

# Converting Colors

YIQ(209.8270, -18.3860, 2.8140)

Have a look what the booklet for  
YIQ(209.8270, -18.3860, 2.8140)  
contains.

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# Color

**YIQ(209.8270, -18.3860,  
2.8140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2D5EB
RGB	194, 213, 235
RGB Percent	76%, 84%, 92%
CMY	0.2392, 0.1647, 0.0785
CMYK	0.17, 0.09, 0.00, 0.08
HSL	212°, 51%, 84%
HSV	212°, 17%, 92%
XYZ	61.0344, 65.0577, 87.9204
YIQ	209.8270, -18.3860, 2.8140

# Conversions

## Conversions Part 2

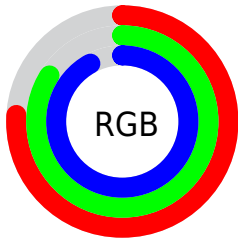
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 207, 235
Decimal	12768747
CIELab	84.51, -1.88, -12.94
CIELCh	85, 13.077, 261.740
Yxy	65.0577, 0.2852, 0.3040
Android (android.graphics.Color)	4290958827 (0xFFC2D5EB)
YUV	209.8270, 12.4103, -13.8803
Hunter-Lab	80.6583, -6.0805, -8.1674

# Details

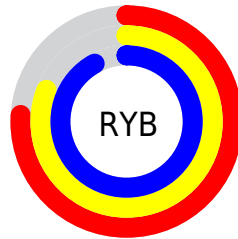
The YIQ color  $209.8270, -18.3860, 2.8140$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $219.1730, 18.3860, -2.8140$ , and the grayscale version is  $210.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $253.8040, -2.3840, -0.8480$ , and  $155.0120, -17.4690, 2.7150$  is the 20% darker color. If you saturate the color by 10%, you get  $195.0200, -29.1150, 4.5250$ , and if you desaturate by 10%, it is  $224.3350, -8.2530, 0.8910$ .

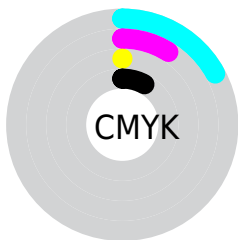
# Distribution



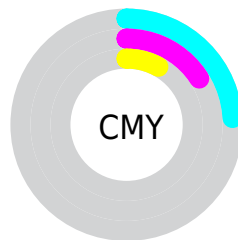
- Red (76%)
- Green (84%)
- Blue (92%)



- Red (76%)
- Yellow (81%)
- Blue (92%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (24%)
- Magenta (16%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 209.8270, -18.3860, 2.8140 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 209.8270, -18.3860, 2.8140 by changing the saturation by 10% instead.



■ 209.8270,  
-18.3860, 2.8140

■ 209.8270,  
-18.3860, 2.8140

■ 255.0000, -0.0000,  
-0.0000

■ 182.1260,  
-17.7900, 3.0260

■ 253.8040, -2.3840,  
-0.8480

■ 155.0120,  
-17.4690, 2.7150

■ 128.8980,  
-17.1480, 2.4040

■ 103.8980,  
-17.1480, 2.4040

■ 79.6700, -16.5060,  
1.7820

■ 56.5560, -16.1850,  
1.4710

■ 34.2570, -16.7810,

1.2590

■ 14.3280, -15.5430,  
0.8490

■ 0.9120, -2.5680,  
2.4880

■ 209.8270,  
-18.3860, 2.8140

■ 209.8270,  
-18.3860, 2.8140

■ 195.0200,  
-29.1150, 4.5250

■ 224.3350, -8.2530,  
0.8910

■ 181.0990,  
-39.5230, 5.9250

■ 238.5550, 2.7510,  
-0.2970

■ 166.5910,  
-49.6560, 7.8480

■ 250.3720, 7.5200,  
-4.1280

■ 152.3710,  
-60.6600, 9.0360

■ 252.7200, 6.4200,  
-6.2200

■ 137.8630,  
-70.7930, 10.9590

■ 123.0560,  
-81.5220, 12.6700

■ 109.1350,  
-91.9300, 14.0700

■ 94.3280,  
-102.6590, 15.7810

■ 90.7730,  
-105.4100, 16.0780

# Harmonies

## Analogous

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



207.7290, -24.1620, -2.6420



209.8270, -18.3860, 2.8140



211.8500, -8.0250, 7.7750

# Triad

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



209.8270, -18.3860, 2.8140



213.3510, 21.1810, 7.1090



207.9250, -4.5830, -10.5590

# Complementary

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



209.8270, -18.3860, 2.8140



219.1730, 18.3860, -2.8140

# 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.



209.5520, 6.8330, -8.1990



209.8270, -18.3860, 2.8140



212.1890, 21.4570, 2.1050

# Square

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



209.8270, -18.3860, 2.8140



213.6370, 14.6240, 10.3040



211.2760, 16.5980, -3.4500



206.8790, -16.1370, -10.4170



# Rectangle

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



209.8270, -18.3860, 2.8140



212.5090, 0.3650, 9.9090



211.2760, 16.5980, -3.4500



208.4910, -0.3650, -9.9090

# Sweetspot

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



209.8270, -18.3860, 2.8140



247.0040, -5.8230, 0.9050



220.5750, -18.3370, -14.6010



122.6730, -3.3930, 0.9190



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

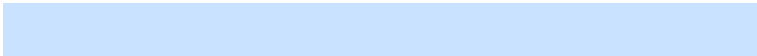


# Same Dimension

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



209.8270, -18.3860, 2.8140



221.8310, -24.2090, 3.7190



198.9730, -12.5650, 12.9630



110.1890, -4.9060, 0.8060



69.9420, -81.2010, 12.3590



20.8310, -24.2090, 3.7190



# Inverse Universe

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



208.4250, 18.3370, 14.6010



219.9960, 24.1590, 19.2230



230.0270, 12.5650, -12.9630



109.8590, 4.9510, 3.8870



63.6950, 80.9120, 64.4960

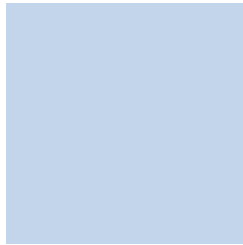


18.9960, 24.1590, 19.2230



# Previews

## White Background



This preview shows how the YIQ color 209.8270, -18.3860, 2.8140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

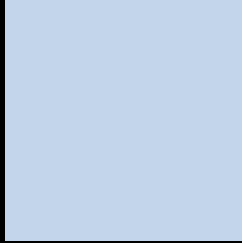
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 209.8270, -18.3860, 2.8140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

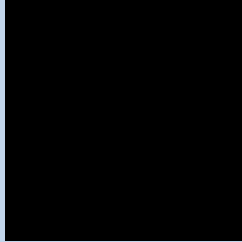
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

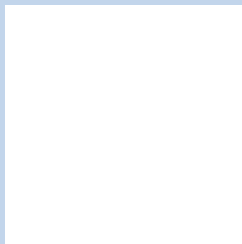
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 209.8270, -18.3860, 2.8140

## Background



This preview shows how black text looks on a background with the YIQ color 209.8270, -18.3860, 2.8140.



This preview shows how white text looks on a background with the YIQ color 209.8270, -18.3860,



# 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

209.8270, -18.3860, 2.8140

### Protanopia

211.4370, -8.3000, 7.2520

### Deuteranopia

212.8340, -1.9280, 12.9200



## Tritanopia

209.6590, -17.9730, 0.8350

# Trichromacy



## Original Color

209.8270, -18.3860, 2.8140

## Protanomaly

210.6430, -11.8760, 5.9800

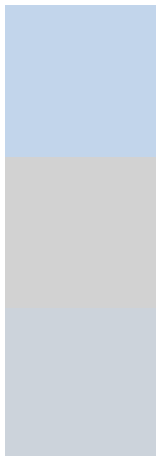
## Deuteranomaly

211.7900, -7.7960, 9.1320

## Tritanomaly

209.7730, -18.2940, 1.1460

# Monochromacy



## Original Color

209.8270, -18.3860, 2.8140

## Achromatopsia

210.0000, 0.0000, 0.0000

## Achromatomaly

209.8190, -6.7400, 1.0040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 209.8270, -18.3860, 2.8140 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(194, 213, 235)` looks like.

```
.text, #text, p{  
    color:rgb(194, 213, 235)  
}
```

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(194, 213, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 213, 235) }
```

## Border

The CSS property to change the border of an element to YIQ 209.8270, -18.3860, 2.8140 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(194, 213, 235) }
```



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

```
.border{ border-color:rgb(194, 213, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 213, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 213, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 213, 235);  
box-shadow:4px 4px 4px 4px rgb(194, 213,  
235) }
```

# Background

The CSS property to change the background color of an element to YIQ 209.8270, -18.3860, 2.8140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 213, 235) }
```

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

```
.background{ background-color: rgb(194,  
213, 235) }
```

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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