

# Converting Colors

YIQ(213.9240, -29.2050,  
-4.8610)

Have a look what the booklet for  
YIQ(213.9240, -29.2050, -4.8610)  
contains.

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# Color

**YIQ(213.9240, -29.2050,  
-4.8610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E1EE
RGB	183, 225, 238
RGB Percent	72%, 88%, 93%
CMY	0.2824, 0.1176, 0.0668
CMYK	0.23, 0.05, 0.00, 0.07
HSL	194°, 62%, 83%
HSV	194°, 23%, 93%
XYZ	61.8808, 70.0956, 91.1325
YIQ	213.9240, -29.2050, -4.8610

# Conversions

## Conversions Part 2

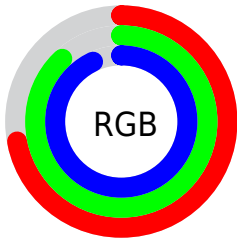
Format	Color
<a href="#">RYB</a>	<a href="#">183, 207, 238</a>
Decimal	<a href="#">12050926</a>
CIELab	<a href="#">87.04, -10.80, -10.82</a>
CIELCh	<a href="#">87, 15.288, 225.051</a>
Yxy	<a href="#">70.0956, 0.2774, 0.3142</a>
Android (android.graphics.Color)	<a href="#">4290241006</a> ( <a href="#">0xFFB7E1EE</a> )
YUV	<a href="#">213.9240, 11.8695, -27.1203</a>
Hunter-Lab	<a href="#">83.7231, -14.5839, -5.9309</a>

# Details

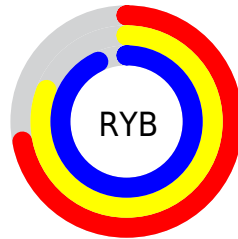
The YIQ color  $213.9240, -29.2050, -4.8610$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $207.0760, 29.2050, 4.8610$ , and the grayscale version is  $214.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $250.5150, -8.9400, -3.1800$ , and  $159.1090, -28.2880, -4.9600$  is the 20% darker color. If you saturate the color by 10%, you get  $203.2260, -41.8590, -6.8110$ , and if you desaturate by 10%, it is  $224.6220, -16.5510, -2.9110$ .

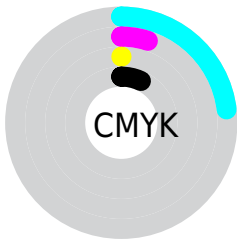
# Distribution



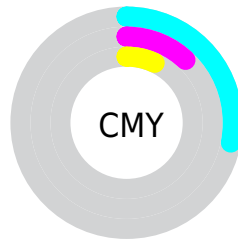
- Red (72%)
- Green (88%)
- Blue (93%)



- Red (72%)
- Yellow (81%)
- Blue (93%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (28%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 213.9240, -29.2050, -4.8610 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 213.9240, -29.2050, -4.8610 by changing the saturation by 10% instead.



■ 213.9240,  
-29.2050, -4.8610

■ 213.9240,  
-29.2050, -4.8610

■ 255.0000, -0.0000,  
-0.0000

■ 186.2230,  
-28.6090, -4.6490

■ 250.5150, -8.9400,  
-3.1800

■ 159.1090,  
-28.2880, -4.9600

■ 132.4080,  
-27.6920, -4.7480

■ 106.9950,  
-27.9670, -5.2710

■ 82.2940, -27.3710,  
-5.0590

■ 57.6960, -28.5630,  
-5.4830

■ 34.0870, -31.2220,

-6.8540

■ 19.9530, -18.9810,  
-2.9250

■ 2.1830, -4.7690,  
3.8310

■ 213.9240,  
-29.2050, -4.8610

■ 213.9240,  
-29.2050, -4.8610

■ 203.2260,  
-41.8590, -6.8110

■ 224.6220,  
-16.5510, -2.9110

■ 193.1150,  
-54.7880, -9.2840

■ 234.7330, -3.6220,  
-0.4380

■ 182.7160,  
-66.8460, -11.0220

■ 245.1320, 8.4360,  
1.3000

■ 172.6050,  
-79.7750, -13.4950

■ 248.3660, 7.6570,  
-1.1030

■ 161.9070,  
-92.4290, -15.4450

■ 251.8880, 6.0070,  
-4.2410

■ 151.2090,  
-105.0830, -17.3950

■ 253.0620, 5.4570,  
-5.2870

■ 141.0980,  
-118.0120, -19.8680

■ 133.9660,  
-126.4480, -21.1680

# Harmonies

## Analogous

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



213.3170, -26.1780, -10.1620



213.9240, -29.2050, -4.8610



215.7770, -24.1170, 2.0510

# Triad

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



213.9240, -29.2050, -4.8610



221.1040, 14.8070, 12.4950



216.5910, 11.0970, -8.3830

# Complementary

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



213.9240, -29.2050, -4.8610



207.0760, 29.2050, 4.8610

# 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.



218.7280, 21.1370, -3.1110



213.9240, -29.2050, -4.8610



220.6010, 23.4730, 9.6250

# Square

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



213.9240, -29.2050, -4.8610



220.4600, 2.0610, 12.2130



219.6950, 25.9040, 4.1120



214.6540, -2.3820, -11.9020



# Rectangle

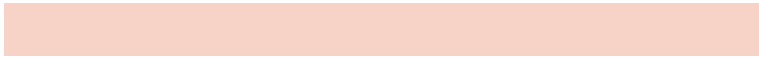
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



213.9240, -29.2050, -4.8610



217.7180, -16.4610, 6.4750



219.6950, 25.9040, 4.1120



217.3850, 14.6730, -7.1110

# Sweetspot

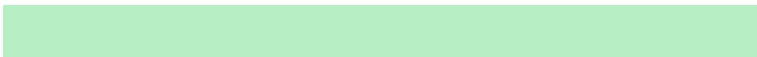
The Sweet Spot groups the original color and five complimentary colors.



213.9240, -29.2050, -4.8610



247.2700, -9.6280, -1.7240



216.7670, -19.2980, -24.7220



122.9500, -5.7310, -0.7630



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

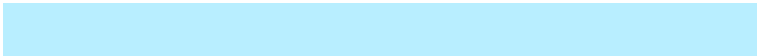


# Same Dimension

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



213.9240, -29.2050, -4.8610



223.7920, -37.6410, -6.1610



198.0750, -21.7800, 9.2600



114.6510, -6.3270, -0.9750



103.1560, -97.5640, -15.9960



31.6250, -29.8010, -5.0730



# Inverse Universe

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



204.2330, 19.2980, 24.7220



211.3850, 24.9820, 31.8460



222.9250, 21.7800, -9.2600



112.6140, 4.2630, 5.3430



70.9760, 64.7240, 82.5480

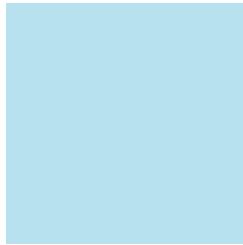


21.6460, 19.5730, 25.2450



# Previews

## White Background



This preview shows how the YIQ color 213.9240, -29.2050, -4.8610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

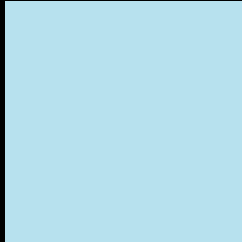
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 213.9240, -29.2050, -4.8610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

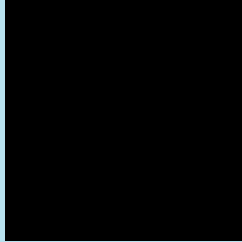
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 213.9240, -29.2050, -4.8610

## Background



This preview shows how black text looks on a background with the YIQ color 213.9240, -29.2050, -4.8610.



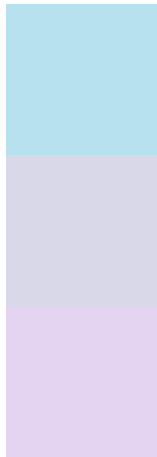
This preview shows how white text looks on a background with the YIQ color 213.9240, -29.2050, -4.8610.

-4.8610.

# 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

213.9240, -29.2050, -4.8610

### Protanopia

218.1230, -4.5400, 5.1880

### Deuteranopia

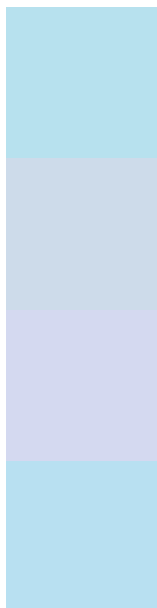
220.0900, 0.2270, 12.4110



## Tritanopia

214.0920, -29.6180, -2.8820

# Trichromacy



## Original Color

213.9240, -29.2050, -4.8610

## Protanomaly

216.5240, -13.1590, 1.6970

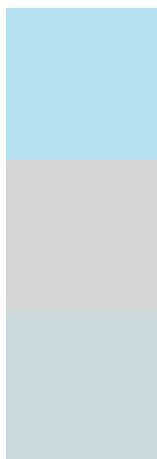
## Deuteranomaly

218.1270, -10.3630, 6.0930

## Tritanomaly

213.9780, -29.2970, -3.1930

# Monochromacy



## Original Color

213.9240, -29.2050, -4.8610

## Achromatopsia

214.0000, -0.0000, 0.0000

## Achromatomaly

214.0850, -10.5450, -1.6250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 213.9240, -29.2050, -4.8610 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(183, 225, 238)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 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(183, 225, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 238) }
```

## Border

The CSS property to change the border of an element to YIQ 213.9240, -29.2050, -4.8610 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(183, 225, 238) }
```



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

```
.border{ border-color:rgb(183, 225, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 225, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 225, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 225, 238); box-shadow:4px 4px 4px 4px rgb(183, 225, 238) }
```

# Background

The CSS property to change the background color of an element to YIQ 213.9240, -29.2050, -4.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 238) }
```

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

```
.background{ background-color: rgb(183,  
225, 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](#).

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