

# Converting Colors

YIQ(126.6250, -49.2780,  
-54.0940)

Have a look what the booklet for  
YIQ(126.6250, -49.2780, -54.0940)  
contains.

<b>YIQ(126.6250, -49.2780, -54.0940)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(126.6250, -49.2780,  
-54.0940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EAF59
RGB	46, 175, 89
RGB Percent	18%, 69%, 35%
CMY	0.8200, 0.3135, 0.6511
CMYK	0.74, 0.00, 0.49, 0.31
HSL	140°, 58%, 43%
HSV	140°, 74%, 69%
XYZ	18.2649, 31.9804, 14.6541
YIQ	126.6250, -49.2780, -54.0940

# Conversions

## Conversions Part 2

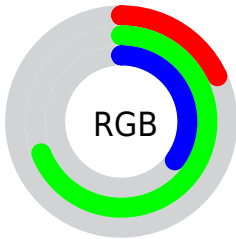
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">46, 143, 175</a>
Decimal	<a href="#">3059545</a>
CIELab	<a href="#">63.33, -53.39, 34.28</a>
CIELCh	<a href="#">63, 63.448, 147.300</a>
Yxy	<a href="#">31.9804, 0.2814, 0.4928</a>
Android (android.graphics.Color)	<a href="#">4281249625 (0xFF2EAF59)</a>
YUV	<a href="#">126.6250, -18.5491, -70.7081</a>
Hunter-Lab	<a href="#">56.5512, -41.3129, 24.2220</a>

# Details

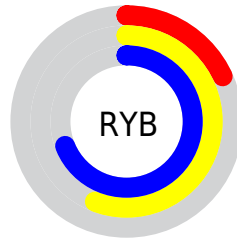
The YIQ color **126.6250, -49.2780, -54.0940** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **94.3750, 49.2780, 54.0940**, and the grayscale version is **127.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **185.0340, -43.1800, -54.4760**, and **75.5870, -46.1150, -50.8430** is the 20% darker color. If you saturate the color by 10%, you get **119.8750, -56.1540, -61.6420**, and if you desaturate by 10%, it is **133.0760, -42.9980, -46.7580**.

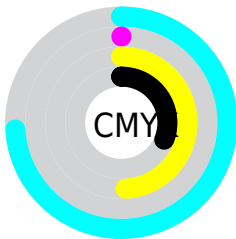
# Distribution



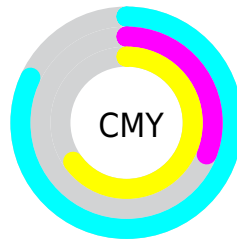
- Red (18%)
- Green (69%)
- Blue (35%)



- Red (18%)
- Yellow (56%)
- Blue (69%)



- Cyan (74%)
- Magenta (0%)
- Yellow (49%)
- Black (31%)



- Cyan (82%)
- Magenta (31%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 126.6250, -49.2780, -54.0940 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 126.6250, -49.2780, -54.0940 by changing the saturation by 10% instead.



■ 126.6250,  
-49.2780, -54.0940

■ 126.6250,  
-49.2780, -54.0940

■ 255.0000, -0.0000,  
-0.0000

■ 94.1720, -61.2440,  
-57.5000

■ 185.0340,  
-43.1800, -54.4760

■ 75.5870, -46.1150,  
-50.8430

■ 210.5830,  
-40.2920, -51.7480

■ 57.4750, -30.9400,  
-45.0200

■ 222.4460,  
-31.9960, -36.8920

■ 41.0900, -19.2500,  
-36.6100

■ 234.6080,  
-23.1040, -21.8240

■ 28.1760, -13.2000,  
-25.1040

■ 246.8840,  
-14.5330, -6.4450

■ 11.7400, -5.5000,  
-10.4600

■ 0.0000, 0.0000,

0.0000

■ 126.6250,  
-49.2780, -54.0940

■ 126.6250,  
-49.2780, -54.0940

■ 119.8750,  
-56.1540, -61.6420

■ 133.0760,  
-42.9980, -46.7580

■ 113.5380,  
-62.7550, -68.6670

■ 139.7120,  
-35.8010, -39.5210

■ 109.3370,  
-66.7430, -73.4870

■ 146.1630,  
-29.5210, -32.1850

■ 152.9130,  
-22.6450, -24.6370

■ 159.2500,  
-16.0440, -17.6120

■ 166.0000, -9.1680,  
-10.0640

■ 172.4510, -2.8880,  
-2.7280

■ 179.0870, 4.3090,  
4.5090

■ 185.5380, 10.5890,  
11.8450

# Harmonies

## Analogous

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



140.6980, 19.5400, -45.7720



126.6250, -49.2780, -54.0940



122.3040, -96.3660, -48.7340

# Triad

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



126.6250, -49.2780, -54.0940



123.5770, -126.1300, -4.8980



149.2520, 88.2080, 31.3760

# Complementary

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



126.6250, -49.2780, -54.0940



94.3750, 49.2780, 54.0940

# 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.



151.5160, 70.6900, 51.5060



126.6250, -49.2780, -54.0940



154.7790, -34.4850, 35.7790

# Square

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



126.6250, -49.2780, -54.0940



130.4100, -127.4580, -13.8740



156.8980, 28.6920, 52.7240



149.5180, 83.2620, -0.1460



# Rectangle

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



126.6250, -49.2780, -54.0940



126.7500, -108.8850, -36.6050



156.8980, 28.6920, 52.7240



148.9670, 84.9970, 40.0130

# Sweetspot

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



126.6250, -49.2780, -54.0940



208.2880, -19.2070, -20.8630



147.4370, 15.7810, -49.2350



103.7500, -11.4600, -12.5800



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



126.6250, -49.2780, -54.0940



151.2120, -77.0570, -84.8090



134.0350, -70.1430, -33.8790



83.6250, -3.4380, -3.7740



93.7500, -57.3000, -62.9000



14.4130, -8.8930, -9.5410



# Inverse Universe

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



94.3750, 49.2780, 54.0940



100.7880, 77.0570, 84.8090



86.9650, 70.1430, 33.8790



81.3750, 3.4380, 3.7740



56.2500, 57.3000, 62.9000



8.5870, 8.8930, 9.5410



# Previews

## White Background



This preview shows how the YIQ color 126.6250, -49.2780, -54.0940 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 126.6250, -49.2780, -54.0940 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 126.6250, -49.2780, -54.0940 Background



This preview shows how black text looks on a background with the YIQ color 126.6250, -49.2780, -54.0940.



This preview shows how white text looks on a background with the YIQ color 126.6250, -49.2780, -54.0940.

-54.0940.

# 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

126.6250, -49.2780, -54.0940

### Protanopia

148.6900, 32.3270, -18.6890

### Deuteranopia

150.7760, 38.3770, -7.1830



## Tritanopia

140.8820, -55.7500, -13.8780

# Trichromacy



## Original Color

126.6250, -49.2780, -54.0940



## Protanomaly

140.5720, 2.9400, -31.2680



## Deuteranomaly

141.9410, 6.5150, -24.4690



## Tritanomaly

135.8800, -53.4090, -28.7770

# Monochromacy



## Original Color

126.6250, -49.2780, -54.0940



## Achromatopsia

127.0000, -0.0000, -0.0000



## Achromatomaly

126.7120, -17.4650, -19.3930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 126.6250, -49.2780, -54.0940 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(46, 175, 89)` looks like.

```
.text, #text, p{  
    color:rgb(46, 175, 89)  
}
```

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(46, 175, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 175, 89) }
```

## Border

The CSS property to change the border of an element to YIQ 126.6250, -49.2780, -54.0940 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(46, 175, 89) }
```



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

```
.border{ border-color:rgb(46, 175, 89) }
```

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

Here you see how a box with a 4 pixel rgb(46, 175, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 175, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 175, 89);  
box-shadow:4px 4px 4px 4px rgb(46, 175,  
89) }
```

# Background

The CSS property to change the background color of an element to YIQ 126.6250, -49.2780, -54.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 175, 89) }
```

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

```
.background{ background-color: rgb(46, 175,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor