

# Converting Colors

YIQ(231.3040, -6.9680, -5.8800)

Have a look what the booklet for  
YIQ(231.3040, -6.9680, -5.8800)  
contains.

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# Color

**YIQ(231.3040, -6.9680,  
-5.8800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDEDE5
RGB	221, 237, 229
RGB Percent	87%, 93%, 90%
CMY	0.1334, 0.0705, 0.1020
CMYK	0.07, 0.00, 0.03, 0.07
HSL	150°, 31%, 90%
HSV	150°, 7%, 93%
XYZ	74.2437, 81.5995, 85.9620
YIQ	231.3040, -6.9680, -5.8800

# Conversions

## Conversions Part 2

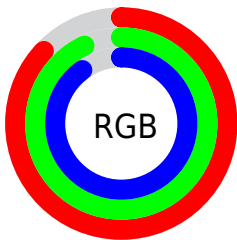
Format	Color
R <sub>Y</sub> B	221, 232, 237
Decimal	14544357
CIE Lab	92.40, -6.75, 2.05
CIE LCh	92, 7.056, 163.144
Yxy	81.5995, 0.3070, 0.3375
Android (android.graphics.Color)	4292734437 (0xFFDDEDE5)
YUV	231.3040, -1.1359, -9.0366
Hunter-Lab	90.3325, -11.3738, 6.8113

# Details

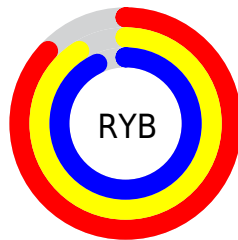
The YIQ color  $231.3040, -6.9680, -5.8800$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $226.6960, 6.9680, 5.8800$ , and the grayscale version is  $231.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $175.7170, -6.6930, -5.3570$  is the 20% darker color. If you saturate the color by 10%, you get  $222.7600, -17.4200, -14.7000$ , and if you desaturate by 10%, it is  $239.8480, 3.4840, 2.9400$ .

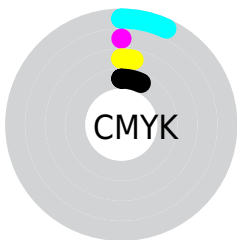
# Distribution



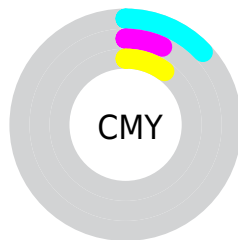
- Red (87%)
- Green (93%)
- Blue (90%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 231.3040, -6.9680, -5.8800 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 231.3040, -6.9680, -5.8800 by changing the saturation by 10% instead.





 231.3040, -6.9680,  
-5.8800

 231.3040, -6.9680,  
-5.8800


255.0000, -0.0000,  
-0.0000


 203.3040, -6.9680,  
-5.8800

 175.7170, -6.6930,  
-5.3570

 149.0160, -6.0970,  
-5.1450

 123.0160, -6.0970,  
-5.1450

 98.1300, -6.4180,  
-4.8340

 74.4290, -5.8220,  
-4.6220

 51.7280, -5.2260,

-4.4100

■ 30.7280, -5.2260,  
-4.4100

■ 7.9730, -4.5380,  
-5.8660

■ 231.3040, -6.9680,  
-5.8800

■ 231.3040, -6.9680,  
-5.8800

■ 222.7600,  
-17.4200, -14.7000

■ 239.8480, 3.4840,  
2.9400

■ 214.5150,  
-27.2760, -23.3080

■ 244.2060, 5.5920,  
8.7920

■ 205.9710,  
-37.7280, -32.1280

■ 244.4340, 4.9500,  
9.4140

■ 197.5410,  
-48.5010, -40.6370

■ 188.9970,  
-58.9530, -49.4570

■ 180.7520,  
-68.8090, -58.0650

■ 172.2080,  
-79.2610, -66.8850

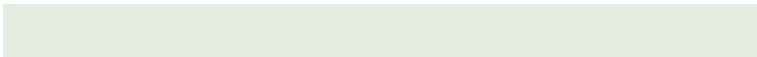
■ 163.6640,  
-89.7130, -75.7050

■ 155.4190,  
-99.5690, -84.3130

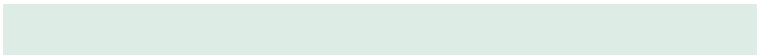
# Harmonies

## Analogous

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



232.1260, -0.5950, -5.7390



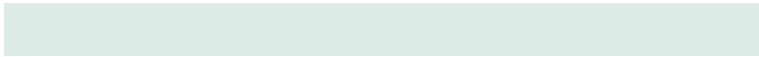
231.3040, -6.9680, -5.8800



230.9060, -11.5990, -4.5510

# Triad

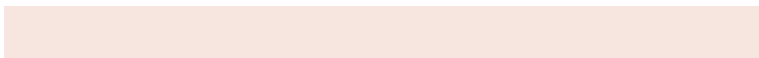
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231.3040, -6.9680, -5.8800



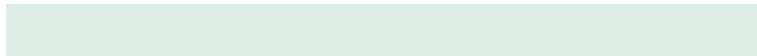
233.5850, -5.9610, 3.4070



234.3990, 12.0580, 1.7380

# Complementary

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



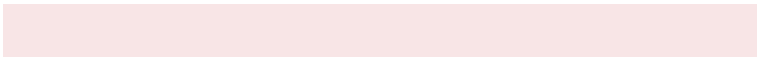
231.3040, -6.9680, -5.8800



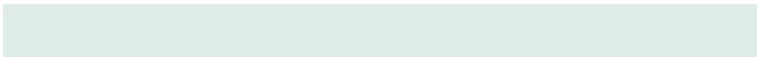
226.6960, 6.9680, 5.8800

# 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.



234.7950, 11.0030, 4.3390



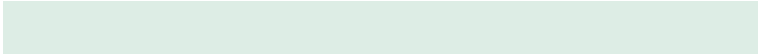
231.3040, -6.9680, -5.8800



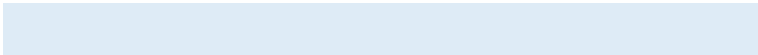
234.4610, 0.3200, 5.2160

# Square

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



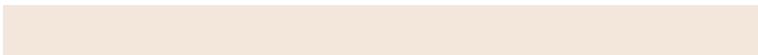
231.3040, -6.9680, -5.8800



232.3670, -11.2790, 0.6650



234.6960, 6.9680, 5.8800



233.3340, 10.6830, -0.8770



# Rectangle

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



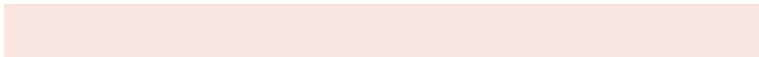
231.3040, -6.9680, -5.8800



231.3620, -12.8830, -3.3070



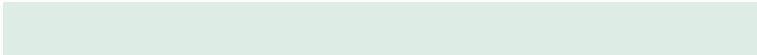
234.6960, 6.9680, 5.8800



234.3390, 12.2870, 3.0950

# Sweetspot

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



231.3040, -6.9680, -5.8800



253.1630, -2.0170, -1.9930



232.7840, 0.3680, -6.6720



126.8750, -1.1460, -1.2580



0.0000, 0.0000, 0.0000

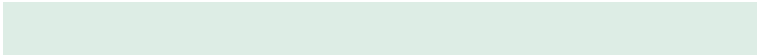


128.0000, -0.0000, -0.0000



# Same Dimension

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



231.3040, -6.9680, -5.8800



247.8800, -8.7100, -7.3500



232.2160, -9.5360, -3.3920



113.0270, -4.6300, -4.1980



116.5070, -78.6650, -66.6730



34.7760, -23.5170, -19.8450



# Inverse Universe

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



226.6960, 6.9680, 5.8800



242.1200, 8.7100, 7.3500



225.7840, 9.5360, 3.3920



109.8590, 4.9510, 3.8870



64.4930, 78.6650, 66.6730

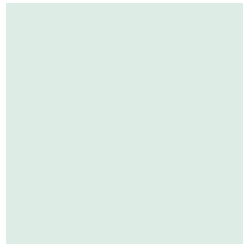


19.2240, 23.5170, 19.8450



# Previews

## White Background



This preview shows how the YIQ color 231.3040, -6.9680, -5.8800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

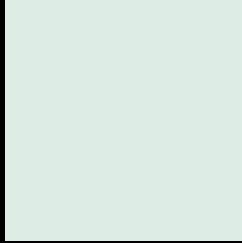
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 231.3040, -6.9680, -5.8800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

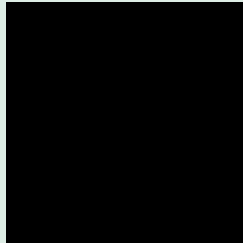
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

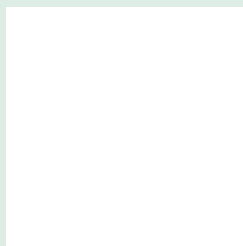
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 231.3040, -6.9680, -5.8800

## Background



This preview shows how black text looks on a background with the YIQ color 231.3040, -6.9680, -5.8800.



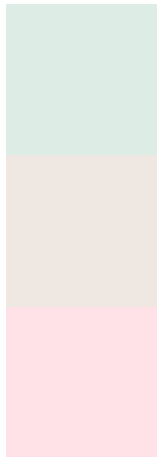
This preview shows how white text looks on a background with the YIQ color 231.3040, -6.9680, -5.8800.

-5.8800.

# 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

231.3040, -6.9680, -5.8800

### Protanopia

233.4090, 6.0980, -0.3820

### Deuteranopia

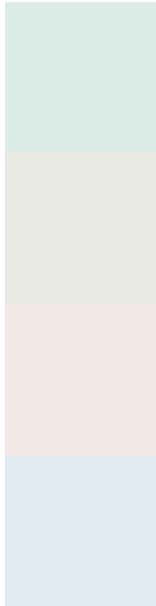
235.2410, 15.6790, 7.7030



## Tritanopia

233.3610, -11.1420, 3.6900

# Trichromacy



## Original Color

231.3040, -6.9680, -5.8800

## Protanomaly

232.6040, 1.0550, -2.6010

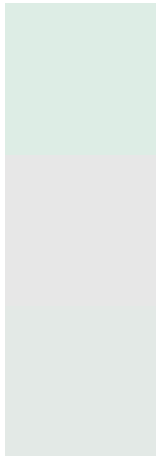
## Deuteranomaly

233.8870, 7.7480, 2.7560

## Tritanomaly

232.7370, -9.4450, 0.4670

# Monochromacy



## Original Color

231.3040, -6.9680, -5.8800

## Achromatopsia

231.0000, -0.0000, -0.0000

## Achromatomaly

230.8640, -2.6130, -2.2050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 231.3040, -6.9680, -5.8800 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(221, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(221, 237, 229)  
}
```

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(221, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 237, 229) }
```

## Border

The CSS property to change the border of an element to YIQ 231.3040, -6.9680, -5.8800 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(221, 237, 229) }
```



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

```
.border{ border-color:rgb(221, 237, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 237, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(221, 237,  
229) }
```

# Background

The CSS property to change the background color of an element to YIQ 231.3040, -6.9680, -5.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 237, 229) }
```

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

```
.background{ background-color: rgb(221,  
237, 229) }
```

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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