

# Converting Colors

YIQ(243.8320, 0.4130, -1.9790)

Have a look what the booklet for  
YIQ(243.8320, 0.4130, -1.9790)  
contains.

<b>YIQ(243.8320, 0.4130, -1.9790)</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(243.8320, 0.4130,  
-1.9790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3F5F0
RGB	243, 245, 240
RGB Percent	95%, 96%, 94%
CMY	0.0471, 0.0392, 0.0588
CMYK	0.01, 0.00, 0.02, 0.04
HSL	84°, 20%, 95%
HSV	84°, 2%, 96%
XYZ	85.3425, 90.6510, 95.4385
YIQ	243.8320, 0.4130, -1.9790

# Conversions

## Conversions Part 2

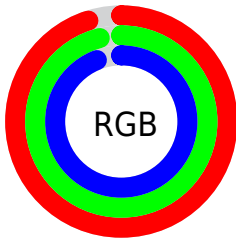
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 245, 242
Decimal	15988208
CIE <sub>Lab</sub>	96.27, -1.54, 2.16
CIE <sub>LCh</sub>	96, 2.650, 125.462
Yxy	90.6510, 0.3144, 0.3340
Android (android.graphics.Color)	4294178288 (0xFFFF3F5F0)
YUV	243.8320, -1.8892, -0.7297
Hunter-Lab	95.2108, -6.6199, 7.2158

# Details

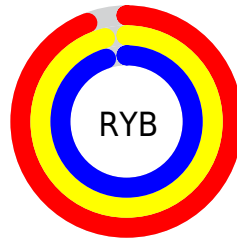
The YIQ color  $243.8320, 0.4130, -1.9790$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $241.1680, -0.4130, 1.9790$ , and the grayscale version is  $244.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $187.8320, 0.4130, -1.9790$  is the 20% darker color. If you saturate the color by 10%, you get  $238.1060, 2.1570, -11.5630$ , and if you desaturate by 10%, it is  $248.5320, 1.5580, 4.8060$ .

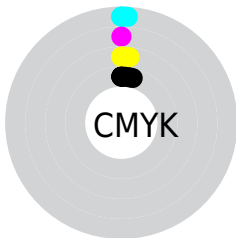
# Distribution



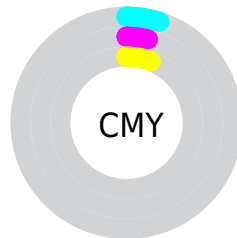
- Red (95%)
- Green (96%)
- Blue (94%)



- Red (94%)
- Yellow (96%)
- Blue (95%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 243.8320, 0.4130, -1.9790 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 243.8320, 0.4130, -1.9790 by changing the saturation by 10% instead.



243.8320, 0.4130,  
-1.9790

243.8320, 0.4130,  
-1.9790

255.0000, -0.0000,  
-0.0000

215.8320, 0.4130,  
-1.9790

187.8320, 0.4130,  
-1.9790

160.8320, 0.4130,  
-1.9790

134.8320, 0.4130,  
-1.9790

109.2450, 0.6880,  
-1.4560

84.9460, 0.0920,  
-1.6680

61.9460, 0.0920,

-1.6680

■ 39.9460, 0.0920,  
-1.6680

■ 19.2450, 0.6880,  
-1.4560

■ 243.8320, 0.4130,  
-1.9790

■ 243.8320, 0.4130,  
-1.9790

■ 238.1060, 2.1570,  
-11.5630

■ 248.5320, 1.5580,  
4.8060

■ 232.2660, 4.2220,  
-21.4580

■ 249.1300, 2.7500,  
5.2300

■ 226.8390, 6.5620,  
-30.8300

■ 220.9990, 8.6270,  
-40.7250

■ 215.1590, 10.6920,  
-50.6200

■ 209.4330, 12.4360,  
-60.2040

■ 203.5930, 14.5010,  
-70.0990

■ 197.8670, 16.2450,  
-79.6830

■ 192.3260, 18.9060,  
-89.3660

# Harmonies

## Analogous

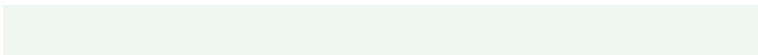
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



244.0280, 2.7970, -1.1310



243.8320, 0.4130, -1.9790



243.7500, -2.2920, -2.5160

# Triad

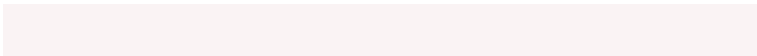
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



243.8320, 0.4130, -1.9790



243.9610, -4.2640, 0.1840



245.2070, 3.8510, 1.7950

# Complementary

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



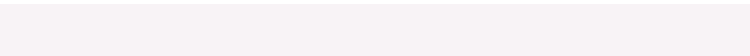
243.8320, 0.4130, -1.9790



241.1680, -0.4130, 1.9790

# Split Complementary

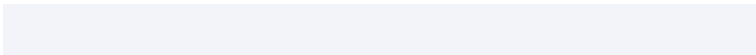
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



244.8370, 2.0170, 1.9930



243.8320, 0.4130, -1.9790



243.9720, -2.7970, 1.1310

# Square

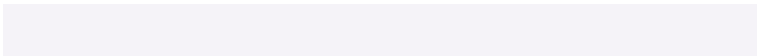
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



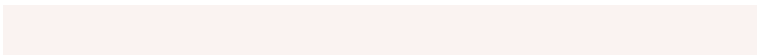
243.8320, 0.4130, -1.9790



243.7220, -5.0890, -1.3850



244.1680, -0.4130, 1.9790



244.8650, 4.8140, 0.8620



# Rectangle

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



243.8320, 0.4130, -1.9790



243.6790, -3.5300, -2.1060



244.1680, -0.4130, 1.9790



245.0220, 2.9340, 1.8940

# Sweetspot

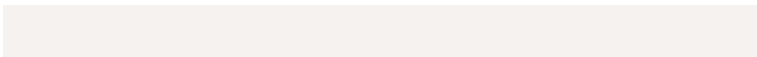
The Sweet Spot groups the original color and five complimentary colors.



243.8320, 0.4130, -1.9790



254.3590, 0.3670, -1.1450



242.6690, 2.4300, 0.0140



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.



243.8320, 0.4130, -1.9790



253.8320, 0.4130, -1.9790



243.2340, -0.7790, -2.4030



121.4730, 0.0460, -0.8340



142.3710, 15.0060, -73.7460



45.0980, 4.6350, -23.4370



# Inverse Universe

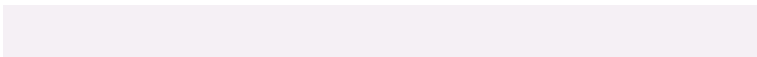
The Inverse Universe completely reimagines the original color for something new.



241.1680, -0.4130, 1.9790



251.1680, -0.4130, 1.9790



242.0650, 1.3750, 2.6150



120.5270, -0.0460, 0.8340



43.6290, -15.0060, 73.7460

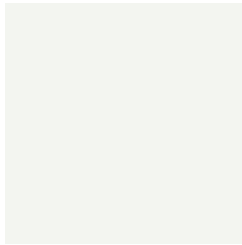


13.9020, -4.6350, 23.4370



# Previews

## White Background



This preview shows how the YIQ color 243.8320, 0.4130, -1.9790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

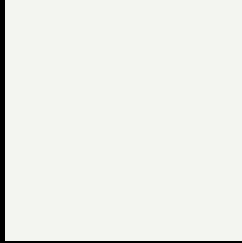
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 243.8320, 0.4130, -1.9790 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

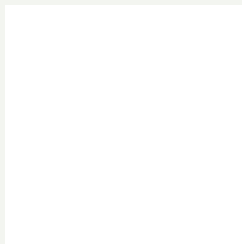
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 243.8320, 0.4130, -1.9790**

## **Background**



This preview shows how black text looks on a background with the YIQ color 243.8320, 0.4130, -1.9790.



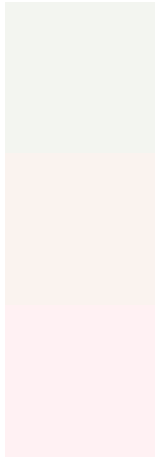
This preview shows how white text looks on a background with the YIQ color 243.8320, 0.4130,

-1.990.

# 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

243.8320, 0.4130, -1.9790

### Protanopia

244.6370, 5.4560, 0.2400

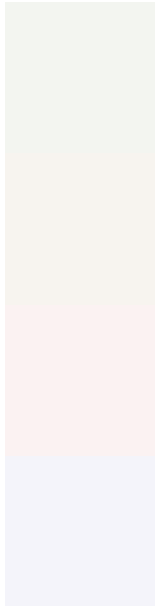
### Deuteranopia

245.4140, 7.7020, 3.5900

## **Tritanopia**

244.9660, -2.6600, 4.1560

# Trichromacy



## Original Color

243.8320, 0.4130, -1.9790

## Protanomaly

244.3270, 3.3930, -0.9190

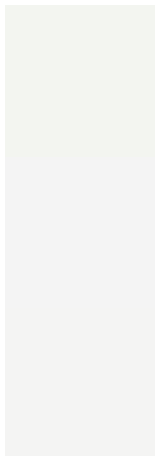
## Deuteranomaly

244.6910, 5.3640, 1.9080

## Tritanomaly

244.6840, -1.9260, 1.8660

# Monochromacy



## Original Color

243.8320, 0.4130, -1.9790

## Achromatopsia

244.0000, 0.0000, -0.0000

## Achromatomaly

243.8860, 0.3210, -0.3110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 243.8320, 0.4130, -1.9790 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(243, 245, 240)` looks like.

```
.text, #text, p{  
    color:rgb(243, 245, 240)  
}
```

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(243, 245, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 245, 240) }
```

## Border

The CSS property to change the border of an element to YIQ 243.8320, 0.4130, -1.9790 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(243, 245, 240) }
```



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

```
.border{ border-color:rgb(243, 245, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 245, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 245, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 245, 240);  
box-shadow:4px 4px 4px 4px rgb(243, 245,  
240) }
```

# Background

The CSS property to change the background color of an element to YIQ 243.8320, 0.4130, -1.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 245, 240) }
```

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

```
.background{ background-color: rgb(243,  
245, 240) }
```

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