

# Converting Colors

YIQ(240.4790, -0.0910, -3.8590)

Have a look what the booklet for  
YIQ(240.4790, -0.0910, -3.8590)  
contains.

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# Color

**YIQ(240.4790, -0.0910,  
-3.8590)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EEF3EA
RGB	238, 243, 234
RGB Percent	93%, 95%, 92%
CMY	0.0667, 0.0470, 0.0823
CMYK	0.02, 0.00, 0.04, 0.05
HSL	93°, 27%, 94%
HSV	93°, 4%, 95%
XYZ	82.1611, 88.2194, 90.5409
YIQ	240.4790, -0.0910, -3.8590

# Conversions

## Conversions Part 2

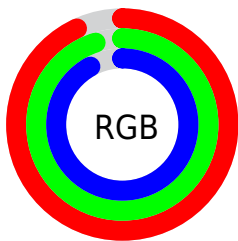
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 243, 239
Decimal	15660010
CIE Lab	95.25, -3.24, 3.74
CIE LCh	95, 4.952, 130.886
Yxy	88.2194, 0.3149, 0.3381
Android (android.graphics.Color)	4293850090 (0xFFEEF3EA)
YUV	240.4790, -3.1941, -2.1741
Hunter-Lab	93.9252, -8.2261, 8.5940

# Details

The YIQ color  $240.4790, -0.0910, -3.8590$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $236.5210, 0.0910, 3.8590$ , and the grayscale version is  $241.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $184.4790, -0.0910, -3.8590$  is the 20% darker color. If you saturate the color by 10%, you get  $233.5570, -0.7310, -14.2910$ , and if you desaturate by 10%, it is  $247.0590, 1.5120, 5.6400$ .

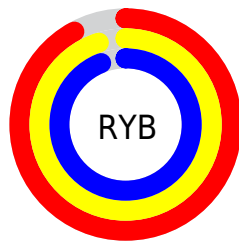
# Distribution



Red (93%)

Green (95%)

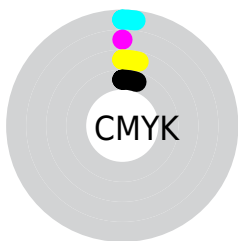
Blue (92%)



Red (92%)

Yellow (95%)

Blue (94%)

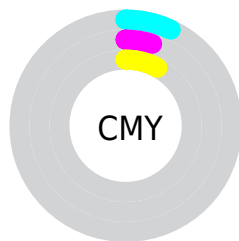


Cyan (2%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (7%)

Magenta (5%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 240.4790, -0.0910, -3.8590 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 240.4790, -0.0910, -3.8590 by changing the saturation by 10% instead.



240.4790, -0.0910,  
-3.8590

240.4790, -0.0910,  
-3.8590

255.0000, -0.0000,  
-0.0000

212.4790, -0.0910,  
-3.8590

184.4790, -0.0910,  
-3.8590

157.5930, -0.4120,  
-3.5480

131.5930, -0.4120,  
-3.5480

106.5930, -0.4120,  
-3.5480

82.0060, -0.1370,  
-3.0250

59.0060, -0.1370,

-3.0250

■ 37.4190, 0.1380,  
-2.5020

■ 16.4790, -0.0910,  
-3.8590

■ 240.4790, -0.0910,  
-3.8590

■ 240.4790, -0.0910,  
-3.8590

■ 233.5570, -0.7310,  
-14.2910

■ 247.0590, 1.5120,  
5.6400

■ 226.8200, -0.4540,  
-24.8220

■ 247.9560, 3.3000,  
6.2760

■ 219.8980, -1.0940,  
-35.2540

■ 213.2750, -1.1380,  
-45.4740

■ 206.2390, -1.4570,  
-56.2170

■ 199.6160, -1.5010,  
-66.4370

■ 192.6940, -2.1410,  
-76.8690

■ 186.0710, -2.1850,  
-87.0890

■ 179.0350, -2.5040,  
-97.8320

# Harmonies

## Analogous

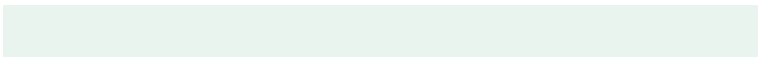
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



241.4580, 4.4020, -2.6860



240.4790, -0.0910, -3.8590



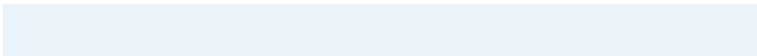
240.0270, -4.6300, -4.1980

# Triad

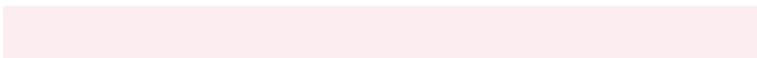
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



240.4790, -0.0910, -3.8590



241.1070, -7.6110, 0.2690



242.4140, 7.7020, 3.5900

# Complementary

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



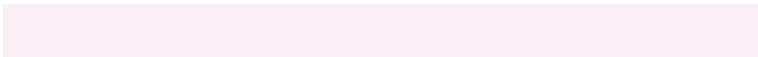
240.4790, -0.0910, -3.8590



236.5210, 0.0910, 3.8590

# 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.



242.6740, 4.0340, 3.9860



240.4790, -0.0910, -3.8590



241.5420, -4.4020, 2.6860

# Square

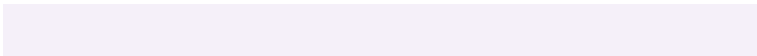
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



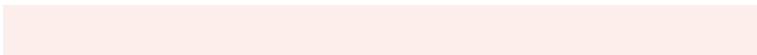
240.4790, -0.0910, -3.8590



240.1560, -9.3070, -2.0350



242.5210, 0.0910, 3.8590



242.4310, 9.0320, 1.5120

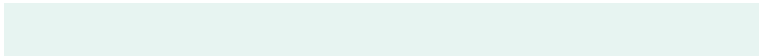


# Rectangle

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



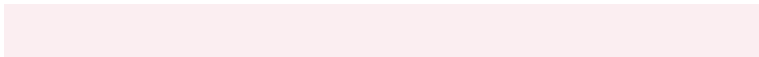
240.4790, -0.0910, -3.8590



239.7710, -6.7850, -3.6890



242.5210, 0.0910, 3.8590



242.2290, 6.7850, 3.6890

# Sweetspot

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



240.4790, -0.0910, -3.8590



254.3590, 0.3670, -1.1450



239.6260, 3.9890, -0.7070



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.



240.4790, -0.0910, -3.8590



252.0660, -0.3660, -4.3820



239.2830, -2.4750, -4.7070



120.4190, 0.1380, -2.5020



133.9990, -1.6820, -79.6820



42.4070, -0.7290, -25.3450



# Inverse Universe

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



236.5210, 0.0910, 3.8590



247.6350, -0.2300, 4.1700



237.7170, 2.4750, 4.7070



117.8800, 0.4580, 2.7140



52.3000, 2.2780, 79.8940

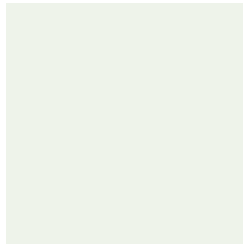


16.5930, 0.7290, 25.3450



# Previews

## White Background



This preview shows how the YIQ color 240.4790, -0.0910, -3.8590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

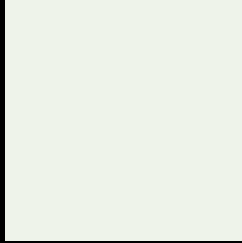
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 240.4790, -0.0910, -3.8590 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

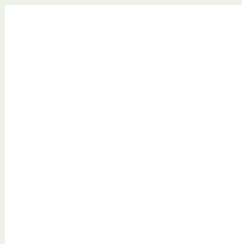
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 240.4790, -0.0910, -3.8590**

## **Background**



This preview shows how black text looks on a background with the YIQ color 240.4790, -0.0910, -3.8590.



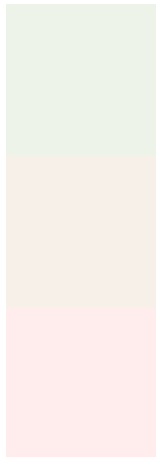
This preview shows how white text looks on a background with the YIQ color 240.4790, -0.0910,

-3.8590.

# 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

240.4790, -0.0910, -3.8590

### Protanopia

241.1810, 6.7400, -1.0040

### Deuteranopia

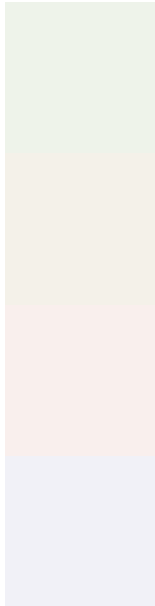
242.4960, 10.4070, 4.1270



## Tritanopia

242.3080, -3.6230, 5.0890

# Trichromacy



## Original Color

240.4790, -0.0910, -3.8590

## Protanomaly

240.9850, 4.3560, -1.8520

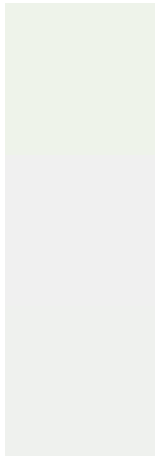
## Deuteranomaly

241.7620, 6.6020, 1.4980

## Tritanomaly

241.6840, -1.9260, 1.8660

# Monochromacy



## Original Color

240.4790, -0.0910, -3.8590

## Achromatopsia

240.0000, -0.0000, -0.0000

## Achromatomaly

240.0600, -0.2290, -1.3570

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 240.4790, -0.0910, -3.8590 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(238, 243, 234)` looks like.

```
.text, #text, p{  
    color:rgb(238, 243, 234)  
}
```

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(238, 243, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 243, 234) }
```

## Border

The CSS property to change the border of an element to YIQ 240.4790, -0.0910, -3.8590 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(238, 243, 234) }
```



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

```
.border{ border-color:rgb(238, 243, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 243, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 243, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 243, 234);  
box-shadow:4px 4px 4px 4px rgb(238, 243,  
234) }
```

# Background

The CSS property to change the background color of an element to YIQ 240.4790, -0.0910, -3.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 243, 234) }
```

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

```
.background{ background-color: rgb(238,  
243, 234) }
```

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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