

# Converting Colors

YIQ(230.5930, -0.4120, -3.5480)

Have a look what the booklet for  
YIQ(230.5930, -0.4120, -3.5480)  
contains.

<b>YIQ(230.5930, -0.4120, -3.5480)</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(230.5930, -0.4120,  
-3.5480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E9E1
RGB	228, 233, 225
RGB Percent	89%, 91%, 88%
CMY	0.1059, 0.0862, 0.1176
CMYK	0.02, 0.00, 0.03, 0.09
HSL	98°, 15%, 90%
HSV	98°, 3%, 91%
XYZ	74.7238, 80.2086, 82.7784
YIQ	230.5930, -0.4120, -3.5480

# Conversions

## Conversions Part 2

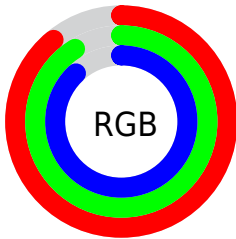
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 233, 230
Decimal	15002081
CIE Lab	91.78, -3.09, 3.29
CIE LCh	92, 4.514, 133.234
Yxy	80.2086, 0.3143, 0.3374
Android (android.graphics.Color)	4293192161 (0xFFE4E9E1)
YUV	230.5930, -2.7573, -2.2741
Hunter-Lab	89.5592, -7.7971, 7.8905

# Details

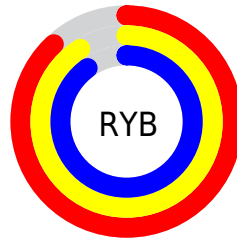
The YIQ color  $230.5930, -0.4120, -3.5480$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $227.4070, 0.4120, 3.5480$ , and the grayscale version is  $231.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $175.0060, -0.1370, -3.0250$  is the 20% darker color. If you saturate the color by 10%, you get  $223.4860, -1.9690, -13.8810$ , and if you desaturate by 10%, it is  $237.7000, 1.1450, 6.7850$ .

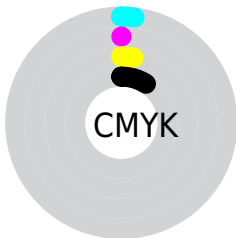
# Distribution



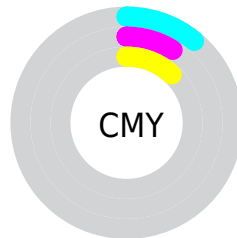
- Red (89%)
- Green (91%)
- Blue (88%)



- Red (88%)
- Yellow (91%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 230.5930, -0.4120, -3.5480 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 230.5930, -0.4120, -3.5480 by changing the saturation by 10% instead.



■ 230.5930, -0.4120,  
-3.5480

■ 230.5930, -0.4120,  
-3.5480

255.0000, -0.0000,  
-0.0000

■ 202.5930, -0.4120,  
-3.5480

■ 175.0060, -0.1370,  
-3.0250

■ 148.5930, -0.4120,  
-3.5480

■ 122.7070, -0.7330,  
-3.2370

■ 98.0060, -0.1370,  
-3.0250

■ 74.1200, -0.4580,  
-2.7140

■ 51.1200, -0.4580,

-2.7140

■ 30.4190, 0.1380,  
-2.5020

■ 5.8810, -1.2830,  
-4.2830

■ 230.5930, -0.4120,  
-3.5480

■ 230.5930, -0.4120,  
-3.5480

■ 223.4860, -1.9690,  
-13.8810

■ 237.7000, 1.1450,  
6.7850

■ 216.5640, -2.6090,  
-24.3130

■ 242.0860, 6.0500,  
11.5060

■ 209.4570, -4.1660,  
-34.6460

■ 202.6490, -5.1270,  
-44.7670

■ 195.4280, -6.3630,  
-55.4110

■ 188.3210, -7.9200,  
-65.7440

■ 181.5130, -8.8810,  
-75.8650

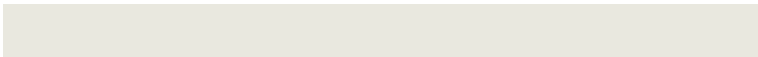
■ 174.4060,  
-10.4380, -86.1980

■ 167.4840,  
-11.0780, -96.6300

# Harmonies

## Analogous

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



231.2730, 3.4850, -2.5870



230.5930, -0.4120, -3.5480



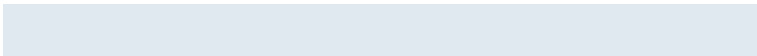
230.4400, -4.3550, -3.6750

# Triad

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



230.5930, -0.4120, -3.5480



231.4060, -7.0150, 0.4810



232.7020, 6.8310, 2.8550

# Complementary

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



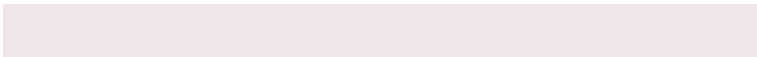
230.5930, -0.4120, -3.5480



227.4070, 0.4120, 3.5480

# 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.



232.5600, 4.3550, 3.6750



230.5930, -0.4120, -3.5480



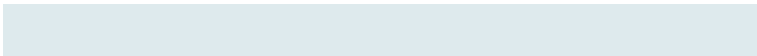
231.4280, -4.0810, 2.3750

# Square

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



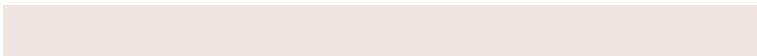
230.5930, -0.4120, -3.5480



230.7540, -8.1150, -1.6110



232.4070, 0.4120, 3.5480



232.2460, 8.1150, 1.6110

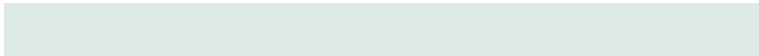


# Rectangle

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



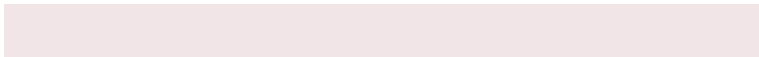
230.5930, -0.4120, -3.5480



230.1840, -6.5100, -3.1660



232.4070, 0.4120, 3.5480



232.8160, 6.5100, 3.1660

# Sweetspot

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



230.5930, -0.4120, -3.5480



254.0600, -0.2290, -1.3570



230.3270, 3.3930, -0.9190



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.



230.5930, -0.4120, -3.5480



252.0660, -0.3660, -4.3820



229.8100, -2.5210, -3.8730



115.4190, 0.1380, -2.5020



126.5790, -9.2470, -80.2470



37.6780, -2.9300, -24.0020



# Inverse Universe

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



227.4070, 0.4120, 3.5480



247.9340, 0.3660, 4.3820



228.1900, 2.5210, 3.8730



112.8800, 0.4580, 2.7140



54.4210, 9.2470, 80.2470

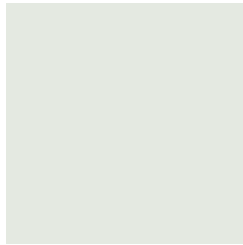


16.3220, 2.9300, 24.0020



# Previews

## White Background



This preview shows how the YIQ color 230.5930, -0.4120, -3.5480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

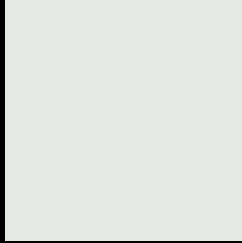
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 230.5930, -0.4120, -3.5480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

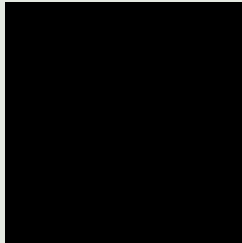
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

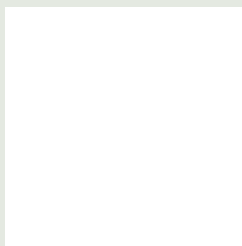
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 230.5930, -0.4120, -3.5480**

## **Background**



This preview shows how black text looks on a background with the YIQ color 230.5930, -0.4120, -3.5480.



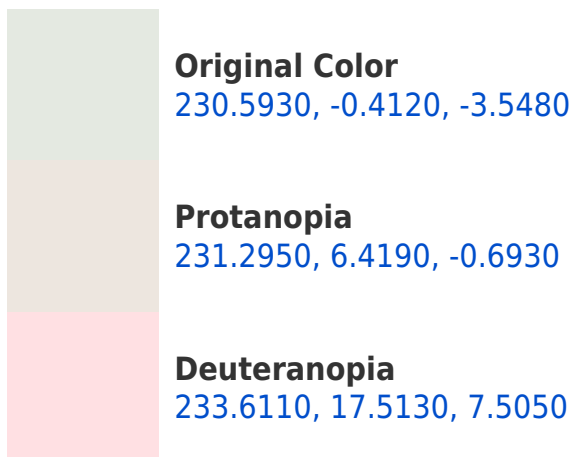
This preview shows how white text looks on a background with the YIQ color 230.5930, -0.4120, -3.5480.

-3.5480.

# 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

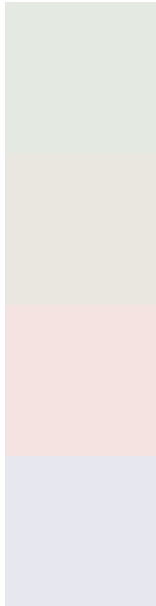




## Tritanopia

232.6500, -4.5860, 6.0220

# Trichromacy



## Original Color

230.5930, -0.4120, -3.5480

## Protanomaly

231.0990, 4.0350, -1.5410

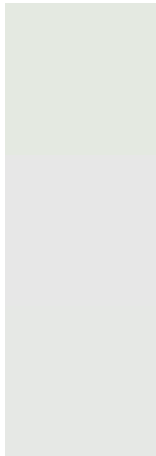
## Deuteranomaly

232.2680, 11.0490, 3.5050

## Tritanomaly

232.0260, -2.8890, 2.7990

# Monochromacy



## Original Color

230.5930, -0.4120, -3.5480

## Achromatopsia

231.0000, -0.0000, -0.0000

## Achromatomaly

231.0600, -0.2290, -1.3570

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 230.5930, -0.4120, -3.5480 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(228, 233, 225)` looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 225)  
}
```

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(228, 233, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 225) }
```

## Border

The CSS property to change the border of an element to YIQ 230.5930, -0.4120, -3.5480 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(228, 233, 225) }
```



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

```
.border{ border-color:rgb(228, 233, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 233, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 225);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
225) }
```

# Background

The CSS property to change the background color of an element to YIQ 230.5930, -0.4120, -3.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 233, 225) }
```

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

```
.background{ background-color: rgb(228,  
233, 225) }
```

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