

# Converting Colors

YIQ(154.7400, -59.3670,  
-41.9510)

Have a look what the booklet for  
YIQ(154.7400, -59.3670, -41.9510)  
contains.

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# Color

**YIQ(154.7400, -59.3670,  
-41.9510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48C695
RGB	72, 198, 149
RGB Percent	28%, 78%, 58%
CMY	0.7180, 0.2233, 0.4159
CMYK	0.64, 0.00, 0.25, 0.22
HSL	157°, 53%, 53%
HSV	157°, 64%, 78%
XYZ	28.2932, 43.9551, 35.4057
YIQ	154.7400, -59.3670, -41.9510

# Conversions

## Conversions Part 2

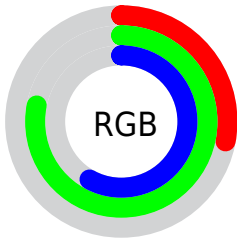
Format	Color
<b>RYB</b>	72, 150, 198
Decimal	4769429
CIELab	72.20, -46.32, 14.54
CIELCh	72, 48.543, 162.577
Yxy	43.9551, 0.2628, 0.4083
Android (android.graphics.Color)	4282959509 (0xFF48C695)
YUV	154.7400, -2.8298, -72.5630
Hunter-Lab	66.2987, -39.8472, 14.7463

# Details

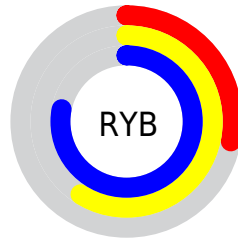
The YIQ color **154.7400, -59.3670, -41.9510** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **115.2600, 59.3670, 41.9510**, and the grayscale version is **155.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **212.5940, -56.0200, -42.0360**, and **95.1130, -70.7830, -44.3110** is the 20% darker color. If you saturate the color by 10%, you get **147.8480, -68.7190, -48.6790**, and if you desaturate by 10%, it is **161.6320, -50.0150, -35.2230**.

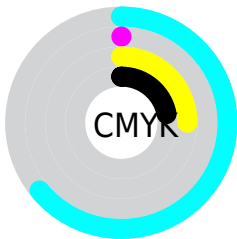
# Distribution



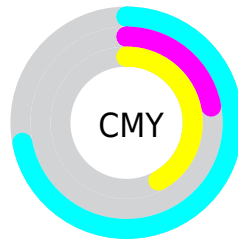
- Red (28%)
- Green (78%)
- Blue (58%)



- Red (28%)
- Yellow (59%)
- Blue (78%)



- Cyan (64%)
- Magenta (0%)
- Yellow (25%)
- Black (22%)



- Cyan (72%)
- Magenta (22%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 154.7400, -59.3670, -41.9510 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 154.7400, -59.3670, -41.9510 by changing the saturation by 10% instead.



■ 154.7400,  
-59.3670, -41.9510

■ 154.7400,  
-59.3670, -41.9510

■ 255.0000, -0.0000,  
-0.0000

■ 124.2770,  
-65.3730, -43.2370

■ 212.5940,  
-56.0200, -42.0360

■ 95.1130, -70.7830,  
-44.3110

■ 224.4570,  
-47.7240, -27.1800

■ 77.1150, -55.9290,  
-38.1770

■ 236.1630,  
-37.5480, -13.3560

■ 59.2310, -41.3960,  
-31.7320

■ 244.8340,  
-20.2640, -7.2080

■ 42.7490, -28.0550,  
-25.7110

■ 254.1030, -1.7880,  
-0.6360

■ 26.5120, -14.0260,  
-21.1460

■ 8.2180, -3.8500,

-7.3220

■ 0.0000, 0.0000,  
0.0000

■ 154.7400,  
-59.3670, -41.9510

■ 154.7400,  
-59.3670, -41.9510

■ 147.8480,  
-68.7190, -48.6790

■ 161.6320,  
-50.0150, -35.2230

■ 141.0700,  
-78.3920, -55.0960

■ 168.4100,  
-40.3420, -28.8060

■ 134.4770,  
-87.1480, -61.6120

■ 175.0030,  
-31.5860, -22.2900

■ 130.0200,  
-93.2910, -65.9230

■ 181.8950,  
-22.2340, -15.5620

■ 188.7870,  
-12.8820, -8.8340

■ 195.5650, -3.2090,  
-2.4170

■ 202.4570, 6.1430,  
4.3110

■ 209.0500, 14.8990,  
10.8270

■ 215.8280, 24.5720,  
17.2440

# Harmonies

## Analogous

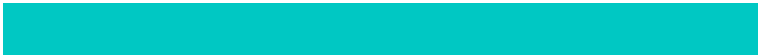
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



166.2070, -6.4580, -37.1620



154.7400, -59.3670, -41.9510



139.6300, -117.5950, -43.9550

# Triad

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



154.7400, -59.3670, -41.9510



173.0570, -47.7320, 17.0360



177.2630, 71.3390, 12.1950

# Complementary

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



154.7400, -59.3670, -41.9510



115.2600, 59.3670, 41.9510

# 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.



177.2520, 61.8450, 30.0770



154.7400, -59.3670, -41.9510



181.7430, 0.7270, 36.3990

# Square

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



154.7400, -59.3670, -41.9510



140.0130, -133.8300, -19.5420



181.4520, 41.2110, 40.5950



174.9170, 59.7890, -9.7710



# Rectangle

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



154.7400, -59.3670, -41.9510



142.2350, -126.3080, -34.7240



181.4520, 41.2110, 40.5950



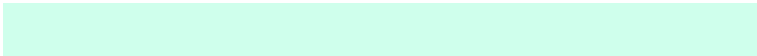
176.9950, 69.4580, 18.7540

# Sweetspot

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



154.7400, -59.3670, -41.9510



238.4820, -22.5090, -16.0850



160.9120, -4.8500, -55.2980



117.6620, -14.0280, -10.0920



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.



154.7400, -59.3670, -41.9510



188.4440, -91.5490, -64.4530



152.6950, -71.5210, -19.9130



95.9670, -4.4010, -2.8410



107.0810, -76.9250, -54.1490



23.6400, -16.9620, -11.9860



# Inverse Universe

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



115.2600, 59.3670, 41.9510



127.6700, 91.2280, 64.7640



117.3050, 71.5210, 19.9130



93.0330, 4.4010, 2.8410



56.0330, 76.6040, 54.4600

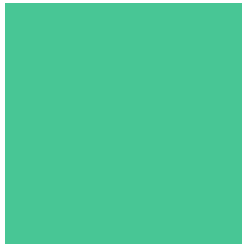


12.3600, 16.9620, 11.9860



# Previews

## White Background



This preview shows how the YIQ color 154.7400, -59.3670, -41.9510 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 154.7400, -59.3670, -41.9510 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 154.7400, -59.3670, -41.9510 Background



This preview shows how black text looks on a background with the YIQ color 154.7400, -59.3670, -41.9510.



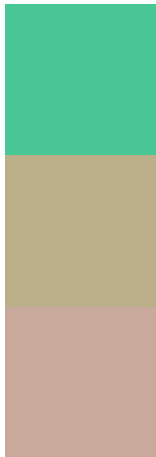
This preview shows how white text looks on a background with the YIQ color 154.7400, -59.3670, -41.9510.

-41.9510.

# 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

154.7400, -59.3670, -41.9510

### Protanopia

174.3700, 19.0290, -8.9630

### Deuteranopia

176.6730, 22.9700, 2.2180



## Tritanopia

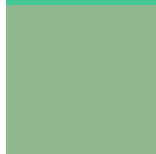
163.4080, -63.2230, -16.1110

# Trichromacy



## Original Color

154.7400, -59.3670, -41.9510



## Protanomaly

166.9640, -9.4870, -20.8070



## Deuteranomaly

168.8490, -7.4250, -14.1210



## Tritanomaly

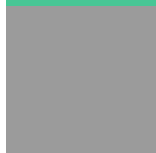
160.3830, -62.0750, -25.9070

# Monochromacy



## Original Color

154.7400, -59.3670, -41.9510



## Achromatopsia

155.0000, -0.0000, 0.0000



## Achromatomaly

155.1940, -21.6380, -15.3500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 154.7400, -59.3670, -41.9510 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(72, 198, 149)` looks like.

```
.text, #text, p{  
    color:rgb(72, 198, 149)  
}
```

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(72, 198, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 198, 149) }
```

## Border

The CSS property to change the border of an element to YIQ 154.7400, -59.3670, -41.9510 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(72, 198, 149) }
```



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

```
.border{ border-color:rgb(72, 198, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 198, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 198, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 198, 149);  
box-shadow:4px 4px 4px 4px rgb(72, 198,  
149) }
```

# Background

The CSS property to change the background color of an element to YIQ 154.7400, -59.3670, -41.9510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 198, 149) }
```

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

```
.background{ background-color: rgb(72, 198,  
149) }
```

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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