

# Converting Colors

YIQ(92.9550, -49.9670,  
-47.1110)

Have a look what the booklet for  
YIQ(92.9550, -49.9670, -47.1110)  
contains.

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# Color

**YIQ(92.9550, -49.9670,  
-47.1110)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	108944
RGB	16, 137, 68
RGB Percent	6%, 54%, 27%
CMY	0.9376, 0.4625, 0.7335
CMYK	0.88, 0.00, 0.50, 0.46
HSL	146°, 79%, 30%
HSV	146°, 88%, 54%
XYZ	10.2074, 18.4321, 8.4827
YIQ	92.9550, -49.9670, -47.1110

# Conversions

## Conversions Part 2

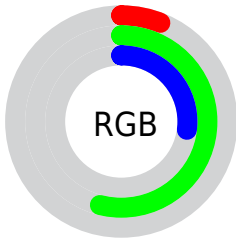
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 101, 137
Decimal	1083716
CIELab	50.02, -46.89, 28.40
CIELCh	50, 54.820, 148.796
Yxy	18.4321, 0.2750, 0.4965
Android (android.graphics.Color)	4279273796 (0xFF108944)
YUV	92.9550, -12.3028, -67.4895
Hunter-Lab	42.9326, -32.6930, 18.3382

# Details

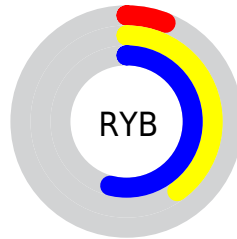
The YIQ color **92.9550, -49.9670, -47.1110** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **60.0450, 49.9670, 47.1110**, and the grayscale version is **93.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.1690, -38.8260, -45.2740**, and **52.9900, -30.7120, -38.1360** is the 20% darker color. If you saturate the color by 10%, you get **87.8570, -55.7430, -52.5670**, and if you desaturate by 10%, it is **98.0530, -44.1910, -41.6550**.

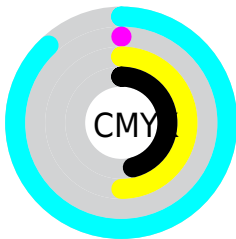
# Distribution



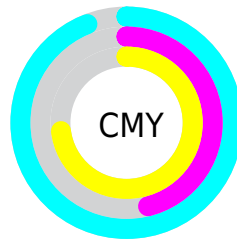
- Red (6%)
- Green (54%)
- Blue (27%)



- Red (6%)
- Yellow (40%)
- Blue (54%)



- Cyan (88%)
- Magenta (0%)
- Yellow (50%)
- Black (46%)




- Cyan (94%)
- Magenta (46%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 92.9550, -49.9670, -47.1110 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 92.9550, -49.9670, -47.1110 by changing the saturation by 10% instead.





 92.9550, -49.9670,  
-47.1110

 92.9550, -49.9670,  
-47.1110


255.0000, -0.0000,  
-0.0000

 70.2870, -44.9700,  
-44.0580


 151.7560,  
-39.1010, -45.7970


 52.8760, -30.3910,  
-38.4470


 179.8270,  
-37.8630, -46.2070

 35.8070, -16.7750,  
-31.9030

 208.3000,  
-37.8170, -47.0410

 23.4800, -11.0000,  
-20.9200

 223.6850,  
-31.1710, -35.3230

 0.0000, 0.0000,  
0.0000

 235.5480,  
-22.8750, -20.4670

 247.5250,

-14.9000, -5.3000

■ 92.9550, -49.9670,  
-47.1110

■ 92.9550, -49.9670,  
-47.1110

■ 87.8570, -55.7430,  
-52.5670

■ 98.0530, -44.1910,  
-41.6550

■ 87.1450, -56.6140,  
-53.3020

■ 102.8520,  
-39.0110, -36.4110

■ 107.8360,  
-32.9140, -31.2660

■ 112.9340,  
-27.1380, -25.8100

■ 117.7330,  
-21.9580, -20.5660

■ 122.8310,  
-16.1820, -15.1100

■ 127.9290,  
-10.4060, -9.6540

■ 132.9130, -4.3090,  
-4.5090

■ 137.7120, 0.8710,  
0.7350

# Harmonies

## Analogous

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



107.9890, 14.5870, -38.6050



92.9550, -49.9670, -47.1110



95.9910, -76.0110, -37.6670

# Triad

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



92.9550, -49.9670, -47.1110



97.5430, -102.4270, 0.5570



114.9510, 72.7580, 25.0300

# Complementary

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



92.9550, -49.9670, -47.1110



60.0450, 49.9670, 47.1110

# 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.



116.6730, 59.6420, 42.4740



92.9550, -49.9670, -47.1110



119.8090, -26.0020, 30.7180

# Square

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



92.9550, -49.9670, -47.1110



102.4040, -100.9580, -9.5500



121.3610, 25.5300, 43.9460



115.2650, 67.8570, -1.7990



# Rectangle

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



92.9550, -49.9670, -47.1110



99.6390, -86.2830, -27.7150



121.3610, 25.5300, 43.9460



115.2100, 70.8310, 32.4230

# Sweetspot

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



92.9550, -49.9670, -47.1110



161.1570, -20.2160, -19.0960



108.2560, 9.0410, -48.2310



78.8040, -11.5520, -10.9120



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



92.9550, -49.9670, -47.1110



113.8510, -73.9420, -69.6700



99.6810, -68.9060, -28.7620



66.4510, -2.8880, -2.7280



84.5690, -54.8720, -51.8320



3.1630, -2.0170, -1.9930



# Inverse Universe

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



60.0450, 49.9670, 47.1110



65.1490, 73.9420, 69.6700



53.3190, 68.9060, 28.7620



64.5490, 2.8880, 2.7280



48.4310, 54.8720, 51.8320



1.8370, 2.0170, 1.9930



# Previews

## White Background



This preview shows how the YIQ color 92.9550, -49.9670, -47.1110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

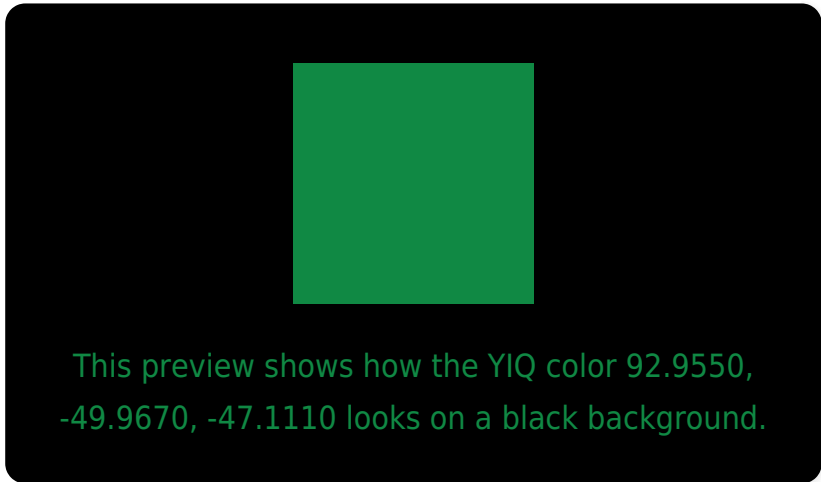
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# 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 × Fail

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

# YIQ 92.9550, -49.9670, -47.1110

## Background



This preview shows how black text looks on a background with the YIQ color 92.9550, -49.9670, -47.1110.



This preview shows how white text looks on a background with the YIQ color 92.9550, -49.9670,

-47.1110.

# 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

92.9550, -49.9670, -47.1110

### Protanopia

115.5030, 25.7240, -14.6600

### Deuteranopia

117.5240, 30.3990, -5.7690



## Tritanopia

107.8290, -48.2310, -12.4790

# Trichromacy



## Original Color

92.9550, -49.9670, -47.1110



## Protanomaly

107.2820, -1.8750, -26.6030



## Deuteranomaly

108.8250, 1.1500, -20.8500



## Tritanomaly

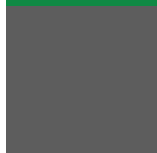
102.4400, -49.0540, -25.1020

# Monochromacy



## Original Color

92.9550, -49.9670, -47.1110



## Achromatopsia

93.0000, -0.0000, -0.0000



## Achromatomaly

92.9940, -18.1990, -17.1030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 92.9550, -49.9670, -47.1110 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(16, 137, 68)` looks like.

```
.text, #text, p{  
    color:rgb(16, 137, 68)  
}
```

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(16, 137, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 137, 68) }
```

## Border

The CSS property to change the border of an element to YIQ 92.9550, -49.9670, -47.1110 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(16, 137, 68) }
```



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

```
.border{ border-color:rgb(16, 137, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 137, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 137, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 137, 68);  
box-shadow:4px 4px 4px 4px rgb(16, 137,  
68) }
```

# Background

The CSS property to change the background color of an element to YIQ 92.9550, -49.9670, -47.1110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 137, 68) }
```

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

```
.background{ background-color: rgb(16, 137,  
68) }
```

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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