

# Converting Colors

YIQ(228.4190, 0.1380, -2.5020)

Have a look what the booklet for  
YIQ(228.4190, 0.1380, -2.5020)  
contains.

<b>YIQ(228.4190, 0.1380, -2.5020)</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(228.4190, 0.1380,  
-2.5020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3E6E0
RGB	227, 230, 224
RGB Percent	89%, 90%, 88%
CMY	0.1098, 0.0980, 0.1216
CMYK	0.01, 0.00, 0.03, 0.10
HSL	90°, 11%, 89%
HSV	90°, 3%, 90%
XYZ	73.4296, 78.3067, 81.7665
YIQ	228.4190, 0.1380, -2.5020

# Conversions

## Conversions Part 2

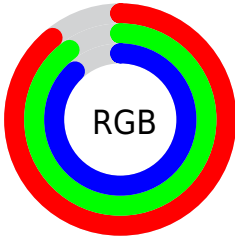
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">224, 230, 227</a>
Decimal	<a href="#">14935776</a>
CIELab	<a href="#">90.92, -2.07, 2.55</a>
CIELCh	<a href="#">91, 3.288, 129.019</a>
Yxy	<a href="#">78.3067, 0.3145, 0.3354</a>
Android (android.graphics.Color)	<a href="#">4293125856</a> ( <a href="#">0xFFE3E6E0</a> )
YUV	<a href="#">228.4190, -2.1786, -1.2445</a>
Hunter-Lab	<a href="#">88.4910, -6.7406, 7.1593</a>

# Details

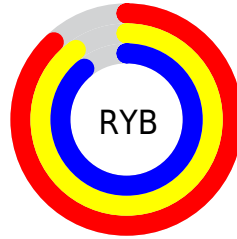
The YIQ color  $228.4190, 0.1380, -2.5020$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $225.5810, -0.1380, 2.5020$ , and the grayscale version is  $228.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $173.4190, 0.1380, -2.5020$  is the 20% darker color. If you saturate the color by 10%, you get  $222.2090, 0.3690, -12.1990$ , and if you desaturate by 10%, it is  $234.6290, -0.0930, 7.1950$ .

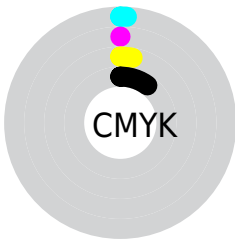
# Distribution



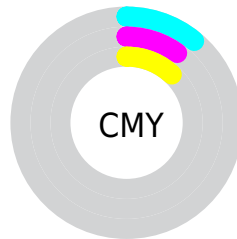
- Red (89%)
- Green (90%)
- Blue (88%)



- Red (88%)
- Yellow (90%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 228.4190, 0.1380, -2.5020 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 228.4190, 0.1380, -2.5020 by changing the saturation by 10% instead.



■ 228.4190, 0.1380,  
-2.5020

■ 228.4190, 0.1380,  
-2.5020

255.0000, -0.0000,  
-0.0000

■ 200.4190, 0.1380,  
-2.5020

■ 173.4190, 0.1380,  
-2.5020

■ 146.4190, 0.1380,  
-2.5020

■ 120.5330, -0.1830,  
-2.1910

■ 95.8320, 0.4130,  
-1.9790

■ 72.5330, -0.1830,  
-2.1910

■ 49.9460, 0.0920,

-1.6680

■ 28.9460, 0.0920,  
-1.6680

■ 2.9350, -1.3750,  
-2.6150

■ 228.4190, 0.1380,  
-2.5020

■ 228.4190, 0.1380,  
-2.5020

■ 222.2090, 0.3690,  
-12.1990

■ 234.6290, -0.0930,  
7.1950

■ 216.2980, 1.1960,  
-21.6840

■ 238.8300, 3.8950,  
12.0150

■ 210.0880, 1.4270,  
-31.3810

■ 240.3250, 6.8750,  
13.0750

■ 204.1770, 2.2540,  
-40.8660

■ 197.9670, 2.4850,  
-50.5630

■ 192.0560, 3.3120,  
-60.0480

■ 185.8460, 3.5430,  
-69.7450

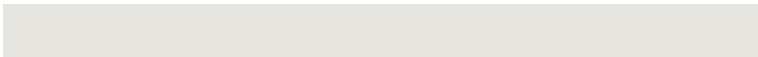
■ 179.9350, 4.3700,  
-79.2300

■ 173.7250, 4.6010,  
-88.9270

# Harmonies

## Analogous

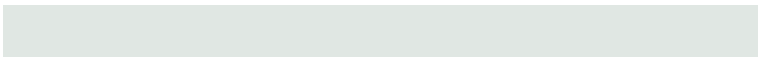
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228.9140, 3.1180, -1.4420



228.4190, 0.1380, -2.5020



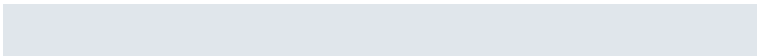
228.4510, -2.8880, -2.7280

# Triad

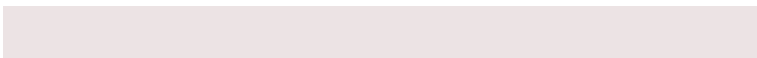
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228.4190, 0.1380, -2.5020



228.7760, -5.1810, 0.2830



229.8050, 5.0430, 2.2190

# Complementary

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



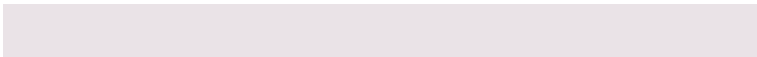
228.4190, 0.1380, -2.5020



225.5810, -0.1380, 2.5020

# Split Complementary

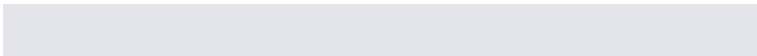
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



229.5490, 2.8880, 2.7280



228.4190, 0.1380, -2.5020



229.0860, -3.1180, 1.4420

# Square

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



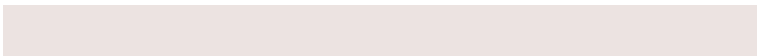
228.4190, 0.1380, -2.5020



228.5370, -6.0060, -1.2860



229.5810, -0.1380, 2.5020



229.4630, 6.0060, 1.2860



# Rectangle

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



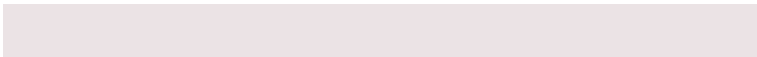
228.4190, 0.1380, -2.5020



228.0810, -4.7220, -2.5300



229.5810, -0.1380, 2.5020



229.6200, 4.1260, 2.3180

# Sweetspot

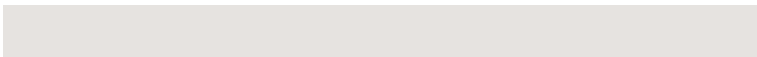
The Sweet Spot groups the original color and five complimentary colors.



228.4190, 0.1380, -2.5020



254.3590, 0.3670, -1.1450



227.5550, 2.7510, -0.2970



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.



228.4190, 0.1380, -2.5020



252.8920, 0.1840, -3.3360



227.5220, -1.6500, -3.1380



113.5330, -0.1830, -2.1910



131.6840, 3.8190, -74.7490



37.4120, 0.8750, -21.3730

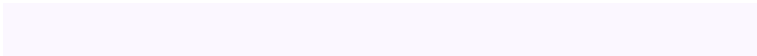


# Inverse Universe

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



225.5810, -0.1380, 2.5020



249.1080, -0.1840, 3.3360



226.4780, 1.6500, 3.1380



111.1680, -0.4130, 1.9790



47.0170, -4.4150, 74.5370

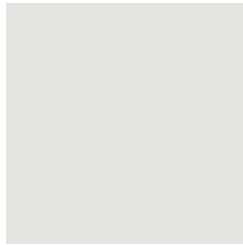


13.5880, -0.8750, 21.3730



# Previews

## White Background



This preview shows how the YIQ color 228.4190, 0.1380, -2.5020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

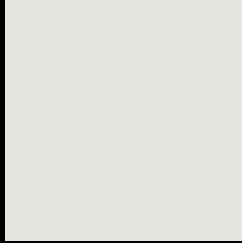
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 228.4190, 0.1380, -2.5020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

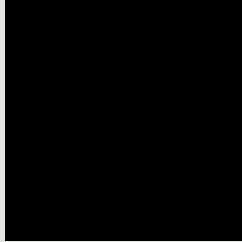
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

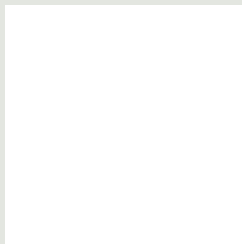
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 228.4190, 0.1380, -2.5020**

## **Background**



This preview shows how black text looks on a background with the YIQ color 228.4190, 0.1380, -2.5020.



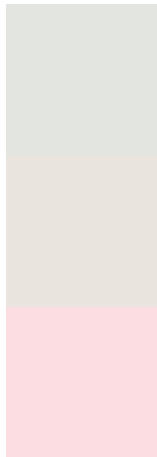
This preview shows how white text looks on a background with the YIQ color 228.4190, 0.1380,

-2.5020.

# 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

228.4190, 0.1380, -2.5020

### Protanopia

229.2240, 5.1810, -0.2830

### Deuteranopia

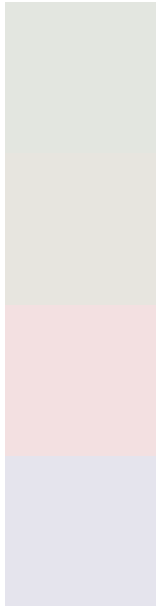
230.8390, 16.8710, 8.1270



## Tritanopia

229.9490, -3.9900, 6.2340

# Trichromacy



## Original Color

228.4190, 0.1380, -2.5020

## Protanomaly

228.9140, 3.1180, -1.4420

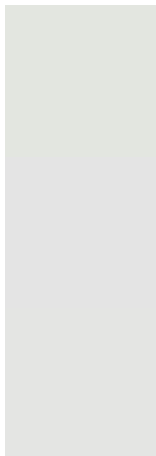
## Deuteranomaly

229.7950, 11.0030, 4.3390

## Tritanomaly

229.3250, -2.2930, 3.0110

# Monochromacy



## Original Color

228.4190, 0.1380, -2.5020

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

228.4730, 0.0460, -0.8340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 228.4190, 0.1380, -2.5020 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(227, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(227, 230, 224)  
}
```

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(227, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 230, 224) }
```

## Border

The CSS property to change the border of an element to YIQ 228.4190, 0.1380, -2.5020 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(227, 230, 224) }
```



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

```
.border{ border-color:rgb(227, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(227, 230,  
224) }
```

# Background

The CSS property to change the background color of an element to YIQ 228.4190, 0.1380, -2.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 230, 224) }
```

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

```
.background{ background-color: rgb(227,  
230, 224) }
```

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