

# Converting Colors

YIQ(242.4360, 1.4680, -4.5800)

Have a look what the booklet for  
YIQ(242.4360, 1.4680, -4.5800)  
contains.

<b>YIQ(242.4360, 1.4680, -4.5800)</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(242.4360, 1.4680,  
-4.5800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F5E9
RGB	241, 245, 233
RGB Percent	95%, 96%, 91%
CMY	0.0549, 0.0392, 0.0863
CMYK	0.02, 0.00, 0.05, 0.04
HSL	80°, 37%, 94%
HSV	80°, 5%, 96%
XYZ	83.6356, 89.8892, 90.0360
YIQ	242.4360, 1.4680, -4.5800

# Conversions

## Conversions Part 2

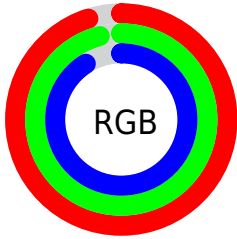
Format	Color
R <sub>Y</sub> B	233, 245, 237
Decimal	15857129
CIE Lab	95.95, -3.42, 5.30
CIE LCh	96, 6.302, 122.817
Yxy	89.8892, 0.3173, 0.3411
Android (android.graphics.Color)	4294047209 (0xFFFF1F5E9)
YUV	242.4360, -4.6519, -1.2594
Hunter-Lab	94.8099, -8.4555, 10.0624

# Details

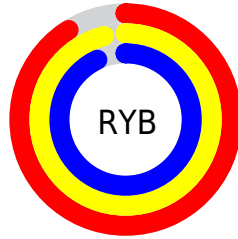
The YIQ color  $242.4360, 1.4680, -4.5800$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $235.5640, -1.4680, 4.5800$ , and the grayscale version is  $242.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $186.4360, 1.4680, -4.5800$  is the 20% darker color. If you saturate the color by 10%, you get  $237.3080, 4.4040, -13.7400$ , and if you desaturate by 10%, it is  $247.3360, -0.8260, 3.9580$ .

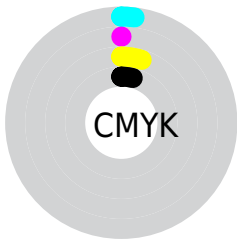
# Distribution



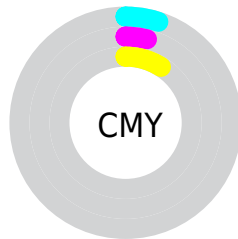
- Red (95%)
- Green (96%)
- Blue (91%)



- Red (91%)
- Yellow (96%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 242.4360, 1.4680, -4.5800 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 242.4360, 1.4680, -4.5800 by changing the saturation by 10% instead.



■ 242.4360, 1.4680,  
-4.5800

■ 242.4360, 1.4680,  
-4.5800

255.0000, -0.0000,  
-0.0000

■ 214.4360, 1.4680,  
-4.5800

■ 186.4360, 1.4680,  
-4.5800

■ 159.5500, 1.1470,  
-4.2690

■ 133.5500, 1.1470,  
-4.2690

■ 107.9630, 1.4220,  
-3.7460

■ 83.9630, 1.4220,  
-3.7460

■ 60.6640, 0.8260,

-3.9580

■ 39.0770, 1.1010,  
-3.4350

■ 17.8490, 1.7430,  
-4.0570

■ 242.4360, 1.4680,  
-4.5800

■ 242.4360, 1.4680,  
-4.5800

■ 237.3080, 4.4040,  
-13.7400

■ 247.3360, -0.8260,  
3.9580

■ 232.0660, 7.6610,  
-23.2110

■ 249.1300, 2.7500,  
5.2300

■ 226.6390, 10.0010,  
-32.5830

■ 221.3970, 13.2580,  
-42.0540

■ 216.2690, 16.1940,  
-51.2140

■ 211.0270, 19.4510,  
-60.6850

■ 205.8990, 22.3870,  
-69.8450

■ 200.6570, 25.6440,  
-79.3160

■ 195.1160, 28.3050,  
-88.9990

# Harmonies

## Analogous

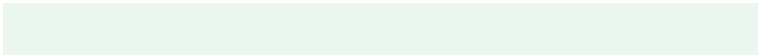
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



243.1270, 6.8320, -2.6720



242.4360, 1.4680, -4.5800



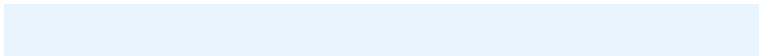
241.5000, -4.5840, -5.0320

# Triad

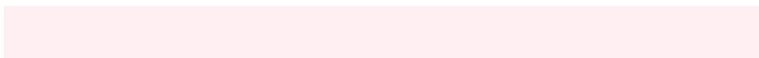
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



242.4360, 1.4680, -4.5800



242.1390, -10.6370, 0.0430



244.2400, 8.2520, 4.6360

# Complementary

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



242.4360, 1.4680, -4.5800



235.5640, -1.4680, 4.5800

# Split Complementary

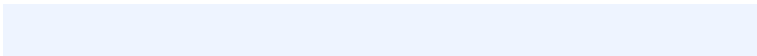
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



244.6140, 4.2630, 5.3430



242.4360, 1.4680, -4.5800



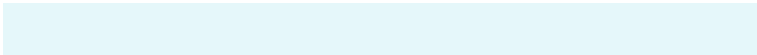
243.4600, -7.1070, 2.1490

# Square

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



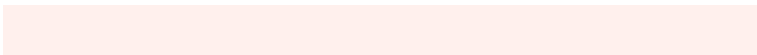
242.4360, 1.4680, -4.5800



241.9600, -11.6910, -2.8830



244.2650, -2.0640, 4.3680



244.1430, 9.9030, 2.2470

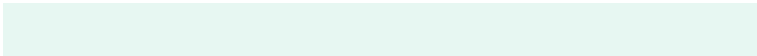


# Rectangle

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



242.4360, 1.4680, -4.5800



241.6460, -7.9310, -4.9470



244.2650, -2.0640, 4.3680



244.4680, 7.6100, 5.2580

# Sweetspot

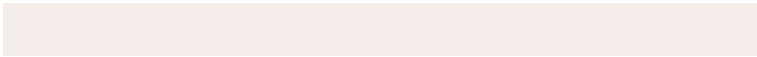
The Sweet Spot groups the original color and five complimentary colors.



242.4360, 1.4680, -4.5800



254.3590, 0.3670, -1.1450



238.9360, 6.0520, 0.4520



127.4730, 0.0460, -0.8340



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

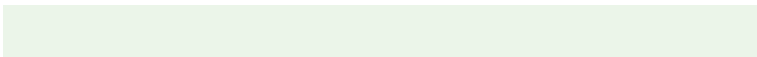
The Same Dimension uses a secret algorithm to generate beautiful new colors.



242.4360, 1.4680, -4.5800



251.7950, 1.8350, -5.7250



240.6420, -2.1080, -5.8520



120.4900, 1.3760, -2.9120



146.2580, 22.7540, -70.9900



46.2940, 7.0190, -22.5890



# Inverse Universe

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



235.5640, -1.4680, 4.5800



243.2050, -1.8350, 5.7250



237.3580, 2.1080, 5.8520



115.8090, -0.7800, 3.1240



39.7420, -22.7540, 70.9900

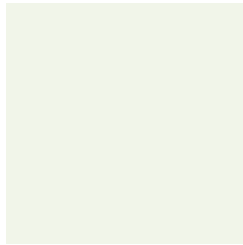


12.7060, -7.0190, 22.5890



# Previews

## White Background



This preview shows how the YIQ color 242.4360, 1.4680, -4.5800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

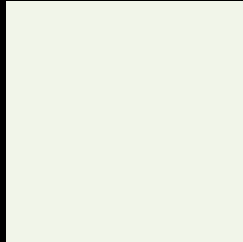
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 242.4360, 1.4680, -4.5800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

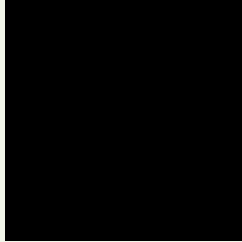
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

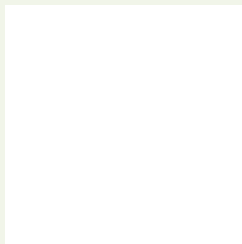
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 242.4360, 1.4680, -4.5800**

## **Background**



This preview shows how black text looks on a background with the YIQ color 242.4360, 1.4680, -4.5800.



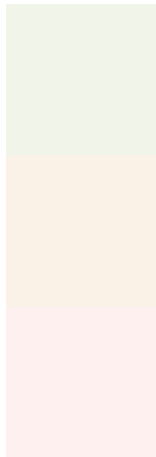
This preview shows how white text looks on a background with the YIQ color 242.4360, 1.4680, -4.5800.

-4.5800.

# 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

242.4360, 1.4680, -4.5800

### Protanopia

243.1380, 8.2990, -1.7250

### Deuteranopia

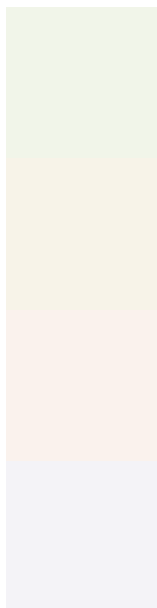
244.4850, 8.9400, 3.1800



## Tritanopia

244.3790, -2.3850, 4.6790

# Trichromacy



## Original Color

242.4360, 1.4680, -4.5800

## Protanomaly

242.9420, 5.9150, -2.5730

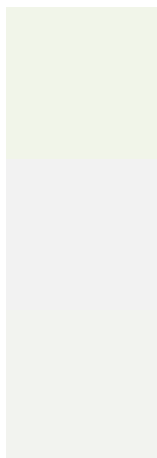
## Deuteranomaly

243.8220, 6.3730, 0.1410

## Tritanomaly

243.7550, -0.6880, 1.4560

# Monochromacy



## Original Color

242.4360, 1.4680, -4.5800

## Achromatopsia

242.0000, -0.0000, 0.0000

## Achromatomaly

242.2450, 0.6880, -1.4560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 242.4360, 1.4680, -4.5800 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(241, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(241, 245, 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(241, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 245, 233) }
```

## Border

The CSS property to change the border of an element to YIQ 242.4360, 1.4680, -4.5800 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(241, 245, 233) }
```



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

```
.border{ border-color:rgb(241, 245, 233) }
```

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

Here you see how a box with a 4 pixel rgb(241, 245, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(241, 245,  
233) }
```

# Background

The CSS property to change the background color of an element to YIQ 242.4360, 1.4680, -4.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 245, 233) }
```

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

```
.background{ background-color: rgb(241,  
245, 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](#).

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