

# Converting Colors

YIQ(210.2060, -21.9120,  
-21.4000)

Have a look what the booklet for  
YIQ(210.2060, -21.9120, -21.4000)  
contains.

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# Color

**YIQ(210.2060, -21.9120,  
-21.4000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E6C6
RGB	176, 230, 198
RGB Percent	69%, 90%, 78%
CMY	0.3099, 0.0979, 0.2236
CMYK	0.24, 0.00, 0.14, 0.10
HSL	144°, 52%, 80%
HSV	144°, 24%, 90%
XYZ	56.3903, 69.9084, 63.9381
YIQ	210.2060, -21.9120, -21.4000

# Conversions

## Conversions Part 2

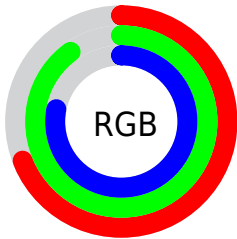
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 214, 230
Decimal	11593414
CIELab	86.95, -23.62, 10.02
CIElCh	87, 25.659, 157.006
Yxy	69.9084, 0.2964, 0.3675
Android (android.graphics.Color)	4289783494 (0xFFB0E6C6)
YUV	210.2060, -6.0176, -29.9987
Hunter-Lab	83.6112, -25.9332, 13.1884

# Details

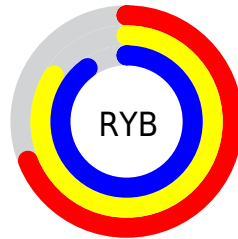
The YIQ color  $210.2060, -21.9120, -21.4000$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $195.7940, 21.9120, 21.4000$ , and the grayscale version is  $210.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $248.1230, -13.7080, -4.8760$ , and  $155.0320, -21.3620, -20.3540$  is the 20% darker color. If you saturate the color by 10%, you get  $201.7330, -31.1260, -30.6300$ , and if you desaturate by 10%, it is  $218.6790, -12.6980, -12.1700$ .

# Distribution



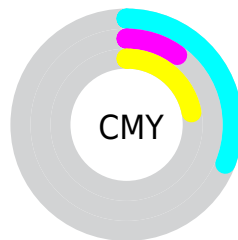
- Red (69%)
- Green (90%)
- Blue (78%)



- Red (69%)
- Yellow (84%)
- Blue (90%)



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)



- Cyan (31%)
- Magenta (10%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 210.2060, -21.9120, -21.4000 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 210.2060, -21.9120, -21.4000 by changing the saturation by 10% instead.



■ 210.2060,  
-21.9120, -21.4000

■ 210.2060,  
-21.9120, -21.4000

255.0000, -0.0000,  
-0.0000

■ 182.6190,  
-21.6370, -20.8770

■ 248.1230,  
-13.7080, -4.8760

■ 155.0320,  
-21.3620, -20.3540

■ 129.3310,  
-20.7660, -20.1420

■ 103.8580,  
-20.8120, -19.3080

■ 78.9720, -21.1330,  
-18.9970

■ 54.3140, -22.0960,  
-18.0640

■ 32.4280, -22.4170,

-17.7530

■ 17.6100, -8.2500,  
-15.6900

■ 0.0000, 0.0000,  
0.0000

■ 210.2060,  
-21.9120, -21.4000

■ 210.2060,  
-21.9120, -21.4000

■ 201.7330,  
-31.1260, -30.6300

■ 218.6790,  
-12.6980, -12.1700

■ 193.3740,  
-40.6610, -39.5490

■ 227.0380, -3.1630,  
-3.2510

■ 184.9010,  
-49.8750, -48.7790

■ 235.5110, 6.0510,  
5.9790

■ 176.4280,  
-59.0890, -58.0090

■ 240.0970, 7.5170,  
12.4530

■ 168.0690,  
-68.6240, -66.9280

■ 240.3250, 6.8750,  
13.0750

■ 159.5960,  
-77.8380, -76.1580

■ 151.2370,  
-87.3730, -85.0770

■ 145.7260,  
-93.4240, -91.0560

# Harmonies

## Analogous

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



213.0640, 1.9750, -19.2810



210.2060, -21.9120, -21.4000



207.9510, -43.0030, -19.1230

# Triad

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



210.2060, -21.9120, -21.4000



215.9390, -24.3930, 7.0550



217.0660, 35.1650, 6.9810

# Complementary

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



210.2060, -21.9120, -21.4000



195.7940, 21.9120, 21.4000

# 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.



217.9270, 28.6070, 15.7030



210.2060, -21.9120, -21.4000



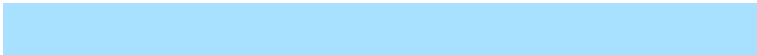
220.8110, -3.1210, 18.0230

# Square

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



210.2060, -21.9120, -21.4000



211.0780, -44.1980, -2.9660



222.1250, 19.4820, 21.3860



218.7530, 37.1840, -2.0800



# Rectangle

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



210.2060, -21.9120, -21.4000



207.6930, -50.8440, -14.6840



222.1250, 19.4820, 21.3860



217.2770, 33.1930, 9.6810

# Sweetspot

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



210.2060, -21.9120, -21.4000



248.3640, -7.1970, -7.2370



217.2660, 4.2220, -21.4580



123.9130, -4.3090, -4.5090



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

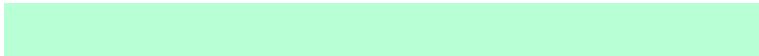


# Same Dimension

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



210.2060, -21.9120, -21.4000



228.9830, -28.8340, -28.1140



213.2840, -30.5790, -13.0030



110.6140, -4.9050, -4.7210



113.3950, -72.6580, -70.9140



32.3310, -20.7660, -20.1420



# Inverse Universe

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



195.7940, 21.9120, 21.4000



210.0170, 28.8340, 28.1140



192.7160, 30.5790, 13.0030



107.3860, 4.9050, 4.7210



65.6050, 72.6580, 70.9140

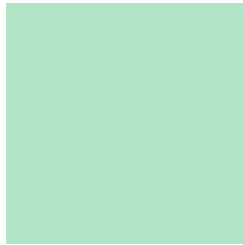


18.6690, 20.7660, 20.1420



# Previews

## White Background



This preview shows how the YIQ color 210.2060, -21.9120, -21.4000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

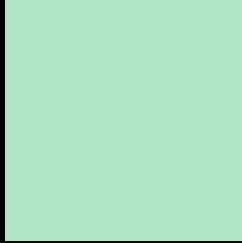
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 210.2060, -21.9120, -21.4000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

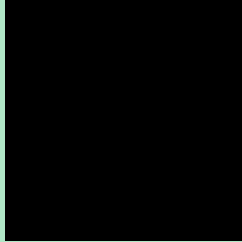
Any Text WCAG AA ✓ Pass

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 210.2060, -21.9120, -21.4000 Background



This preview shows how black text looks on a background with the YIQ color 210.2060, -21.9120, -21.4000.



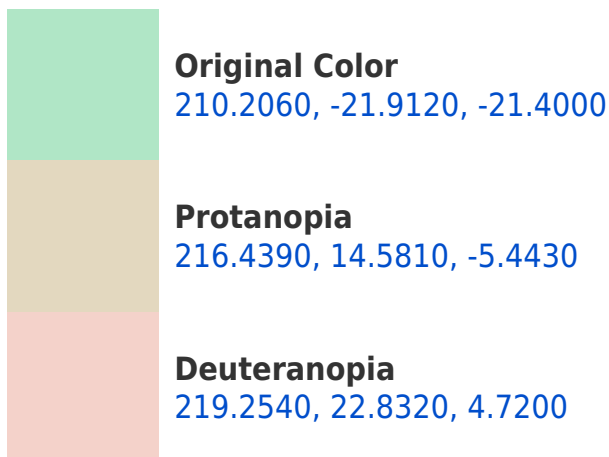
This preview shows how white text looks on a background with the YIQ color 210.2060, -21.9120,

-21.4000.

# 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

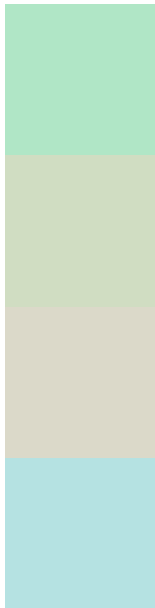




## Tritanopia

214.0920, -29.6180, -2.8820

# Trichromacy



## Original Color

210.2060, -21.9120, -21.4000

## Protanomaly

214.0350, 0.9190, -11.1530

## Deuteranomaly

215.7740, 6.3280, -4.5520

## Tritanomaly

212.5450, -26.8200, -9.5400

# Monochromacy



## Original Color

210.2060, -21.9120, -21.4000

## Achromatopsia

210.0000, 0.0000, 0.0000

## Achromatomaly

210.0650, -7.7930, -7.4490

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 210.2060, -21.9120, -21.4000 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(176, 230, 198)` looks like.

```
.text, #text, p{  
    color:rgb(176, 230, 198)  
}
```

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(176, 230, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 230, 198) }
```

## Border

The CSS property to change the border of an element to YIQ 210.2060, -21.9120, -21.4000 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(176, 230, 198) }
```



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

```
.border{ border-color:rgb(176, 230, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 230, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 230, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 230, 198);  
box-shadow:4px 4px 4px 4px rgb(176, 230,  
198) }
```

# Background

The CSS property to change the background color of an element to YIQ 210.2060, -21.9120, -21.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 230, 198) }
```

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

```
.background{ background-color: rgb(176,  
230, 198) }
```

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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