

# Converting Colors

YIQ(223.5030, -8.6660, 2.8700)

Have a look what the booklet for  
YIQ(223.5030, -8.6660, 2.8700)  
contains.

<b>YIQ(223.5030, -8.6660, 2.8700)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(223.5030, -8.6660,  
2.8700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E0EE
RGB	217, 224, 238
RGB Percent	85%, 88%, 93%
CMY	0.1490, 0.1215, 0.0667
CMYK	0.09, 0.06, 0.00, 0.07
HSL	220°, 38%, 89%
HSV	220°, 9%, 93%
XYZ	70.7020, 74.2367, 91.4827
YIQ	223.5030, -8.6660, 2.8700

# Conversions

## Conversions Part 2

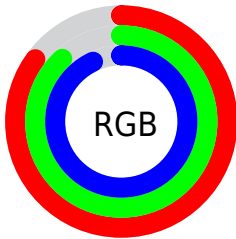
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 222, 238
Decimal	14278894
CIE Lab	89.03, 0.30, -7.63
CIE LCh	89, 7.635, 272.283
Yxy	74.2367, 0.2991, 0.3140
Android (android.graphics.Color)	4292468974 (0xFFD9E0EE)
YUV	223.5030, 7.1470, -5.7031
Hunter-Lab	86.1607, -4.3071, -2.6398

# Details

The YIQ color  $223.5030, -8.6660, 2.8700$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $231.4970, 8.6660, -2.8700$ , and the grayscale version is  $223.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $168.3890, -8.3450, 2.5590$  is the 20% darker color. If you saturate the color by 10%, you get  $206.9350, -18.5700, 6.1500$ , and if you desaturate by 10%, it is  $240.0710, 1.2380, -0.4100$ .

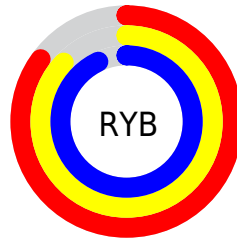
# Distribution



Red (85%)

Green (88%)

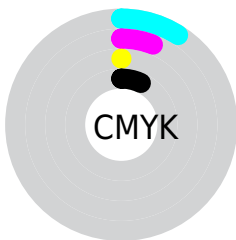
Blue (93%)



Red (85%)

Yellow (87%)

Blue (93%)

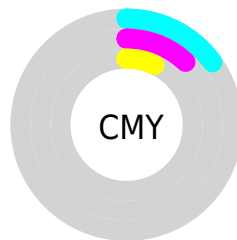


Cyan (9%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (12%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 223.5030, -8.6660, 2.8700 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 223.5030, -8.6660, 2.8700 by changing the saturation by 10% instead.



■ 223.5030, -8.6660,  
2.8700

■ 223.5030, -8.6660,  
2.8700

255.0000, -0.0000,  
-0.0000

■ 195.5030, -8.6660,  
2.8700

■ 168.3890, -8.3450,  
2.5590

■ 141.6880, -7.7490,  
2.7710

■ 116.2750, -8.0240,  
2.2480

■ 91.5740, -7.4280,  
2.4600

■ 68.4600, -7.1070,  
2.1490

■ 46.0470, -7.3820,

1.6260

■ 25.3460, -6.7860,  
1.8380

■ 2.1830, -4.7690,  
3.8310

■ 223.5030, -8.6660,  
2.8700

■ 223.5030, -8.6660,  
2.8700

■ 206.9350,  
-18.5700, 6.1500

■ 240.0710, 1.2380,  
-0.4100

■ 190.3670,  
-28.4740, 9.4300

■ 253.0620, 5.4570,  
-5.2870

■ 174.0980,  
-37.7820, 12.9220

■ 158.1170,  
-47.9610, 15.6790

■ 141.5490,  
-57.8650, 18.9590

■ 124.9810,  
-67.7690, 22.2390

■ 108.4130,  
-77.6730, 25.5190

■ 92.1440, -86.9810,  
29.0110

■ 75.5760, -96.8850,  
32.2910

# Harmonies

## Analogous

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



222.3560, -12.7460, -0.2820



223.5030, -8.6660, 2.8700



224.7920, -2.1100, 5.2020

# Triad

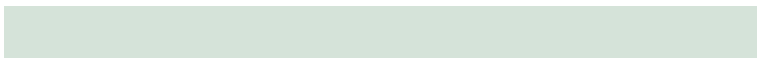
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



223.5030, -8.6660, 2.8700



224.9370, 13.4790, 3.5190



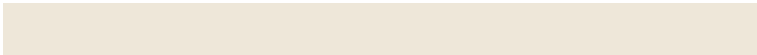
221.6740, -5.1340, -6.0780

# Complementary

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



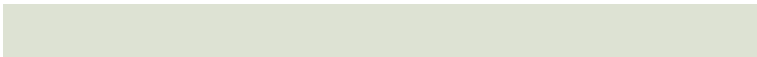
223.5030, -8.6660, 2.8700



231.4970, 8.6660, -2.8700

# Split Complementary

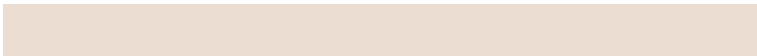
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



222.7950, 1.8350, -5.7250



223.5030, -8.6660, 2.8700



224.3450, 12.1500, 0.0700

# Square

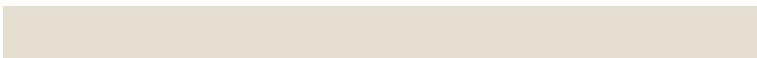
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



223.5030, -8.6660, 2.8700



225.4360, 10.6360, 5.4840



223.1980, 8.0700, -3.0820



221.2650, -11.2320, -5.6960



# Rectangle

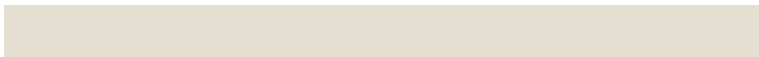
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



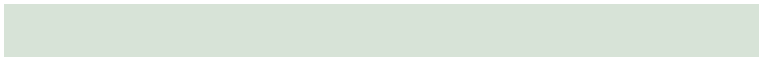
223.5030, -8.6660, 2.8700



225.0700, 2.9790, 6.5870



223.1980, 8.0700, -3.0820



222.0440, -3.3000, -6.2760

# Sweetspot

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



223.5030, -8.6660, 2.8700



249.6730, -3.3930, 0.9190



230.9230, -10.2690, -6.6290



123.8580, -2.4760, 0.8200



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

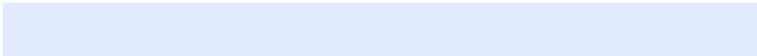


# Same Dimension

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



223.5030, -8.6660, 2.8700



235.4750, -11.4630, 4.0010



220.2910, -4.9530, 7.1670



111.7160, -4.9520, 1.6400



56.7830, -75.8390, 25.3210



17.5370, -23.2010, 7.4790



# Inverse Universe

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



224.0770, 10.2690, 6.6290



236.3980, 13.7990, 8.7350



234.7090, 4.9530, -7.1670



112.0440, 5.8680, 3.7880



61.9700, 90.0830, 57.9790

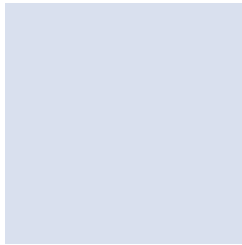


18.9100, 27.2770, 17.7810



# Previews

## White Background



This preview shows how the YIQ color 223.5030, -8.6660, 2.8700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

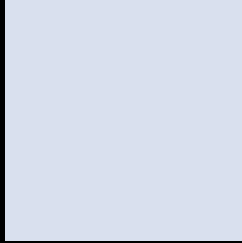
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 223.5030, -8.6660, 2.8700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

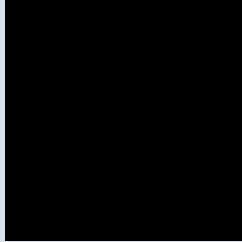
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

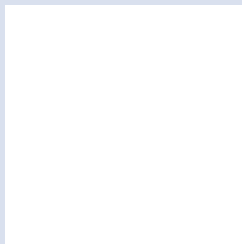
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 223.5030, -8.6660, 2.8700**

## **Background**



This preview shows how black text looks on a background with the YIQ color 223.5030, -8.6660, 2.8700.



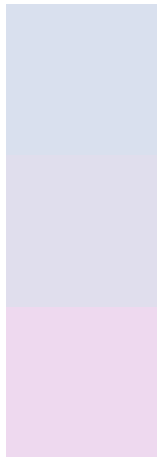
This preview shows how white text looks on a background with the YIQ color 223.5030, -8.6660,

2.8700.

# 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

223.5030, -8.6660, 2.8700

### Protanopia

224.3080, -3.6230, 5.0890

### Deuteranopia

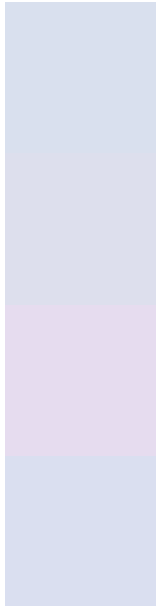
225.7870, 5.4540, 11.2940



## Tritanopia

223.5570, -8.7580, 4.5380

# Trichromacy



## Original Color

223.5030, -8.6660, 2.8700

## Protanomaly

223.9980, -5.6860, 3.9300

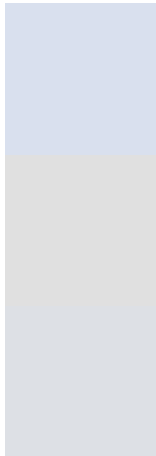
## Deuteranomaly

225.1560, -0.1390, 8.0290

## Tritanomaly

223.4430, -8.4370, 4.2270

# Monochromacy



## Original Color

223.5030, -8.6660, 2.8700

## Achromatopsia

224.0000, -0.0000, 0.0000

## Achromatomaly

223.6730, -3.3930, 0.9190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 223.5030, -8.6660, 2.8700 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, 224, 238)` looks like.

```
.text, #text, p{  
    color:rgb(217, 224, 238)  
}
```

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, 224, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 224, 238) }
```

## Border

The CSS property to change the border of an element to YIQ 223.5030, -8.6660, 2.8700 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, 224, 238) }
```



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

```
.border{ border-color:rgb(217, 224, 238) }
```

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

Here you see how a box with a 4 pixel rgb(217, 224, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 224, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 224, 238);  
box-shadow:4px 4px 4px 4px rgb(217, 224,  
238) }
```

# Background

The CSS property to change the background color of an element to YIQ 223.5030, -8.6660, 2.8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 224, 238) }
```

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

```
.background{ background-color: rgb(217,  
224, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor