

# Converting Colors

YIQ(226.2110, -1.9720, 2.7000)

Have a look what the booklet for  
YIQ(226.2110, -1.9720, 2.7000)  
contains.

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# Color

**YIQ(226.2110, -1.9720,  
2.7000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E1E9
RGB	226, 225, 233
RGB Percent	89%, 88%, 91%
CMY	0.1137, 0.1176, 0.0863
CMYK	0.03, 0.03, 0.00, 0.09
HSL	248°, 15%, 90%
HSV	247°, 3%, 91%
XYZ	72.9972, 75.9023, 87.8914
YIQ	226.2110, -1.9720, 2.7000

# Conversions

## Conversions Part 2

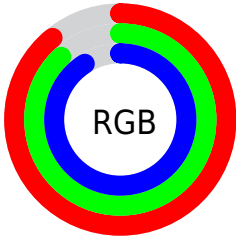
Format	Color
R <sub>Y</sub> B	226, 225, 233
Decimal	14868969
CIE Lab	89.81, 1.79, -3.78
CIE LCh	90, 4.185, 295.372
Yxy	75.9023, 0.3083, 0.3205
Android (android.graphics.Color)	4293059049 (0xFFE2E1E9)
YUV	226.2110, 3.3470, -0.1850
Hunter-Lab	87.1219, -2.9028, 1.1717

# Details

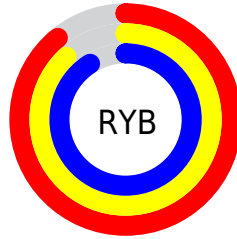
The YIQ color  $226.2110, -1.9720, 2.7000$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $231.7890, 1.9720, -2.7000$ , and the grayscale version is  $226.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $171.0970, -1.6510, 2.3890$  is the 20% darker color. If you saturate the color by 10%, you get  $206.7300, -7.5670, 10.4890$ , and if you desaturate by 10%, it is  $245.6920, 3.6230, -5.0890$ .

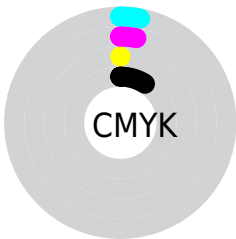
# Distribution



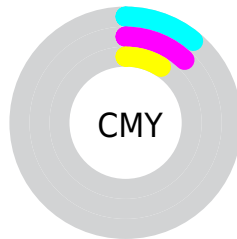
- Red (89%)
- Green (88%)
- Blue (91%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the YIQ color 226.2110, -1.9720, 2.7000 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 226.2110, -1.9720, 2.7000 by changing the saturation by 10% instead.



■ 226.2110, -1.9720,  
2.7000

■ 226.2110, -1.9720,  
2.7000

255.0000, -0.0000,  
-0.0000

■ 198.2110, -1.9720,  
2.7000

■ 171.0970, -1.6510,  
2.3890

■ 144.2110, -1.9720,  
2.7000

■ 119.0970, -1.6510,  
2.3890

■ 94.0970, -1.6510,  
2.3890

■ 70.6840, -1.9260,  
1.8660

■ 47.9830, -1.3300,

2.0780

■ 27.5700, -1.6050,  
1.5550

■ 0.9120, -2.5680,  
2.4880

■ 226.2110, -1.9720,  
2.7000

■ 226.2110, -1.9720,  
2.7000

■ 206.7300, -7.5670,  
10.4890

■ 245.6920, 3.6230,  
-5.0890

■ 186.3630,  
-13.4830, 18.5890

■ 252.4920, 7.0620,  
-6.8420

■ 166.8820,  
-19.0780, 26.3780

■ 147.1020,  
-25.2690, 33.9550

■ 127.6210,  
-30.8640, 41.7440

■ 107.5530,  
-36.1840, 50.0560

■ 87.7730, -42.3750,  
57.6330

■ 68.2920, -47.9700,  
65.4220

■ 48.2240, -53.2900,  
73.7340

# Harmonies

## Analogous

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



225.4170, -5.5480, 1.4280



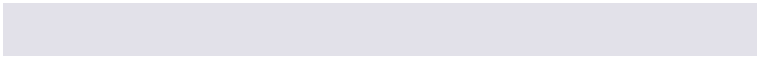
226.2110, -1.9720, 2.7000



226.7770, 2.2460, 3.3500

# Triad

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



226.2110, -1.9720, 2.7000



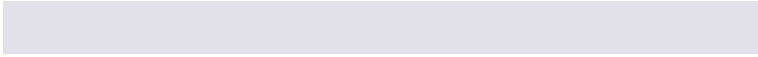
226.1210, 6.9690, 0.3530



224.6680, -4.9970, -3.0530

# Complementary

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



226.2110, -1.9720, 2.7000



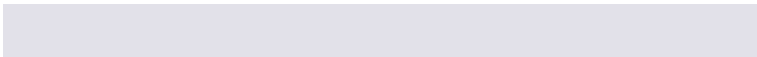
231.7890, 1.9720, -2.7000

# Split Complementary

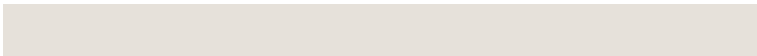
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225.1090, -1.9250, -3.6610



226.2110, -1.9720, 2.7000



225.6970, 5.2270, -1.1170

# Square

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



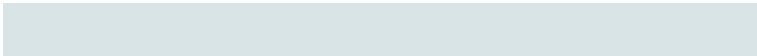
226.2110, -1.9720, 2.7000



226.5880, 7.1520, 2.5440



225.4900, 1.3760, -2.9120



224.5260, -7.4730, -2.2330



# Rectangle

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



226.2110, -1.9720, 2.7000



226.5600, 4.3550, 3.6750



225.4900, 1.3760, -2.9120



224.5540, -4.6760, -3.3640

# Sweetspot

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



226.2110, -1.9720, 2.7000



252.6410, -0.3670, 1.1450



230.0210, -4.4930, -1.1730



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.



226.2110, -1.9720, 2.7000



246.4390, -2.6140, 3.3220



227.4070, 0.4120, 3.5480



111.9830, -1.3300, 2.0780



27.5110, -44.3930, 61.1670



8.2490, -13.1620, 18.2780



# Inverse Universe

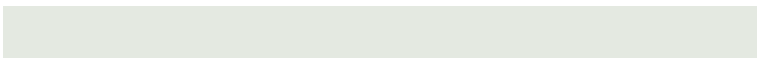
The Inverse Universe completely reimagines the original color for something new.



228.1900, 2.5210, 3.8730



249.0160, 3.0710, 4.9190



230.5930, -0.4120, -3.5480



113.4780, 1.6500, 3.1380



72.1310, 57.1580, 87.5100

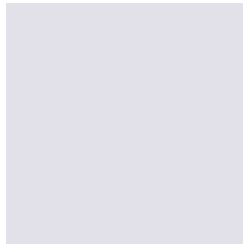


21.5040, 17.0970, 26.0650



# Previews

## White Background



This preview shows how the YIQ color 226.2110, -1.9720, 2.7000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

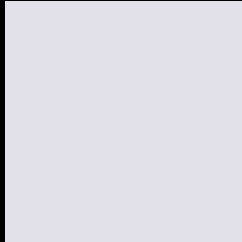
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 226.2110, -1.9720, 2.7000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

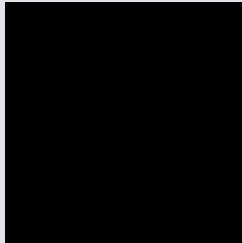
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

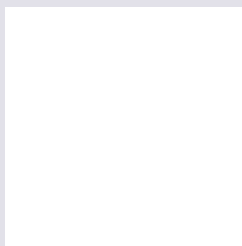
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 226.2110, -1.9720, 2.7000**

## **Background**



This preview shows how black text looks on a background with the YIQ color 226.2110, -1.9720, 2.7000.



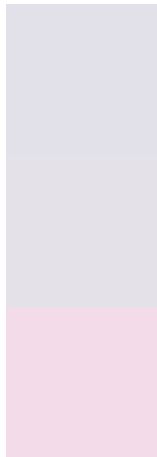
This preview shows how white text looks on a background with the YIQ color 226.2110, -1.9720,

2.7000.

# 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

226.2110, -1.9720, 2.7000

### Protanopia

226.8090, -0.7800, 3.1240

### Deuteranopia

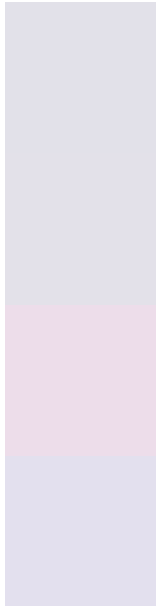
228.1850, 10.0850, 9.9650



## Tritanopia

226.8350, -3.6690, 5.9230

# Trichromacy



## Original Color

226.2110, -1.9720, 2.7000

## Protanomaly

226.5100, -1.3760, 2.9120

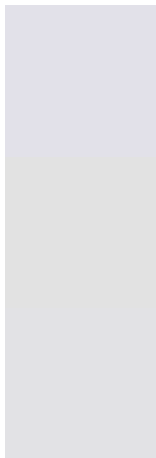
## Deuteranomaly

227.2660, 5.3630, 7.4350

## Tritanomaly

226.4930, -2.7060, 4.9900

# Monochromacy



## Original Color

226.2110, -1.9720, 2.7000

## Achromatopsia

226.0000, -0.0000, 0.0000

## Achromatomaly

226.3420, -0.9630, 0.9330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 226.2110, -1.9720, 2.7000 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(226, 225, 233)` looks like.

```
.text, #text, p{  
    color:rgb(226, 225, 233)  
}
```

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(226, 225, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 225, 233) }
```

## Border

The CSS property to change the border of an element to YIQ 226.2110, -1.9720, 2.7000 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(226, 225, 233) }
```



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

```
.border{ border-color:rgb(226, 225, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 225, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 225, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 225, 233); box-shadow:4px 4px 4px 4px rgb(226, 225, 233) }
```

# Background

The CSS property to change the background color of an element to YIQ 226.2110, -1.9720, 2.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 225, 233) }
```

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

```
.background{ background-color: rgb(226,  
225, 233) }
```

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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