

# Converting Colors

YIQ(120.9140, -33.5540,  
-41.6980)

Have a look what the booklet for  
YIQ(120.9140, -33.5540, -41.6980)  
contains.

<b>YIQ(120.9140, -33.5540, -41.6980)</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(120.9140, -33.5540,  
-41.6980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3F9D57
RGB	63, 157, 87
RGB Percent	25%, 62%, 34%
CMY	0.7532, 0.3841, 0.6589
CMYK	0.60, 0.00, 0.45, 0.38
HSL	135°, 43%, 43%
HSV	135°, 60%, 62%
XYZ	15.8287, 25.8696, 13.1716
YIQ	120.9140, -33.5540, -41.6980

# Conversions

## Conversions Part 2

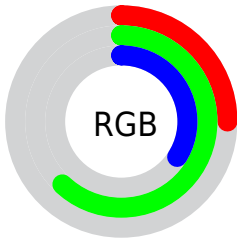
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 138, 157
Decimal	4169047
CIELab	57.91, -43.50, 28.52
CIELCh	58, 52.019, 146.749
Yxy	25.8696, 0.2885, 0.4715
Android (android.graphics.Color)	4282359127 (0xFF3F9D57)
YUV	120.9140, -16.7196, -50.7906
Hunter-Lab	50.8621, -33.4583, 20.2494

# Details

The YIQ color **120.9140, -33.5540, -41.6980** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **99.0860, 33.5540, 41.6980**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **175.7570, -31.6740, -42.7300**, and **66.1950, -41.7150, -42.4750** is the 20% darker color. If you saturate the color by 10%, you get **114.7620, -39.2380, -48.8220**, and if you desaturate by 10%, it is **127.0660, -27.8700, -34.5740**.

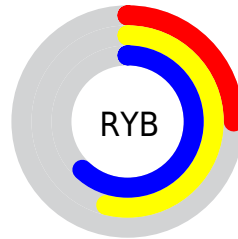
# Distribution



Red (25%)

Green (62%)

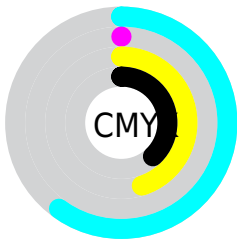
Blue (34%)



Red (25%)

Yellow (54%)

Blue (62%)

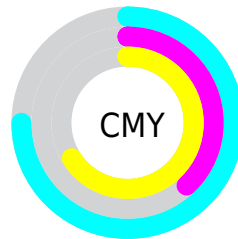


Cyan (60%)

Magenta (0%)

Yellow (45%)

Black (38%)



Cyan (75%)

Magenta (38%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.9140, -33.5540, -41.6980 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 120.9140, -33.5540, -41.6980 by changing the saturation by 10% instead.



■ 120.9140,  
-33.5540, -41.6980

■ 120.9140,  
-33.5540, -41.6980

■ 255.0000, -0.0000,  
-0.0000

■ 92.7610, -37.4970,  
-41.8250

■ 175.7570,  
-31.6740, -42.7300

■ 66.1950, -41.7150,  
-42.4750

■ 204.1160,  
-31.3070, -43.8750

■ 48.7840, -27.1360,  
-36.8640

■ 223.8980,  
-27.4570, -36.5530

■ 32.8720, -15.4000,  
-29.2880

■ 235.7610,  
-19.1610, -21.6970

■ 20.5450, -9.6250,  
-18.3050

■ 247.6240,  
-10.8650, -6.8410

■ 0.0000, 0.0000,  
0.0000

■ 120.9140,  
-33.5540, -41.6980

■ 120.9140,  
-33.5540, -41.6980

■ 114.7620,  
-39.2380, -48.8220

■ 127.0660,  
-27.8700, -34.5740

■ 109.0230,  
-44.6470, -55.4230

■ 132.8050,  
-22.4610, -27.9730

■ 102.8710,  
-50.3310, -62.5470

■ 138.9570,  
-16.7770, -20.8490

■ 96.7190, -56.0150,  
-69.6710

■ 145.1090,  
-11.0930, -13.7250

■ 150.8480, -5.6840,  
-7.1240

■ 157.0000, 0.0000,  
-0.0000

■ 163.1520, 5.6840,  
7.1240

■ 169.3040, 11.3680,

14.2480

■ 175.0430, 16.7770,  
20.8490

# Harmonies

## Analogous

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



130.4670, 16.2370, -35.4670



120.9140, -33.5540, -41.6980



109.6690, -86.9680, -42.8400

# Triad

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



120.9140, -33.5540, -41.6980



111.9220, -113.9800, -4.8280



137.4670, 71.2450, 24.9170

# Complementary

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



120.9140, -33.5540, -41.6980



99.0860, 33.5540, 41.6980

# 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.



139.6510, 56.7080, 40.5800



120.9140, -33.5540, -41.6980



140.3850, -27.7440, 29.2480

# Square

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



120.9140, -33.5540, -41.6980



116.0820, -111.9150, -14.7230



143.0400, 22.0000, 41.8400



136.8460, 67.7190, 0.7030



# Rectangle

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



120.9140, -33.5540, -41.6980



113.2030, -96.9190, -33.1990



143.0400, 22.0000, 41.8400



137.9000, 68.7680, 31.2640

# Sweetspot

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



120.9140, -33.5540, -41.6980



189.8590, -13.3850, -16.2410



139.4070, 16.4660, -34.1100



93.4840, -7.6550, -9.9510



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



120.9140, -33.5540, -41.6980



147.6210, -52.6230, -65.0630



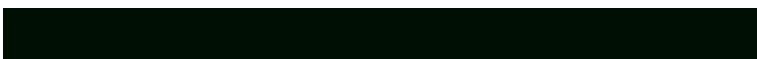
126.2720, -48.6410, -27.0810



75.9240, -2.8420, -3.5620



88.0450, -50.8810, -63.5930



9.2610, -5.4090, -6.6010



# Inverse Universe

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



99.0860, 33.5540, 41.6980



113.3790, 52.6230, 65.0630



93.7280, 48.6410, 27.0810



74.0760, 2.8420, 3.5620



54.8410, 51.2020, 63.2820



5.7390, 5.4090, 6.6010



# Previews

## White Background



This preview shows how the YIQ color 120.9140, -33.5540, -41.6980 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



This preview shows how the YIQ color 120.9140, -33.5540, -41.6980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

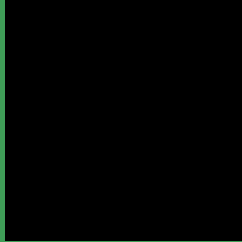
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.9140, -33.5540, -41.6980 Background



This preview shows how black text looks on a background with the YIQ color 120.9140, -33.5540, -41.6980.



This preview shows how white text looks on a background with the YIQ color 120.9140, -33.5540, -41.6980.

-41.6980.

# 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

120.9140, -33.5540, -41.6980

### Protanopia

135.5740, 26.9620, -15.0700

### Deuteranopia

137.7200, 32.7830, -4.9210



## Tritanopia

130.6340, -43.1880, -10.2600

# Trichromacy



## Original Color

120.9140, -33.5540, -41.6980

## Protanomaly

130.4570, 5.0020, -24.5820

## Deuteranomaly

131.7120, 8.8980, -18.0940

## Tritanomaly

127.2240, -39.5180, -21.7100

# Monochromacy



## Original Color

120.9140, -33.5540, -41.6980

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

120.9840, -12.2390, -14.9830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.9140, -33.5540, -41.6980 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(63, 157, 87)` looks like.

```
.text, #text, p{  
    color:rgb(63, 157, 87)  
}
```

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(63, 157, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 157, 87) }
```

## Border

The CSS property to change the border of an element to YIQ 120.9140, -33.5540, -41.6980 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(63, 157, 87) }
```



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

```
.border{ border-color:rgb(63, 157, 87) }
```

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

Here you see how a box with a 4 pixel rgb(63, 157, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 157, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 157, 87);  
box-shadow:4px 4px 4px 4px rgb(63, 157,  
87) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.9140, -33.5540, -41.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 157, 87) }
```

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

```
.background{ background-color: rgb(63, 157,  
87) }
```

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