

# Converting Colors

YIQ(149.6840, -47.7660,  
-48.4540)

Have a look what the booklet for  
YIQ(149.6840, -47.7660, -48.4540)  
contains.

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# Color

**YIQ(149.6840, -47.7660,  
-48.4540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AC278
RGB	74, 194, 120
RGB Percent	29%, 76%, 47%
CMY	0.7101, 0.2390, 0.5295
CMYK	0.62, 0.00, 0.38, 0.24
HSL	143°, 50%, 53%
HSV	143°, 62%, 76%
XYZ	25.5086, 41.4137, 24.4078
YIQ	149.6840, -47.7660, -48.4540

# Conversions

## Conversions Part 2

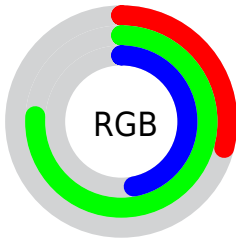
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	74, 161, 194
Decimal	4899448
CIELab	70.46, -50.18, 27.58
CIELCh	70, 57.258, 151.201
Yxy	41.4137, 0.2793, 0.4535
Android (android.graphics.Color)	4283089528 (0xFF4AC278)
YUV	149.6840, -14.6342, -66.3749
Hunter-Lab	64.3535, -41.8642, 22.5601

# Details

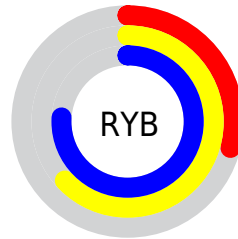
The YIQ color **149.6840, -47.7660, -48.4540** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **118.3160, 47.7660, 48.4540**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **207.1250, -44.6940, -49.0620**, and **89.5730, -60.6950, -50.9270** is the 20% darker color. If you saturate the color by 10%, you get **142.6350, -55.2380, -56.2140**, and if you desaturate by 10%, it is **156.7330, -40.2940, -40.6940**.

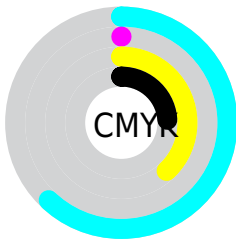
# Distribution



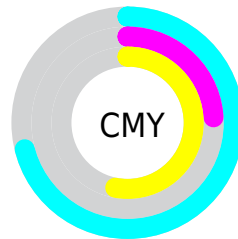
- Red (29%)
- Green (76%)
- Blue (47%)



- Red (29%)
- Yellow (63%)
- Blue (76%)



- Cyan (62%)
- Magenta (0%)
- Yellow (38%)
- Black (24%)



- Cyan (71%)
- Magenta (24%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.6840, -47.7660, -48.4540 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 149.6840, -47.7660, -48.4540 by changing the saturation by 10% instead.



■ 149.6840,  
-47.7660, -48.4540

■ 149.6840,  
-47.7660, -48.4540

■ 255.0000, -0.0000,  
-0.0000

■ 119.9330,  
-52.9010, -49.0050

■ 207.1250,  
-44.6940, -49.0620

■ 89.5730, -60.6950,  
-50.9270

■ 221.2220,  
-37.1770, -36.6090

■ 71.6890, -46.1620,  
-44.4820

■ 233.1990,  
-29.2020, -21.4420

■ 54.3920, -31.9040,  
-38.5600

■ 245.1330,  
-19.6680, -6.9960

■ 36.9810, -17.3250,  
-32.9490

■ 254.1030, -1.7880,  
-0.6360

■ 24.0670, -11.2750,  
-21.4430

■ 1.7610, -0.8250,

-1.5690

■ 0.0000, 0.0000,  
0.0000

■ 149.6840,  
-47.7660, -48.4540

■ 149.6840,  
-47.7660, -48.4540

■ 142.6350,  
-55.2380, -56.2140

■ 156.7330,  
-40.2940, -40.6940

■ 135.2870,  
-63.3060, -64.1860

■ 164.0810,  
-32.2260, -32.7220

■ 128.2380,  
-70.7780, -71.9460

■ 171.1300,  
-24.7540, -24.9620

■ 122.3140,  
-77.1040, -78.4480

■ 178.4780,  
-16.6860, -16.9900

■ 185.5270, -9.2140,  
-9.2300

■ 192.5760, -1.7420,  
-1.4700

■ 199.9240, 6.3260,  
6.5020

■ 206.9730, 13.7980,  
14.2620

■ 214.3210, 21.8660,  
22.2340

# Harmonies

## Analogous

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



161.4400, 11.6990, -41.3330



149.6840, -47.7660, -48.4540



135.9480, -109.9830, -49.7510

# Triad

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



149.6840, -47.7660, -48.4540



153.0020, -90.5980, 0.9380



168.1100, 76.5640, 22.1320

# Complementary

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



149.6840, -47.7660, -48.4540



118.3160, 47.7660, 48.4540

# 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.



169.8150, 62.1180, 41.6540



149.6840, -47.7660, -48.4540



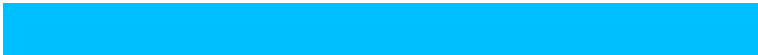
174.7390, -19.8130, 34.1950

# Square

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



149.6840, -47.7660, -48.4540



141.1870, -134.3800, -20.5880



177.0030, 32.5900, 48.1580



169.9300, 76.1100, -2.6900



# Rectangle

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



149.6840, -47.7660, -48.4540



139.9380, -121.2180, -38.8660



177.0030, 32.5900, 48.1580



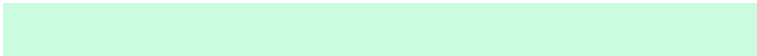
167.7000, 72.2070, 29.5110

# Sweetspot

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



149.6840, -47.7660, -48.4540



234.3420, -19.2990, -19.1950



167.1640, 12.2960, -46.6480



116.8640, -11.7810, -12.2690



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.



149.6840, -47.7660, -48.4540



183.2760, -73.9410, -75.1970



156.2960, -66.3840, -30.4160



93.3260, -4.0340, -3.9860



101.5750, -64.1770, -64.9210



20.8530, -13.2480, -13.2160



# Inverse Universe

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



118.3160, 47.7660, 48.4540



134.7240, 73.9410, 75.1970



111.7040, 66.3840, 30.4160



90.6740, 4.0340, 3.9860



59.4250, 64.1770, 64.9210



12.1470, 13.2480, 13.2160



# Previews

## White Background



This preview shows how the YIQ color 149.6840, -47.7660, -48.4540 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 149.6840, -47.7660, -48.4540 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 149.6840, -47.7660, -48.4540 Background



This preview shows how black text looks on a background with the YIQ color 149.6840, -47.7660, -48.4540.



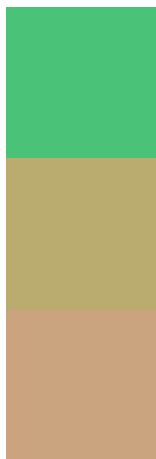
This preview shows how white text looks on a background with the YIQ color 149.6840, -47.7660, -48.4540.

-48.4540.

# 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

149.6840, -47.7660, -48.4540

### Protanopia

168.6450, 28.2000, -15.4800

### Deuteranopia

171.1440, 34.5250, -3.4510



## Tritanopia

159.9960, -56.0710, -13.5670

# Trichromacy



## Original Color

149.6840, -47.7660, -48.4540



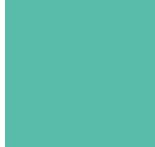
## Protanomaly

161.4240, 0.6010, -27.4230



## Deuteranomaly

163.2060, 4.4510, -20.1010



## Tritanomaly

156.3470, -53.2260, -26.5860

# Monochromacy



## Original Color

149.6840, -47.7660, -48.4540



## Achromatopsia

150.0000, -0.0000, -0.0000



## Achromatomaly

149.7660, -17.5570, -17.7250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.6840, -47.7660, -48.4540 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(74, 194, 120)` looks like.

```
.text, #text, p{  
    color:rgb(74, 194, 120)  
}
```

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(74, 194, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 194, 120) }
```

## Border

The CSS property to change the border of an element to YIQ 149.6840, -47.7660, -48.4540 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(74, 194, 120) }
```



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

```
.border{ border-color:rgb(74, 194, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 194, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 194, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 194, 120);  
box-shadow:4px 4px 4px 4px rgb(74, 194,  
120) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.6840, -47.7660, -48.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 194, 120) }
```

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

```
.background{ background-color: rgb(74, 194,  
120) }
```

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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