

# Converting Colors

YIQ(233.1470, 4.0800, 3.1520)

Have a look what the booklet for  
YIQ(233.1470, 4.0800, 3.1520)  
contains.

<b>YIQ(233.1470, 4.0800, 3.1520)</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(233.1470, 4.0800,  
3.1520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFE6EA
RGB	239, 230, 234
RGB Percent	94%, 90%, 92%
CMY	0.0627, 0.0980, 0.0823
CMYK	0.00, 0.04, 0.02, 0.06
HSL	333°, 22%, 92%
HSV	333°, 4%, 94%
XYZ	78.7462, 80.8840, 89.3062
YIQ	233.1470, 4.0800, 3.1520

# Conversions

## Conversions Part 2

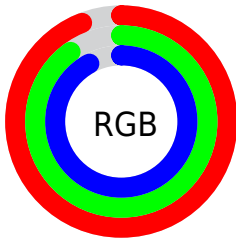
Format	Color
R <sub>Y</sub> B	239, 230, 234
Decimal	15722218
CIE Lab	92.08, 3.74, -0.87
CIE LCh	92, 3.843, 346.938
Yxy	80.8840, 0.3163, 0.3249
Android (android.graphics.Color)	4293912298 (0xFFEFE6EA)
YUV	233.1470, 0.4205, 5.1331
Hunter-Lab	89.9355, -1.0953, 4.0798

# Details

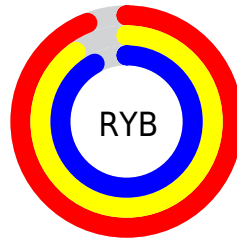
The YIQ color  $233.1470, 4.0800, 3.1520$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $235.8530, -4.0800, -3.1520$ , and the grayscale version is  $233.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $177.7340, 3.8050, 2.6290$  is the 20% darker color. If you saturate the color by 10%, you get  $217.5770, 14.8530, 11.6610$ , and if you desaturate by 10%, it is  $248.7170, -6.6930, -5.3570$ .

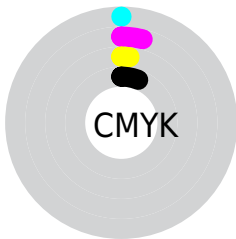
# Distribution



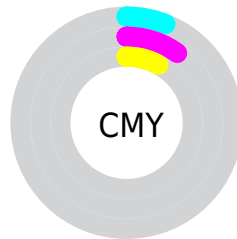
- Red (94%)
- Green (90%)
- Blue (92%)



- Red (94%)
- Yellow (90%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (10%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 233.1470, 4.0800, 3.1520 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 233.1470, 4.0800, 3.1520 by changing the saturation by 10% instead.



233.1470, 4.0800,  
3.1520

233.1470, 4.0800,  
3.1520

255.0000, -0.0000,  
-0.0000

205.1470, 4.0800,  
3.1520

177.7340, 3.8050,  
2.6290

150.8480, 3.4840,  
2.9400

124.8480, 3.4840,  
2.9400

99.8480, 3.4840,  
2.9400

76.4350, 3.2090,  
2.4170

53.4350, 3.2090,

2.4170

■ 32.1360, 2.6130,  
2.2050

■ 8.5600, 4.3550,  
3.6750

■ 233.1470, 4.0800,  
3.1520

■ 233.1470, 4.0800,  
3.1520

■ 217.5770, 14.8530,  
11.6610

■ 248.7170, -6.6930,  
-5.3570

■ 201.8930, 25.9470,  
19.8590

■ 250.2160, -9.5360,  
-3.3920

■ 186.3230, 36.7200,  
28.3680

■ 170.7530, 47.4930,  
36.8770

■ 155.1830, 58.2660,  
45.3860

■ 140.0860, 69.0850,  
53.0610

■ 124.5160, 79.8580,  
61.5700

■ 108.9460, 90.6310,  
70.0790

■ 93.3760, 101.4040,  
78.5880

# Harmonies

## Analogous

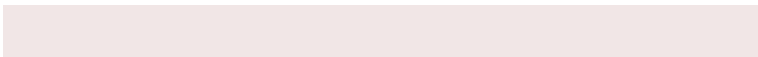
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



233.1790, 1.0540, 2.9260



233.1470, 4.0800, 3.1520



233.2890, 6.5560, 2.3320

# Triad

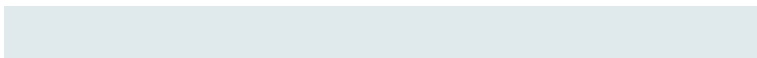
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



233.1470, 4.0800, 3.1520



232.0880, 2.5680, -2.4880



231.3520, -6.9230, -1.1870

# Complementary

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



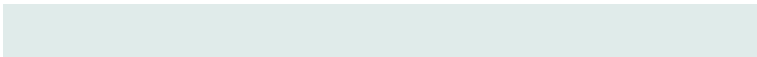
233.1470, 4.0800, 3.1520



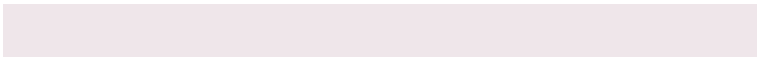
235.8530, -4.0800, -3.1520

# Split Complementary

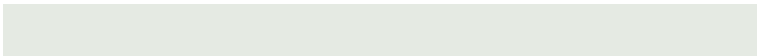
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



231.5970, -6.2350, -2.6430



233.1470, 4.0800, 3.1520



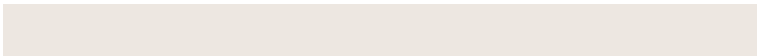
231.7070, -0.7330, -3.2370

# Square

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



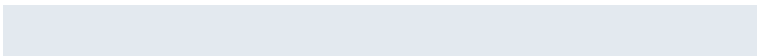
233.1470, 4.0800, 3.1520



232.1100, 5.5020, -0.5940



230.8530, -4.0800, -3.1520



231.8900, -5.5020, 0.5940

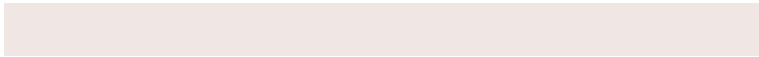


# Rectangle

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



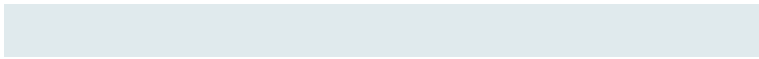
233.1470, 4.0800, 3.1520



232.7620, 6.6020, 1.4980



230.8530, -4.0800, -3.1520



231.3520, -6.9230, -1.1870

# Sweetspot

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



233.1470, 4.0800, 3.1520



253.1250, 1.1460, 1.2580



232.5210, 0.0910, 3.8590



126.7120, 0.8710, 0.7350



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.



233.1470, 4.0800, 3.1520



246.5710, 5.8220, 4.6220



232.6910, 5.3640, 1.9080



115.4350, 3.2090, 2.4170



64.3640, 83.3420, 64.5100

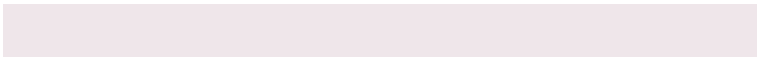


19.5940, 25.3510, 19.6470



# Inverse Universe

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



233.1470, 4.0800, 3.1520



246.5710, 5.8220, 4.6220



236.3090, -5.3640, -1.9080



115.4350, 3.2090, 2.4170



64.3640, 83.3420, 64.5100

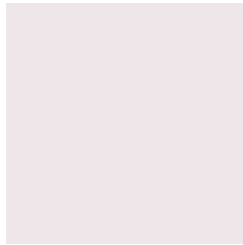


19.5940, 25.3510, 19.6470



# Previews

## White Background



This preview shows how the YIQ color 233.1470, 4.0800, 3.1520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

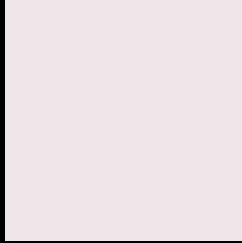
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 233.1470, 4.0800, 3.1520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

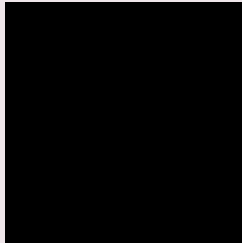
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

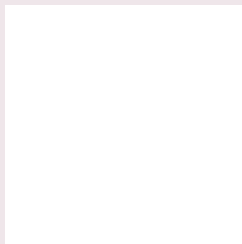
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 233.1470, 4.0800, 3.1520**

## **Background**



This preview shows how black text looks on a background with the YIQ color 233.1470, 4.0800, 3.1520.



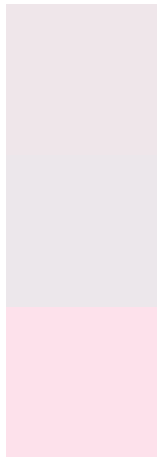
This preview shows how white text looks on a background with the YIQ color 233.1470, 4.0800,

3.1520.

# 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

233.1470, 4.0800, 3.1520

### Protanopia

232.9510, 1.6960, 2.3040

### Deuteranopia

234.5120, 13.4780, 9.0460



## Tritanopia

233.9390, 1.9700, 8.3540

# Trichromacy



## Original Color

233.1470, 4.0800, 3.1520

## Protanomaly

233.2500, 2.2920, 2.5160

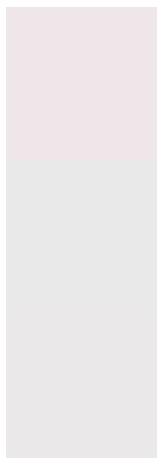
## Deuteranomaly

234.1910, 9.9480, 6.9400

## Tritanomaly

233.7710, 2.3830, 6.3750

# Monochromacy



## Original Color

233.1470, 4.0800, 3.1520

## Achromatopsia

233.0000, -0.0000, -0.0000

## Achromatomaly

233.0110, 1.4670, 0.9470

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 233.1470, 4.0800, 3.1520 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(239, 230, 234)` looks like.

```
.text, #text, p{  
    color:rgb(239, 230, 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(239, 230, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 230, 234) }
```

## Border

The CSS property to change the border of an element to YIQ 233.1470, 4.0800, 3.1520 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(239, 230, 234) }
```



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

```
.border{ border-color:rgb(239, 230, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 230, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 230, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 230, 234);  
box-shadow:4px 4px 4px 4px rgb(239, 230,  
234) }
```

# Background

The CSS property to change the background color of an element to YIQ 233.1470, 4.0800, 3.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 230, 234) }
```

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

```
.background{ background-color: rgb(239,  
230, 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](#).

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