

# Converting Colors

YIQ(231.2810, -8.1610, -0.7770)

Have a look what the booklet for  
YIQ(231.2810, -8.1610, -0.7770)  
contains.

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# Color

**YIQ(231.2810, -8.1610,  
-0.7770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEAEF
RGB	223, 234, 239
RGB Percent	87%, 92%, 94%
CMY	0.1255, 0.0823, 0.0628
CMYK	0.07, 0.02, 0.00, 0.06
HSL	199°, 33%, 91%
HSV	199°, 7%, 94%
XYZ	75.4324, 80.7668, 93.2680
YIQ	231.2810, -8.1610, -0.7770

# Conversions

## Conversions Part 2

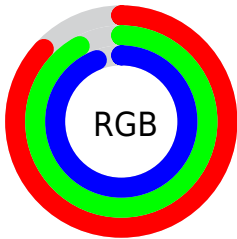
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 230, 239
Decimal	14674671
CIE <sub>Lab</sub>	92.03, -2.71, -3.69
CIE <sub>LCh</sub>	92, 4.578, 233.654
Yxy	80.7668, 0.3024, 0.3238
Android (android.graphics.Color)	4292864751 (0xFFDFEAEF)
YUV	231.2810, 3.8055, -7.2624
Hunter-Lab	89.8703, -7.4497, 1.3777

# Details

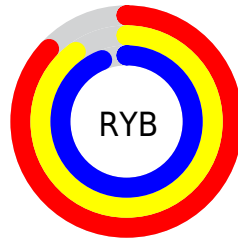
The YIQ color  $231.2810, -8.1610, -0.7770$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $230.7190, 8.1610, 0.7770$ , and the grayscale version is  $231.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $175.5800, -7.5650, -0.5650$  is the 20% darker color. If you saturate the color by 10%, you get  $219.9960, -20.5400, -2.2040$ , and if you desaturate by 10%, it is  $242.5660, 4.2180, 0.6500$ .

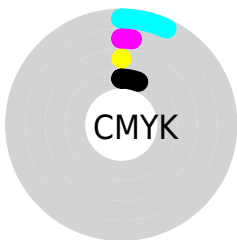
# Distribution



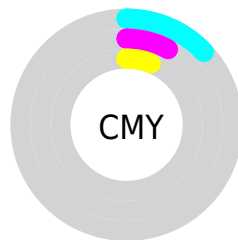
- Red (87%)
- Green (92%)
- Blue (94%)



- Red (87%)
- Yellow (90%)
- Blue (94%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (13%)
- Magenta (8%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 231.2810, -8.1610, -0.7770 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 231.2810, -8.1610, -0.7770 by changing the saturation by 10% instead.



■ 231.2810, -8.1610,  
-0.7770

■ 231.2810, -8.1610,  
-0.7770

255.0000, -0.0000,  
-0.0000

■ 203.2810, -8.1610,  
-0.7770

■ 175.5800, -7.5650,  
-0.5650

■ 149.1670, -7.8400,  
-1.0880

■ 123.4660, -7.2440,  
-0.8760

■ 98.4660, -7.2440,  
-0.8760

■ 74.7650, -6.6480,  
-0.6640

■ 51.7650, -6.6480,

-0.6640

■ 30.6510, -6.3270,  
-0.9750

■ 7.5800, -7.5650,  
-0.5650

■ 231.2810, -8.1610,  
-0.7770

■ 231.2810, -8.1610,  
-0.7770

■ 219.9960,  
-20.5400, -2.2040

■ 242.5660, 4.2180,  
0.6500

■ 208.1240,  
-32.6440, -3.1080

■ 249.6540, 6.7860,  
-1.8380

■ 196.8390,  
-45.0230, -4.5350

■ 253.1760, 5.1360,  
-4.9760

■ 184.9670,  
-57.1270, -5.4390

■ 173.6820,  
-69.5060, -6.8660

■ 162.1090,  
-81.0140, -7.5580

■ 150.8240,  
-93.3930, -8.9850

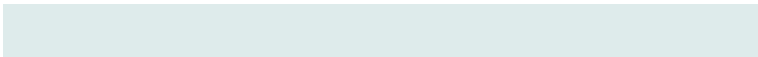
■ 138.9520,  
-105.4970, -9.8890

■ 127.6670,  
-117.8760, -11.3160

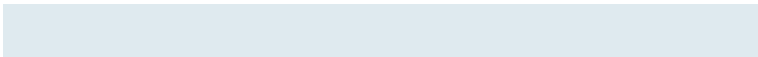
# Harmonies

## Analogous

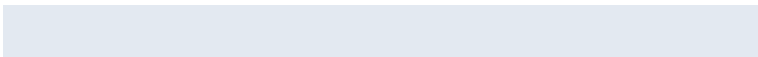
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231.1130, -7.7480, -2.7560



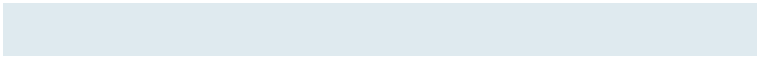
231.2810, -8.1610, -0.7770



232.1180, -6.1440, 1.2160

# Triad

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



231.2810, -8.1610, -0.7770



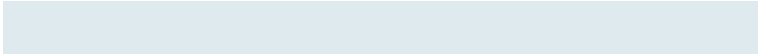
233.0440, 5.8680, 3.7880



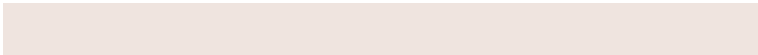
231.6750, 2.2930, -3.0110

# Complementary

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



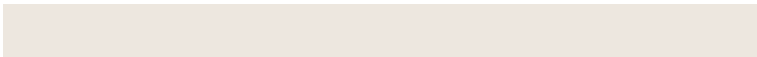
231.2810, -8.1610, -0.7770



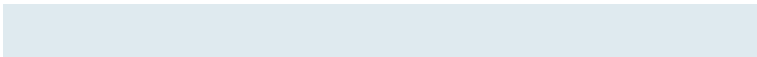
230.7190, 8.1610, 0.7770

# 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.



231.8820, 6.1440, -1.2160



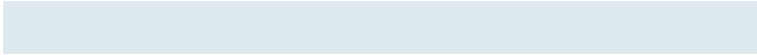
231.2810, -8.1610, -0.7770



232.8870, 7.7480, 2.7560

# Square

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



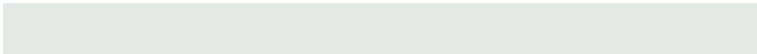
231.2810, -8.1610, -0.7770



232.8910, 1.9250, 3.6610



232.7190, 8.1610, 0.7770

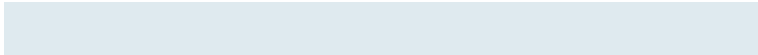


231.1090, -1.9250, -3.6610



# Rectangle

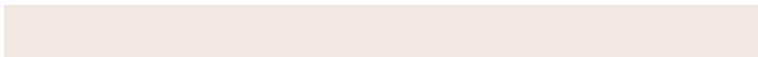
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



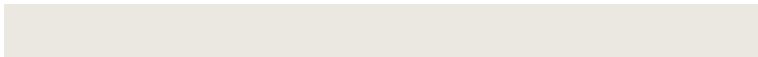
231.2810, -8.1610, -0.7770



232.4280, -4.0810, 2.3750



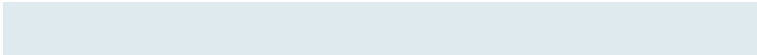
232.7190, 8.1610, 0.7770



231.6860, 3.7600, -2.0640

# Sweetspot

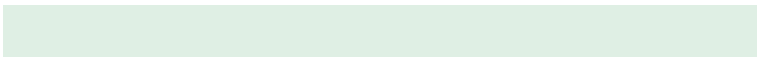
The Sweet Spot groups the original color and five complimentary colors.



231.2810, -8.1610, -0.7770



252.3310, -2.4300, -0.0140



232.9620, -6.0050, -6.8130



126.5160, -1.5130, -0.1130



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

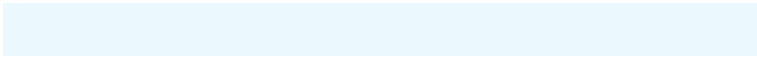


# Same Dimension

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



231.2810, -8.1610, -0.7770



245.4980, -10.2700, -1.1020



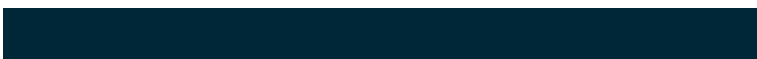
226.5850, -5.9610, 3.4070



114.0640, -6.0520, -0.4520



94.9380, -93.7140, -8.6740



29.2770, -28.7010, -2.9810



# Inverse Universe

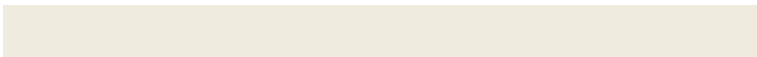
The Inverse Universe completely reimagines the original color for something new.



229.0380, 6.0050, 6.8130



242.5760, 7.4260, 8.5940



235.4150, 5.9610, -3.4070



112.5000, 4.5840, 5.0320



69.3800, 69.2180, 78.1940

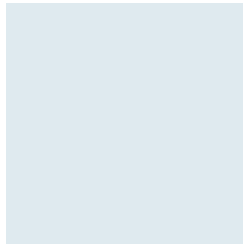


21.1900, 20.8570, 24.0010



# Previews

## White Background



This preview shows how the YIQ color 231.2810, -8.1610, -0.7770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

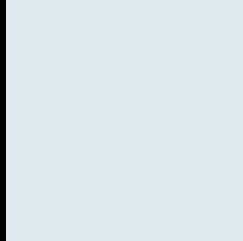
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 231.2810, -8.1610, -0.7770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

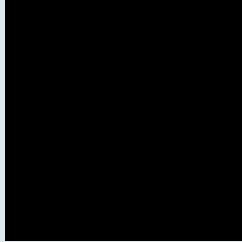
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

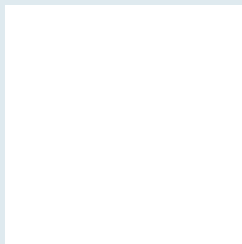
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 231.2810, -8.1610, -0.7770**

## **Background**



This preview shows how black text looks on a background with the YIQ color 231.2810, -8.1610, -0.7770.



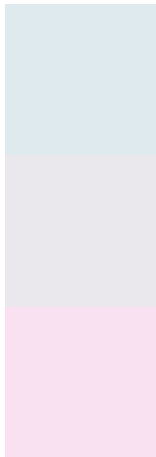
This preview shows how white text looks on a background with the YIQ color 231.2810, -8.1610,

-0.7770.

# 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

231.2810, -8.1610, -0.7770

### Protanopia

232.5810, -0.1380, 2.5020

### Deuteranopia

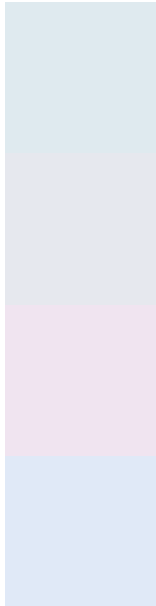
234.2990, 9.7640, 10.2760



## **Tritanopia**

232.0730, -10.2710, 4.4250

# Trichromacy



## Original Color

231.2810, -8.1610, -0.7770

## Protanomaly

232.0860, -3.1180, 1.4420

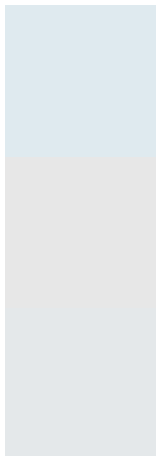
## Deuteranomaly

232.9560, 3.3000, 6.2760

## Tritanomaly

231.9050, -9.8580, 2.4460

# Monochromacy



## Original Color

231.2810, -8.1610, -0.7770

## Achromatopsia

231.0000, -0.0000, -0.0000

## Achromatomaly

231.0320, -3.0260, -0.2260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 231.2810, -8.1610, -0.7770 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(223, 234, 239)` looks like.

```
.text, #text, p{  
    color:rgb(223, 234, 239)  
}
```

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(223, 234, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 234, 239) }
```

## Border

The CSS property to change the border of an element to YIQ 231.2810, -8.1610, -0.7770 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(223, 234, 239) }
```



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

```
.border{ border-color:rgb(223, 234, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 234, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 234, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 234, 239);  
box-shadow:4px 4px 4px 4px rgb(223, 234,  
239) }
```

# Background

The CSS property to change the background color of an element to YIQ 231.2810, -8.1610, -0.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 234, 239) }
```

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

```
.background{ background-color: rgb(223,  
234, 239) }
```

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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