

# Converting Colors

YIQ(227.8690, -1.0090, 1.7670)

Have a look what the booklet for  
YIQ(227.8690, -1.0090, 1.7670)  
contains.

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# Color

**YIQ(227.8690, -1.0090,  
1.7670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E3E8
RGB	228, 227, 232
RGB Percent	89%, 89%, 91%
CMY	0.1059, 0.1098, 0.0902
CMYK	0.02, 0.02, 0.00, 0.09
HSL	252°, 10%, 90%
HSV	252°, 2%, 91%
XYZ	74.0295, 77.2582, 87.3530
YIQ	227.8690, -1.0090, 1.7670

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 227, 232
Decimal	15000552
CIE Lab	90.44, 1.24, -2.32
CIE LCh	90, 2.632, 298.151
Yxy	77.2582, 0.3102, 0.3237
Android (android.graphics.Color)	4293190632 (0xFFE4E3E8)
YUV	227.8690, 2.0366, 0.1149
Hunter-Lab	87.8967, -3.4805, 2.6044

# Details

The YIQ color  $227.8690, -1.0090, 1.7670$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $231.1310, 1.0090, -1.7670$ , 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  $172.7550, -0.6880, 1.4560$  is the 20% darker color. If you saturate the color by 10%, you get  $208.6870, -6.0080, 9.7680$ , and if you desaturate by 10%, it is  $247.0510, 3.9900, -6.2340$ .

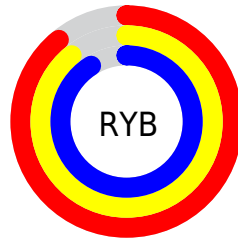
# Distribution



Red (89%)

Green (89%)

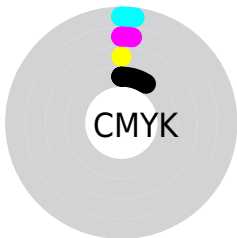
Blue (91%)



Red (89%)

Yellow (89%)

Blue (91%)

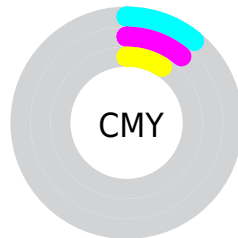


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (11%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 227.8690, -1.0090, 1.7670 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 227.8690, -1.0090, 1.7670 by changing the saturation by 10% instead.



■ 227.8690, -1.0090,  
1.7670

■ 227.8690, -1.0090,  
1.7670

255.0000, -0.0000,  
-0.0000

■ 199.8690, -1.0090,  
1.7670

■ 172.7550, -0.6880,  
1.4560

■ 145.8690, -1.0090,  
1.7670

■ 120.4560, -1.2840,  
1.2440

■ 95.7550, -0.6880,  
1.4560

■ 71.7550, -0.6880,  
1.4560

■ 49.7550, -0.6880,

1.4560

■ 28.6410, -0.3670,  
1.1450

■ 1.9830, -1.3300,  
2.0780

■ 227.8690, -1.0090,  
1.7670

■ 227.8690, -1.0090,  
1.7670

■ 208.6870, -6.0080,  
9.7680

■ 247.0510, 3.9900,  
-6.2340

■ 189.8040,  
-10.4110, 17.9810

■ 252.3780, 7.3830,  
-7.1530

■ 170.0350,  
-15.1350, 26.5050

■ 151.1520,  
-19.5380, 34.7180

■ 131.9700,  
-24.5370, 42.7190

■ 113.0870,  
-28.9400, 50.9320

■ 93.9050, -33.9390,  
58.9330

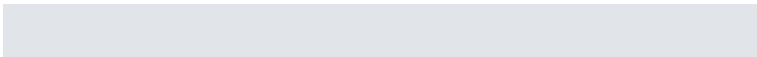
■ 74.1360, -38.6630,  
67.4570

■ 55.2530, -43.0660,  
75.6700

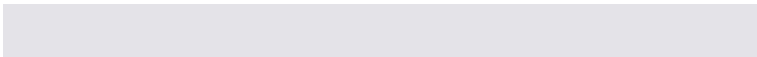
# Harmonies

## Analogous

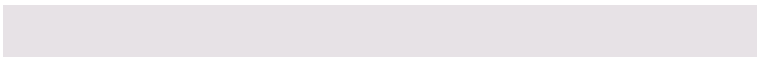
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



227.6730, -3.3930, 0.9190



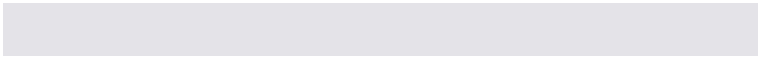
227.8690, -1.0090, 1.7670



227.9510, 1.6960, 2.3040

# Triad

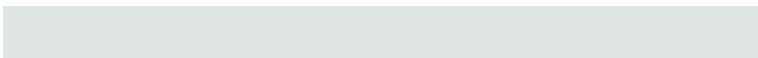
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227.8690, -1.0090, 1.7670



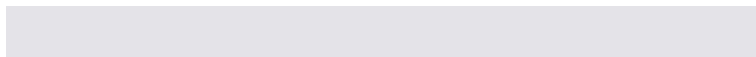
228.0390, 4.2640, -0.1840



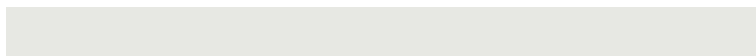
226.6790, -3.5300, -2.1060

# Complementary

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



227.8690, -1.0090, 1.7670



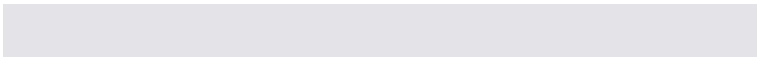
231.1310, 1.0090, -1.7670

# Split Complementary

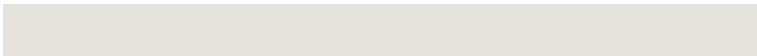
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



227.0490, -1.6960, -2.3040



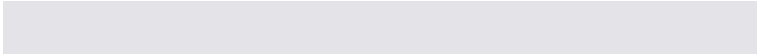
227.8690, -1.0090, 1.7670



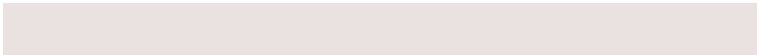
227.4410, 3.0720, -0.6080

# Square

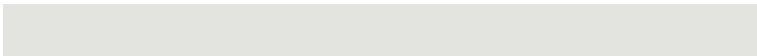
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



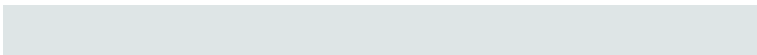
227.8690, -1.0090, 1.7670



227.9790, 4.4930, 1.1730



227.1310, 1.0090, -1.7670

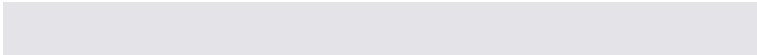


227.0210, -4.4930, -1.1730



# Rectangle

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



227.8690, -1.0090, 1.7670



228.1360, 2.6130, 2.2050



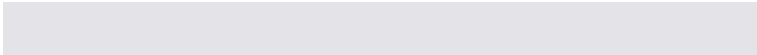
227.1310, 1.0090, -1.7670



226.8640, -2.6130, -2.2050

# Sweetspot

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



227.8690, -1.0090, 1.7670



252.6410, -0.3670, 1.1450



229.9180, -2.7050, -0.5370



126.2280, -0.6420, 0.6220



0.0000, 0.0000, 0.0000

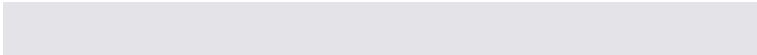


128.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



227.8690, -1.0090, 1.7670



248.5100, -1.3760, 2.9120



228.4670, 0.1830, 2.1910



110.8690, -1.0090, 1.7670



31.1700, -36.0030, 63.3010



8.8040, -10.4110, 17.9810



# Inverse Universe

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



228.9510, 1.6960, 2.3040



250.0760, 2.8420, 3.5620



230.5330, -0.1830, -2.1910



111.9510, 1.6960, 2.3040



69.8230, 60.7810, 82.4210

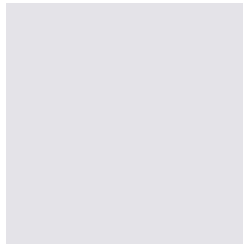


19.9230, 17.2350, 23.5630



# Previews

## White Background



This preview shows how the YIQ color 227.8690, -1.0090, 1.7670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

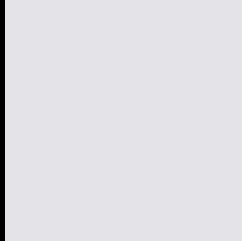
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 227.8690, -1.0090, 1.7670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

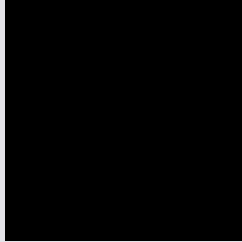
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

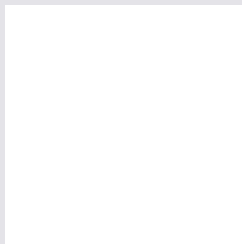
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 227.8690, -1.0090, 1.7670**

## **Background**



This preview shows how black text looks on a background with the YIQ color 227.8690, -1.0090, 1.7670.



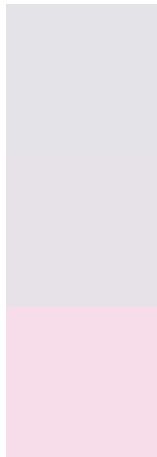
This preview shows how white text looks on a background with the YIQ color 227.8690, -1.0090,

1.7670.

# 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

227.8690, -1.0090, 1.7670

### Protanopia

227.8800, 0.4580, 2.7140

### Deuteranopia

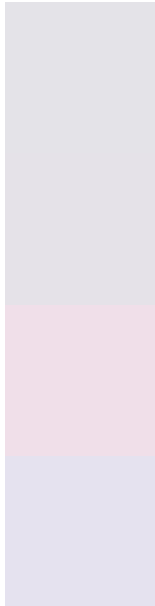
230.1420, 11.6440, 9.2440



## Tritanopia

228.5470, -2.7980, 6.6580

# Trichromacy



## Original Color

227.8690, -1.0090, 1.7670

## Protanomaly

227.5810, -0.1380, 2.5020

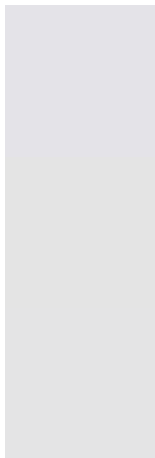
## Deuteranomaly

229.2230, 6.9220, 6.7140

## Tritanomaly

228.3790, -2.3850, 4.6790

# Monochromacy



## Original Color

227.8690, -1.0090, 1.7670

## Achromatopsia

228.0000, 0.0000, 0.0000

## Achromatomaly

228.1140, -0.3210, 0.3110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 227.8690, -1.0090, 1.7670 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, 227, 232)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 232)  
}
```

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, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 232) }
```

## Border

The CSS property to change the border of an element to YIQ 227.8690, -1.0090, 1.7670 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, 227, 232) }
```



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

```
.border{ border-color:rgb(228, 227, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 227, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
232) }
```

# Background

The CSS property to change the background color of an element to YIQ 227.8690, -1.0090, 1.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 232) }
```

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

```
.background{ background-color: rgb(228,  
227, 232) }
```

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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