

# Converting Colors

YIQ(233.2880, -10.0390,  
-10.7990)

Have a look what the booklet for  
YIQ(233.2880, -10.0390, -10.7990)  
contains.

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# Color

**YIQ(233.2880, -10.0390,  
-10.7990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9F3E2
RGB	217, 243, 226
RGB Percent	85%, 95%, 89%
CMY	0.1491, 0.0470, 0.1137
CMYK	0.11, 0.00, 0.07, 0.05
HSL	141°, 52%, 90%
HSV	141°, 11%, 95%
XYZ	74.3902, 84.3472, 84.3065
YIQ	233.2880, -10.0390, -10.7990

# Conversions

## Conversions Part 2

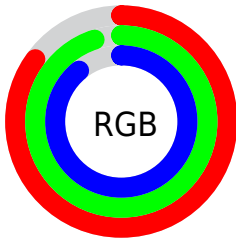
Format	Color
R <sub>Y</sub> B	217, 236, 243
Decimal	14283746
CIE Lab	93.60, -11.64, 5.31
CIE LCh	94, 12.793, 155.452
Yxy	84.3472, 0.3061, 0.3470
Android (android.graphics.Color)	4292473826 (0xFFD9F3E2)
YUV	233.2880, -3.5930, -14.2846
Hunter-Lab	91.8407, -16.1379, 9.8624

# Details

The YIQ color  $233.2880, -10.0390, -10.7990$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $226.7120, 10.0390, 10.7990$ , and the grayscale version is  $233.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $177.7010, -9.7640, -10.2760$  is the 20% darker color. If you saturate the color by 10%, you get  $224.2880, -19.2070, -20.8630$ , and if you desaturate by 10%, it is  $242.2880, -0.8710, -0.7350$ .

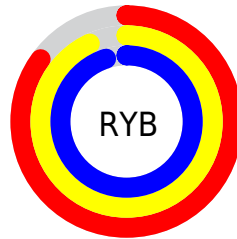
# Distribution



Red (85%)

Green (95%)

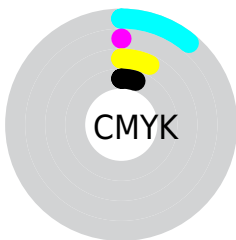
Blue (89%)



Red (85%)

Yellow (93%)

Blue (95%)

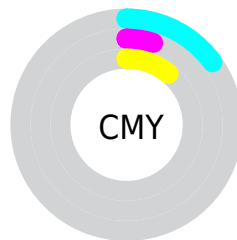


Cyan (11%)

Magenta (0%)

Yellow (7%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 233.2880, -10.0390, -10.7990 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 233.2880, -10.0390, -10.7990 by changing the saturation by 10% instead.



■ 233.2880,  
-10.0390, -10.7990

■ 233.2880,  
-10.0390, -10.7990

255.0000, -0.0000,  
-0.0000

■ 205.2880,  
-10.0390, -10.7990

■ 177.7010, -9.7640,  
-10.2760

■ 151.0000, -9.1680,  
-10.0640

■ 125.1140, -9.4890,  
-9.7530

■ 99.8260, -8.6180,  
-9.0180

■ 75.8260, -8.6180,  
-9.0180

■ 53.2390, -8.3430,

-8.4950

■ 31.6520, -8.0680,  
-7.9720

■ 11.1530, -5.2250,  
-9.9370

■ 233.2880,  
-10.0390, -10.7990

■ 233.2880,  
-10.0390, -10.7990

■ 224.2880,  
-19.2070, -20.8630

■ 242.2880, -0.8710,  
-0.7350

■ 214.9890,  
-28.9710, -31.1390

■ 247.9560, 3.3000,  
6.2760

■ 205.9890,  
-38.1390, -41.2030

■ 196.9890,  
-47.3070, -51.2670

■ 187.8040,  
-57.3920, -61.2320

■ 178.8040,  
-66.5600, -71.2960

■ 169.8040,  
-75.7280, -81.3600

■ 160.8040,  
-84.8960, -91.4240

■ 152.2170,  
-93.7890, -100.9650

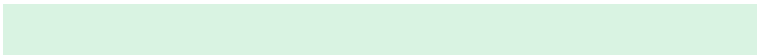
# Harmonies

## Analogous

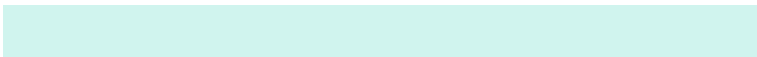
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



234.2740, 1.7440, -9.5840



233.2880, -10.0390, -10.7990



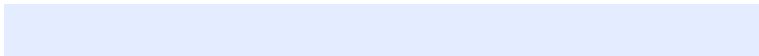
232.5520, -19.5300, -9.4980

# Triad

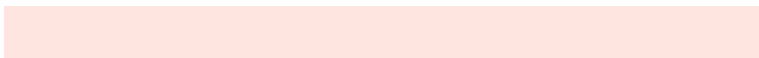
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



233.2880, -10.0390, -10.7990



236.0620, -11.7380, 3.4780



236.0900, 17.4220, 3.6460

# Complementary

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



233.2880, -10.0390, -10.7990



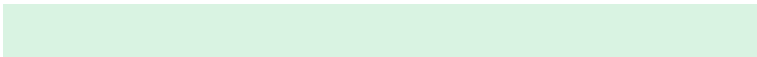
226.7120, 10.0390, 10.7990

# 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.



236.8710, 13.8450, 7.9010



233.2880, -10.0390, -10.7990



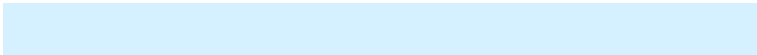
238.1990, -1.6980, 8.7500

# Square

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



233.2880, -10.0390, -10.7990



234.2240, -21.1820, -1.5820



239.4130, 9.4430, 10.5870



236.9390, 19.1650, -0.4110



# Rectangle

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



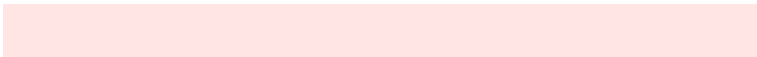
233.2880, -10.0390, -10.7990



232.9800, -23.6110, -7.1230



239.4130, 9.4430, 10.5870



236.5460, 16.1380, 4.8900

# Sweetspot

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



233.2880, -10.0390, -10.7990



252.0380, -3.1630, -3.2510



237.3450, 2.9820, -9.9940



125.7500, -2.2920, -2.5160



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

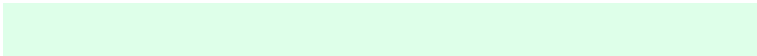


# Same Dimension

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



233.2880, -10.0390, -10.7990



242.6250, -12.6060, -13.8380



234.7700, -14.2120, -6.7560



117.5000, -4.5840, -5.0320



116.4780, -71.6940, -77.3740



36.9130, -22.6450, -24.6370



# Inverse Universe

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



226.7120, 10.0390, 10.7990



234.3750, 12.6060, 13.8380



225.2300, 14.2120, 6.7560



114.5000, 4.5840, 5.0320



69.5220, 71.6940, 77.3740

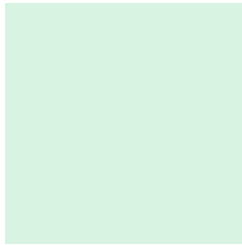


21.9730, 22.9660, 24.3260



# Previews

## White Background



This preview shows how the YIQ color 233.2880, -10.0390, -10.7990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

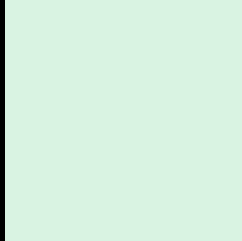
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 233.2880, -10.0390, -10.7990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

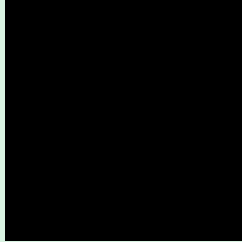
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

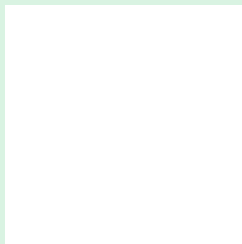
Any Text WCAG AAA ✓ Pass

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

# YIQ 233.2880, -10.0390, -10.7990 Background



This preview shows how black text looks on a background with the YIQ color 233.2880, -10.0390, -10.7990.



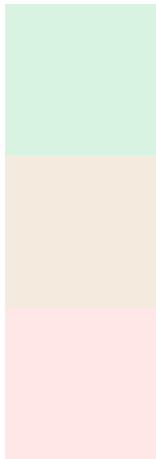
This preview shows how white text looks on a background with the YIQ color 233.2880, -10.0390, -10.7990.

-10.7990.

# 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

233.2880, -10.0390, -10.7990

### Protanopia

236.2090, 9.5370, -2.1350

### Deuteranopia

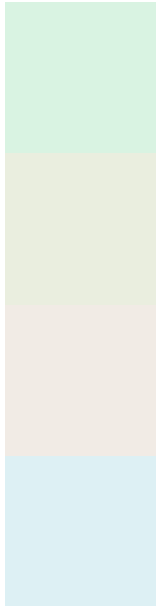
238.1760, 14.3040, 5.0880



## **Tritanopia**

235.7520, -13.8010, 2.3190

# Trichromacy



## Original Color

233.2880, -10.0390, -10.7990

## Protanomaly

235.0940, 2.4310, -5.5130

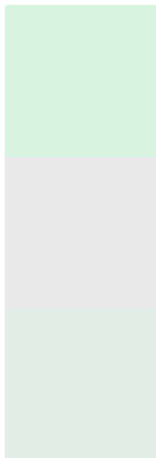
## Deuteranomaly

236.1100, 5.5020, -0.5940

## Tritanomaly

234.7750, -12.6080, -2.7840

# Monochromacy



## Original Color

233.2880, -10.0390, -10.7990

## Achromatopsia

233.0000, -0.0000, -0.0000

## Achromatomaly

233.2120, -3.7130, -4.2970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 233.2880, -10.0390, -10.7990 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(217, 243, 226)` looks like.

```
.text, #text, p{  
    color:rgb(217, 243, 226)  
}
```

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(217, 243, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 243, 226) }
```

## Border

The CSS property to change the border of an element to YIQ 233.2880, -10.0390, -10.7990 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(217, 243, 226) }
```



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

```
.border{ border-color:rgb(217, 243, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 243, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 243, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 243, 226);  
box-shadow:4px 4px 4px 4px rgb(217, 243,  
226) }
```

# Background

The CSS property to change the background color of an element to YIQ 233.2880, -10.0390, -10.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 243, 226) }
```

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

```
.background{ background-color: rgb(217,  
243, 226) }
```

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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