percent	96%, 98%, 91%
CMY	0.0392, 0.0196, 0.0862
CMYK	0.02, 0.00, 0.07, 0.02
HSL	78°, 63%, 95%
HSV	78°, 7%, 98%
XYZ	86.5493, 93.6675, 90.6132
YIQ	246.5670, 2.4770, -6.3470

# Conversions

## Conversions Part 2

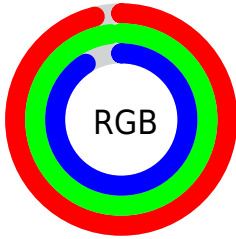
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 250, 238
Decimal	16120553
CIE Lab	97.50, -4.58, 7.56
CIE LCh	97, 8.844, 121.215
Yxy	93.6675, 0.3196, 0.3459
Android (android.graphics.Color)	4294310633 (0xFF5FAE9)
YUV	246.5670, -6.6885, -1.3743
Hunter-Lab	96.7820, -9.7411, 12.2364

# Details

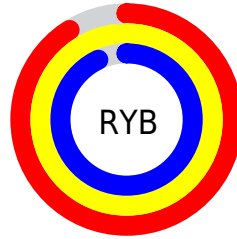
The YIQ color  $246.5670, 2.4770, -6.3470$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $236.4330, -2.4770, 6.3470$ , and the grayscale version is  $247.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $190.5670, 2.4770, -6.3470$  is the 20% darker color. If you saturate the color by 10%, you get  $241.6240, 6.3300, -15.6060$ , and if you desaturate by 10%, it is  $251.1680, -0.4130, 1.9790$ .

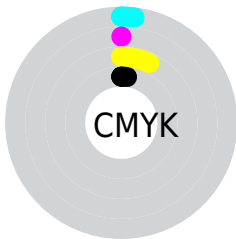
# Distribution



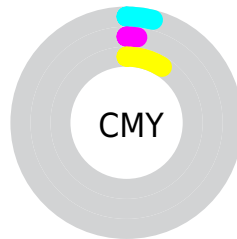
- Red (96%)
- Green (98%)
- Blue (91%)



- Red (91%)
- Yellow (98%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)



- Cyan (4%)
- Magenta (2%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 246.5670, 2.4770, -6.3470 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 246.5670, 2.4770, -6.3470 by changing the saturation by 10% instead.



 246.5670, 2.4770,  
-6.3470


 246.5670, 2.4770,  
-6.3470


255.0000, -0.0000,  
-0.0000


 217.9800, 2.7520,  
-5.8240

 190.5670, 2.4770,  
-6.3470

 163.0940, 2.4310,  
-5.5130

 136.7950, 1.8350,  
-5.7250

 111.7950, 1.8350,  
-5.7250

 87.2080, 2.1100,  
-5.2020

 63.9090, 1.5140,

-5.4140

■ 42.3220, 1.7890,  
-4.8910

■ 21.3930, 3.0270,  
-5.3010

■ 246.5670, 2.4770,  
-6.3470

■ 246.5670, 2.4770,  
-6.3470

■ 241.6240, 6.3300,  
-15.6060

■ 251.1680, -0.4130,  
1.9790

■ 236.3820, 9.5870,  
-25.0770

■ 252.0650, 1.3750,  
2.6150

■ 231.4390, 13.4400,  
-34.3360

■ 226.4960, 17.2930,  
-43.5950

■ 221.2540, 20.5500,  
-53.0660

■ 216.3110, 24.4030,  
-62.3250

■ 211.0690, 27.6600,  
-71.7960

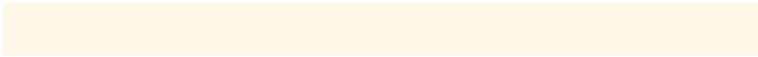
■ 206.1260, 31.5130,  
-81.0550

■ 201.1830, 35.3660,  
-90.3140

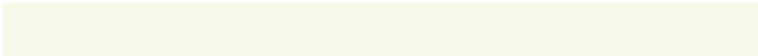
# Harmonies

## Analogous

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



247.5680, 9.9040, -3.2800



246.5670, 2.4770, -6.3470



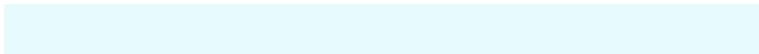
245.4350, -5.9590, -7.6470

# Triad

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



246.5670, 2.4770, -6.3470



245.4760, -13.2040, -2.9960



246.5710, 5.8220, 4.6220

# Complementary

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



246.5670, 2.4770, -6.3470



236.4330, -2.4770, 6.3470

# Split Complementary

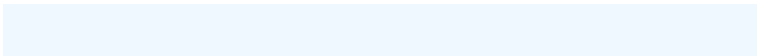
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



247.9560, 3.3000, 6.2760



246.5670, 2.4770, -6.3470



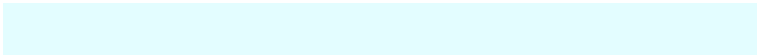
246.4060, -7.0150, 0.4810

# Square

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



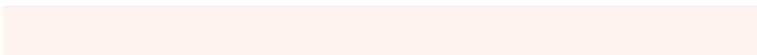
246.5670, 2.4770, -6.3470



245.4540, -16.1380, -4.8900



248.2220, -0.5050, 3.6470



246.1320, 8.4360, 1.3000



# Rectangle

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



246.5670, 2.4770, -6.3470



245.5100, -10.5440, -7.1520



248.2220, -0.5050, 3.6470



246.9130, 4.8590, 5.5550

# Sweetspot

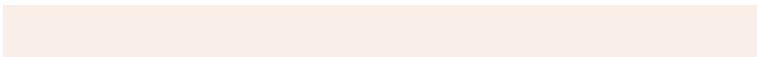
The Sweet Spot groups the original color and five complimentary colors.



246.5670, 2.4770, -6.3470



253.8320, 0.4130, -1.9790



241.0180, 8.7570, 0.9890



127.3590, 0.3670, -1.1450



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.



246.5670, 2.4770, -6.3470



250.9260, 2.8440, -7.4920



244.1750, -2.2910, -8.0430



122.3220, 1.7890, -4.8910



150.7100, 27.2930, -70.6510



48.6640, 8.8530, -22.7870



# Inverse Universe

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



236.4330, -2.4770, 6.3470



239.0740, -2.8440, 7.4920



238.8250, 2.2910, 8.0430



114.6780, -1.7890, 4.8910



38.2900, -27.2930, 70.6510

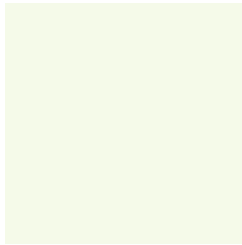


12.3360, -8.8530, 22.7870



# Previews

## White Background



This preview shows how the YIQ color 246.5670, 2.4770, -6.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

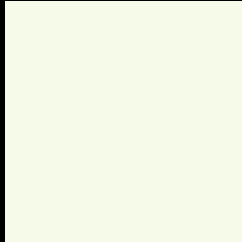
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 246.5670, 2.4770, -6.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

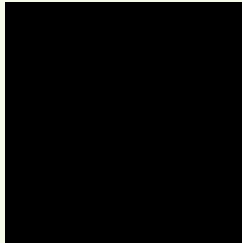
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

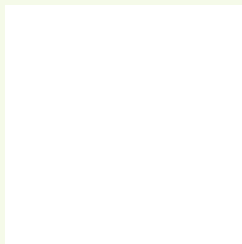
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 246.5670, 2.4770, -6.3470**

## **Background**



This preview shows how black text looks on a background with the YIQ color 246.5670, 2.4770, -6.3470.



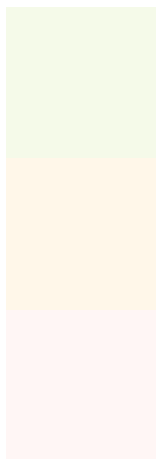
This preview shows how white text looks on a background with the YIQ color 246.5670, 2.4770, -6.3470.

-6.3470.

# 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

246.5670, 2.4770, -6.3470

### Protanopia

247.7960, 9.2620, -2.6580

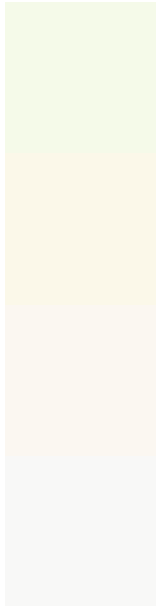
### Deuteranopia

248.5770, 5.6850, 1.5970

## **Tritanopia**

248.5100, -1.3760, 2.9120

# Trichromacy



## Original Color

246.5670, 2.4770, -6.3470

## Protanomaly

247.1870, 6.6030, -4.0290

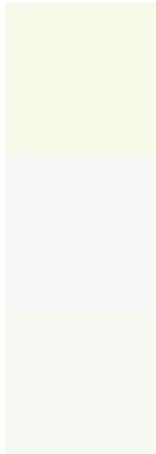
## Deuteranomaly

247.5120, 4.3100, -1.0180

## Tritanomaly

247.8860, 0.3210, -0.3110

# Monochromacy



## Original Color

246.5670, 2.4770, -6.3470

## Achromatopsia

247.0000, -0.0000, -0.0000

## Achromatomaly

246.7180, 0.7340, -2.2900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 246.5670, 2.4770, -6.3470 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, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(245, 250, 233)  
}
```

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, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 250, 233) }
```

## Border

The CSS property to change the border of an element to YIQ 246.5670, 2.4770, -6.3470 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, 250, 233) }
```



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

```
.border{ border-color:rgb(245, 250, 233) }
```

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

Here you see how a box with a 4 pixel rgb(245, 250, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(245, 250,  
233) }
```

# Background

The CSS property to change the background color of an element to YIQ 246.5670, 2.4770, -6.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 250, 233) }
```

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

```
.background{ background-color: rgb(245,  
250, 233) }
```

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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