

# Converting Colors

YIQ(223.9070, 2.7140, -49.2060)

Have a look what the booklet for  
YIQ(223.9070, 2.7140, -49.2060)  
contains.

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# Color

**YIQ(223.9070, 2.7140,  
-49.2060)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4FF89
RGB	196, 255, 137
RGB Percent	77%, 100%, 54%
CMY	0.2316, 0.0000, 0.4626
CMYK	0.23, 0.00, 0.46, 0.00
HSL	90°, 100%, 77%
HSV	90°, 46%, 100%
XYZ	63.0280, 85.0553, 36.7721
YIQ	223.9070, 2.7140, -49.2060

# Conversions

## Conversions Part 2

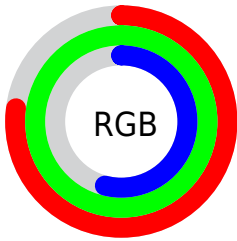
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 255, 196</a>
Decimal	<a href="#">12910473</a>
CIELab	<a href="#">93.91, -37.72, 50.22</a>
CIElCh	<a href="#">94, 62.806, 126.913</a>
Yxy	<a href="#">85.0553, 0.3410, 0.4601</a>
Android (android.graphics.Color)	<a href="#">4291100553 (0xFFC4FF89)</a>
YUV	<a href="#">223.9070, -42.8452, -24.4744</a>
Hunter-Lab	<a href="#">92.2255, -39.4055, 40.9177</a>

# Details

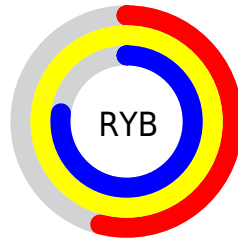
The YIQ color  $223.9070, 2.7140, -49.2060$  is a light color, and the websafe version is hex  $CCFF99$ . A complement of this color would be  $168.0930, -2.7140, 49.2060$ , and the grayscale version is  $224.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $247.5190, 19.6270, -19.8050$ , and  $167.6620, 2.0260, -47.7500$  is the 20% darker color. If you saturate the color by 10%, you get  $217.1700, 2.9910, -59.7370$ , and if you desaturate by 10%, it is  $230.7580, 2.1160, -38.3640$ .

# Distribution



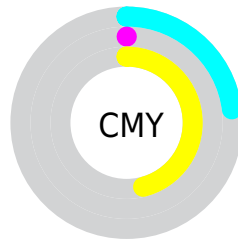
- Red (77%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (77%)



- Cyan (23%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 223.9070, 2.7140, -49.2060 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 223.9070, 2.7140, -49.2060 by changing the saturation by 10% instead.




 223.9070, 2.7140,  
-49.2060


 223.9070, 2.7140,  
-49.2060

255.0000, -0.0000,  
-0.0000


 195.4340, 2.6680,  
-48.3720

 247.5190, 19.6270,  
-19.8050


 167.6620, 2.0260,  
-47.7500


 251.1240, 10.9140,  
-10.5740

 139.8900, 1.3840,  
-47.1280

 254.4300, 1.6050,  
-1.5550

 113.3630, 1.4300,  
-47.9620

 86.6080, 2.1180,  
-49.4180

 63.2620, -8.2910,  
-42.4910

 39.9160, -18.7000,

-35.5640

■ 27.0020, -12.6500,  
-24.0580

■ 12.9140, -6.0500,  
-11.5060

■ 223.9070, 2.7140,  
-49.2060

■ 223.9070, 2.7140,  
-49.2060

■ 217.1700, 2.9910,  
-59.7370

■ 230.7580, 2.1160,  
-38.3640

■ 210.3190, 3.5890,  
-70.5790

■ 237.1960, 1.2430,  
-28.0450

■ 203.8810, 4.4620,  
-80.8980

■ 244.0470, 0.6450,  
-17.2030

■ 197.0300, 5.0600,  
-91.7400

■ 250.7840, 0.3680,  
-6.6720

■ 190.2930, 5.3370, 255.0000, -0.0000,  
-102.2710 -0.0000

■ 187.6580, 5.5670,  
-106.4410

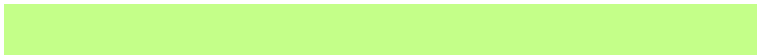
# Harmonies

## Analogous

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



229.4200, 49.9820, -35.7940



223.9070, 2.7140, -49.2060



204.6050, -63.7210, -51.1530

# Triad

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



223.9070, 2.7140, -49.2060



178.7550, -151.9800, -54.0600



211.7780, 28.0090, 26.5450

# Complementary

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



223.9070, 2.7140, -49.2060



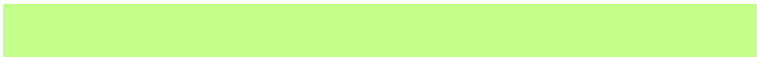
168.0930, -2.7140, 49.2060

# 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.



219.7800, 16.5000, 31.3800



223.9070, 2.7140, -49.2060



217.5020, -51.6240, -11.5600

# Square

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



223.9070, 2.7140, -49.2060



178.7550, -151.9800, -54.0600



232.1070, 10.7250, 20.3970

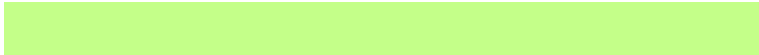


211.0360, 43.8770, 3.2770



# Rectangle

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



223.9070, 2.7140, -49.2060



175.7910, -143.6340, -62.1460



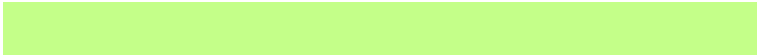
232.1070, 10.7250, 20.3970



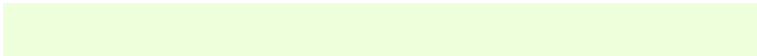
214.0580, 21.5890, 32.7650

# Sweetspot

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



223.9070, 2.7140, -49.2060



245.5140, 0.8280, -15.0120



206.9150, 54.1030, -5.8410



122.2030, 0.5060, -9.1740



0.0000, 0.0000, 0.0000

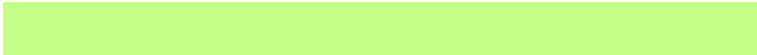


128.0000, -0.0000, -0.0000

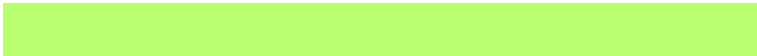


# Same Dimension

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



223.9070, 2.7140, -49.2060



217.4690, 3.5870, -59.5250



206.2660, -32.4500, -61.7140



124.4250, 0.0010, -5.5270



140.8210, 4.6910, -79.5410



47.1360, 1.4720, -26.6880



# Inverse Universe

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



168.0930, -2.7140, 49.2060



149.8300, -2.9910, 59.7370



185.7340, 32.4500, 61.7140



118.2760, -0.5970, 5.3150



50.4780, -4.0950, 79.7530

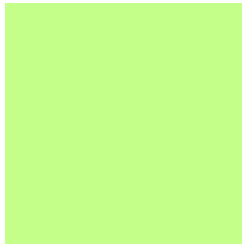


16.8640, -1.4720, 26.6880



# Previews

## White Background



This preview shows how the YIQ color 223.9070, 2.7140, -49.2060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

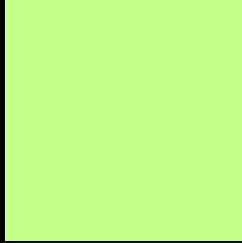
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 223.9070, 2.7140, -49.2060 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

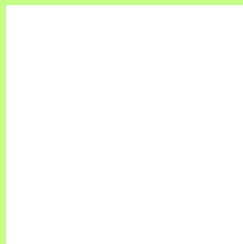
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 223.9070, 2.7140, -49.2060

## Background



This preview shows how black text looks on a background with the YIQ color 223.9070, 2.7140, -49.2060.



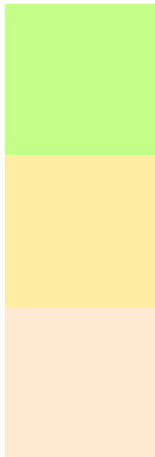
This preview shows how white text looks on a background with the YIQ color 223.9070, 2.7140,

-49.2060.

# 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

223.9070, 2.7140, -49.2060

### Protanopia

233.9460, 34.4820, -19.1980

### Deuteranopia

237.0700, 20.1740, -2.1780



## **Tritanopia**

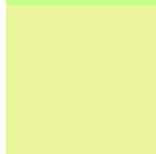
235.4310, -17.3310, 0.2130

# Trichromacy



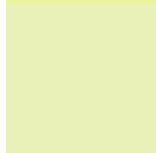
## Original Color

223.9070, 2.7140, -49.2060



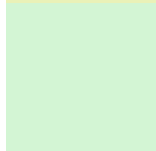
## Protanomaly

230.7500, 22.9300, -30.1100



## Deuteranomaly

232.4090, 14.1250, -19.2110



## Tritanomaly

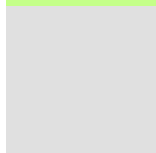
231.0720, -9.6710, -17.4710

# Monochromacy



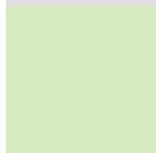
## Original Color

223.9070, 2.7140, -49.2060



## Achromatopsia

224.0000, -0.0000, 0.0000



## Achromatomaly

223.8190, 1.2870, -17.8250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 223.9070, 2.7140, -49.2060 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(196, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 137)  
}
```

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(196, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 137) }
```

## Border

The CSS property to change the border of an element to YIQ 223.9070, 2.7140, -49.2060 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(196, 255, 137) }
```



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

```
.border{ border-color:rgb(196, 255, 137) }
```

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

Here you see how a box with a 4 pixel rgb(196, 255, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
137) }
```

# Background

The CSS property to change the background color of an element to YIQ 223.9070, 2.7140, -49.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 137) }
```

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

```
.background{ background-color: rgb(196,  
255, 137) }
```

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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