

# Converting Colors

YIQ(97.4370, -27.7770,  
-41.7690)

Have a look what the booklet for  
YIQ(97.4370, -27.7770, -41.7690)  
contains.

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# Color

**YIQ(97.4370, -27.7770,  
-41.7690)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D8439
RGB	45, 132, 57
RGB Percent	18%, 52%, 22%
CMY	0.8238, 0.4822, 0.7765
CMYK	0.66, 0.00, 0.57, 0.48
HSL	128°, 49%, 35%
HSV	128°, 66%, 52%
XYZ	10.0737, 17.3641, 6.6898
YIQ	97.4370, -27.7770, -41.7690

# Conversions

## Conversions Part 2

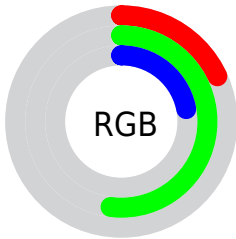
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 121, 132
Decimal	2982969
CIE <sub>Lab</sub>	48.72, -42.32, 32.66
CIE <sub>LCh</sub>	49, 53.461, 142.345
Yxy	17.3641, 0.2952, 0.5088
Android (android.graphics.Color)	4281173049 (0xFF2D8439)
YUV	97.4370, -19.9354, -45.9872
Hunter-Lab	41.6702, -29.7708, 19.6506

# Details

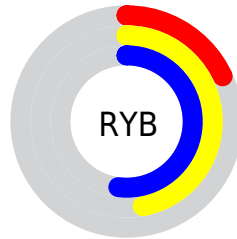
The YIQ color **97.4370, -27.7770, -41.7690** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **79.5630, 27.7770, 41.7690**, and the grayscale version is **98.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.4650, -24.9800, -42.9000**, and **48.4590, -24.8430, -39.8750** is the 20% darker color. If you saturate the color by 10%, you get **92.2960, -31.9940, -47.9460**, and if you desaturate by 10%, it is **102.5780, -23.5600, -35.5920**.

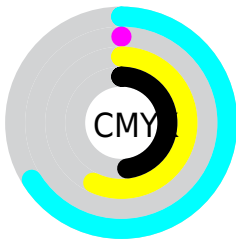
# Distribution



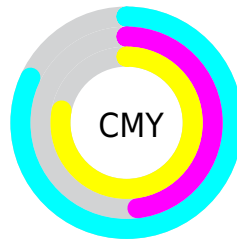
- Red (18%)
- Green (52%)
- Blue (22%)



- Red (18%)
- Yellow (47%)
- Blue (52%)



- Cyan (66%)
- Magenta (0%)
- Yellow (57%)
- Black (48%)



- Cyan (82%)
- Magenta (48%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 97.4370, -27.7770, -41.7690 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 97.4370, -27.7770, -41.7690 by changing the saturation by 10% instead.



■ 97.4370, -27.7770,  
-41.7690

■ 97.4370, -27.7770,  
-41.7690

■ 255.0000, -0.0000,  
-0.0000

■ 67.1800, -37.3590,  
-44.3270

■ 151.4650,  
-24.9800, -42.9000

■ 48.4590, -24.8430,  
-39.8750

■ 179.2370,  
-24.3380, -43.5220

■ 33.4590, -15.6750,  
-29.8110

■ 207.5960,  
-23.9710, -44.6670

■ 21.7190, -10.1750,  
-19.3510

■ 226.2040,  
-19.5710, -36.2990

■ 0.0000, 0.0000,  
0.0000

■ 238.0670,  
-11.2750, -21.4430

■ 249.9300, -2.9790,

-6.5870

■ 97.4370, -27.7770,  
-41.7690

■ 97.4370, -27.7770,  
-41.7690

■ 92.2960, -31.9940,  
-47.9460

■ 102.5780,  
-23.5600, -35.5920

■ 87.0410, -35.8900,  
-54.4340

■ 107.8330,  
-19.6640, -29.1040

■ 81.6010, -40.7030,  
-60.8230

■ 113.2730,  
-14.8510, -22.7150

■ 79.5360, -42.0780,  
-63.4380

■ 118.4140,  
-10.6340, -16.5380

■ 123.6690, -6.7380,  
-10.0500

■ 128.8100, -2.5210,  
-3.8730

■ 134.0650, 1.3750,  
2.6150

■ 139.5050, 6.1880,  
9.0040

■ 144.6460, 10.4050,  
15.1810

# Harmonies

## Analogous

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



106.0610, 23.2520, -35.9480



97.4370, -27.7770, -41.7690



91.4600, -70.1420, -39.4060

# Triad

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



97.4370, -27.7770, -41.7690



96.2720, -100.2260, -0.7860



111.6180, 69.5020, 28.9740

# Complementary

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



97.4370, -27.7770, -41.7690



79.5630, 27.7770, 41.7690

# 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.



114.6660, 52.3520, 42.4320



97.4370, -27.7770, -41.7690



114.5900, -38.7470, 24.9090

# Square

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



97.4370, -27.7770, -41.7690



99.3890, -96.6020, -11.4020



118.8050, 15.3520, 41.1760



112.2530, 68.1310, 4.2510



# Rectangle

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



97.4370, -27.7770, -41.7690



95.6950, -80.6890, -29.9770



118.8050, 15.3520, 41.1760



111.8660, 66.1080, 35.4200

# Sweetspot

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



97.4370, -27.7770, -41.7690



157.4140, -10.6340, -16.5380



118.4940, 20.7750, -29.6010



78.6690, -6.7380, -10.0500



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



97.4370, -27.7770, -41.7690



117.4110, -43.2240, -64.6960



102.3390, -41.5800, -28.3960



63.6360, -1.9710, -2.8270



78.3620, -41.5280, -62.3920



1.7610, -0.8250, -1.5690



# Inverse Universe

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



79.5630, 27.7770, 41.7690



89.5890, 43.2240, 64.6960



74.6610, 41.5800, 28.3960



62.3640, 1.9710, 2.8270



51.6380, 41.5280, 62.3920



1.1250, 1.1460, 1.2580



# Previews

## White Background



This preview shows how the YIQ color 97.4370, -27.7770, -41.7690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

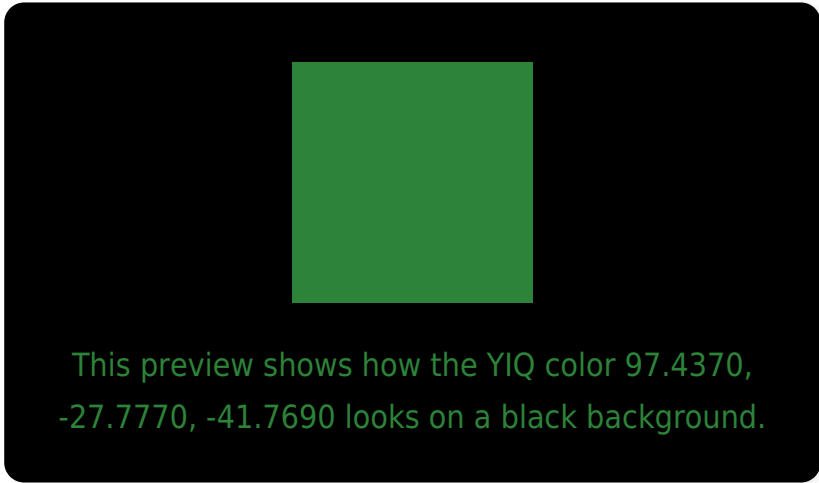
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black 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

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

# YIQ 97.4370, -27.7770, -41.7690

## Background



This preview shows how black text looks on a background with the YIQ color 97.4370, -27.7770, -41.7690.



This preview shows how white text looks on a background with the YIQ color 97.4370, -27.7770,

-41.7690.

# 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

97.4370, -27.7770, -41.7690

### Protanopia

111.7050, 27.9710, -16.8370

### Deuteranopia

113.9110, 33.5630, -8.0450



## Tritanopia

108.0970, -37.1820, -8.9740

# Trichromacy



## Original Color

97.4370, -27.7770, -41.7690

## Protanomaly

106.4850, 7.7990, -25.7130

## Deuteranomaly

107.9140, 11.1450, -20.2710

## Tritanomaly

104.2740, -33.7870, -20.9470

# Monochromacy



## Original Color

97.4370, -27.7770, -41.7690

## Achromatopsia

97.0000, -0.0000, 0.0000

## Achromatomaly

97.2400, -10.0840, -15.4920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 97.4370, -27.7770, -41.7690 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(45, 132, 57)` looks like.

```
.text, #text, p{  
    color:rgb(45, 132, 57)  
}
```

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(45, 132, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 132, 57) }
```

## Border

The CSS property to change the border of an element to YIQ 97.4370, -27.7770, -41.7690 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(45, 132, 57) }
```



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

```
.border{ border-color:rgb(45, 132, 57) }
```

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

Here you see how a box with a 4 pixel rgb(45, 132, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 132, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 132, 57);  
box-shadow:4px 4px 4px 4px rgb(45, 132,  
57) }
```

# Background

The CSS property to change the background color of an element to YIQ 97.4370, -27.7770, -41.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 132, 57) }
```

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

```
.background{ background-color: rgb(45, 132,  
57) }
```

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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