

# Converting Colors

YIQ(34.4270, -9.2260, 57.0940)

Have a look what the booklet for  
YIQ(34.4270, -9.2260, 57.0940)  
contains.

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# Color

**YIQ(34.4270, -9.2260,  
57.0940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D008E
RGB	61, 0, 142
RGB Percent	24%, 0%, 56%
CMY	0.7605, 1.0000, 0.4433
CMYK	0.57, 1.00, 0.00, 0.44
HSL	266°, 100%, 28%
HSV	266°, 100%, 56%
XYZ	6.8078, 2.9459, 25.7863
YIQ	34.4270, -9.2260, 57.0940

# Conversions

## Conversions Part 2

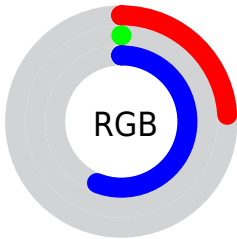
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 0, 142
Decimal	3997838
CIELab	19.83, 53.23, -61.97
CIELCh	20, 81.690, 310.659
Yxy	2.9459, 0.1916, 0.0829
Android (android.graphics.Color)	4282187918 (0xFF3D008E)
YUV	34.4270, 53.0335, 23.3045
Hunter-Lab	17.1635, 40.7649, -77.0622

# Details

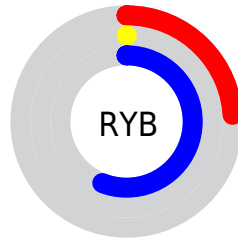
The YIQ color **34.4270, -9.2260, 57.0940** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **107.5730, 9.2260, -57.0940**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **93.2590, -8.8130, 55.1150**, and **10.2600, -28.8900, 27.9900** is the 20% darker color. If you saturate the color by 10%, you get **34.4270, -9.2260, 57.0940**, and if you desaturate by 10%, it is **45.0370, -8.3080, 51.4680**.

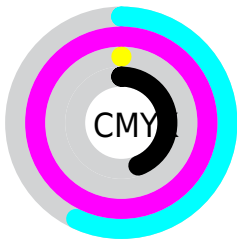
# Distribution



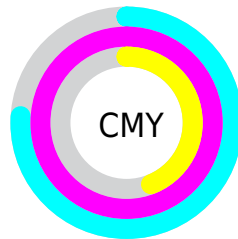
- Red (24%)
- Green (0%)
- Blue (56%)



- Red (24%)
- Yellow (0%)
- Blue (56%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (44%)




- Cyan (76%)
- Magenta (100%)
- Yellow (44%)
- Black (0%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 34.4270, -9.2260, 57.0940 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 34.4270, -9.2260, 57.0940 by changing the saturation by 10% instead.





 34.4270, -9.2260,  
57.0940


 34.4270, -9.2260,  
57.0940


 252.0650, 1.3750,  
2.6150


 21.2970, -21.1440,  
41.8000


 93.2590, -8.8130,  
55.1150

 10.2600, -28.8900,  
27.9900


 119.7970, -7.3920,  
56.8960


 7.5240, -21.1860,  
20.5260

 147.1500, -6.8880,  
58.7760

 6.5490, -14.3070,  
11.4930

 171.6700, 2.9710,  
50.8030

 2.9810, -7.0160,  
6.0080

 196.4890, 13.4260,  
43.0420

 0.0000, 0.0000,  
0.0000

 218.6060, 17.0500,

32.4260

■ 235.0420, 9.3500,  
17.7820

■ 34.4270, -9.2260,  
57.0940

■ 45.0370, -8.3080,  
51.4680

■ 55.6470, -7.3900,  
45.8420

■ 66.8440, -6.7470,  
39.6930

■ 77.4540, -5.8290,  
34.0670

■ 88.3630, -4.3150,  
28.6530

■ 98.9730, -3.3970,  
23.0270

■ 109.5830, -2.4790,  
17.4010

■ 120.7800, -1.8360,  
11.2520

■ 131.3900, -0.9180,  
5.6260

# Harmonies

## Analogous

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



50.6050, -69.4660, 25.4620



34.4270, -9.2260, 57.0940



48.1190, 47.1230, 54.6030

# Triad

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



34.4270, -9.2260, 57.0940



42.7590, 46.2150, 4.9590



47.1950, -40.5740, -13.5820

# Complementary

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



34.4270, -9.2260, 57.0940



107.5730, 9.2260, -57.0940

# 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.



38.1550, -17.8750, -33.9950



34.4270, -9.2260, 57.0940



43.0710, 9.2650, -19.2390

# Square

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



34.4270, -9.2260, 57.0940



37.3750, 74.5000, 26.5000



36.3940, -17.0500, -32.4260



54.3940, -59.4670, 3.9330



# Rectangle

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



34.4270, -9.2260, 57.0940



47.5600, 67.3900, 45.2300



36.3940, -17.0500, -32.4260



44.8010, -33.8330, -20.1130

# Sweetspot

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



34.4270, -9.2260, 57.0940



142.1470, -3.9470, 21.9810



64.9090, -68.4070, 0.7530



66.9480, -2.2490, 13.2310



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



34.4270, -9.2260, 57.0940



44.5970, -11.9800, 73.9720



55.0580, 31.8980, 71.7220



65.6950, -0.4590, 2.8130



32.7320, -8.7670, 54.2810



1.8090, -0.7800, 3.1240



# Inverse Universe

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



51.6920, 58.6310, 55.2950



66.9860, 75.9590, 71.6630



86.9420, -31.8980, -71.7220



66.5490, 2.8880, 2.7280



49.1430, 55.7430, 52.5670

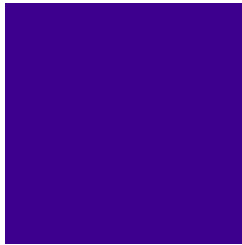


2.8480, 3.4840, 2.9400



# Previews

## White Background



This preview shows how the YIQ color 34.4270, -9.2260, 57.0940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

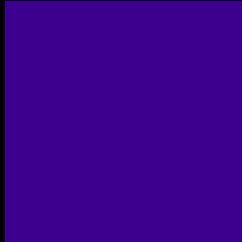
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 34.4270, -9.2260, 57.0940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

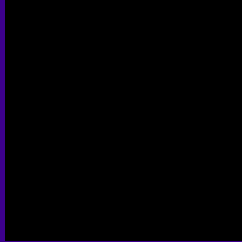
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 34.4270, -9.2260, 57.0940**

## **Background**



This preview shows how black text looks on a background with the YIQ color 34.4270, -9.2260, 57.0940.



This preview shows how white text looks on a background with the YIQ color 34.4270, -9.2260,



# 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

34.4270, -9.2260, 57.0940

### Protanopia

41.2060, -47.1340, 6.1940

### Deuteranopia

41.2570, -43.1440, -0.0400



## Tritanopia

47.7960, -17.1010, -3.9570

# Trichromacy



## Original Color

34.4270, -9.2260, 57.0940

## Protanomaly

38.8140, -33.5660, 24.6260

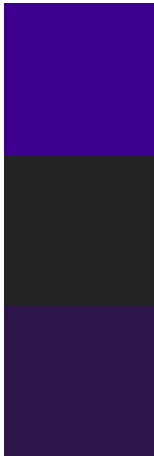
## Deuteranomaly

38.8480, -30.9060, 20.4700

## Tritanomaly

43.0640, -14.0790, 18.3770

# Monochromacy



## Original Color

34.4270, -9.2260, 57.0940

## Achromatopsia

34.0000, -0.0000, 0.0000

## Achromatomaly

34.3920, -3.2590, 20.5250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 34.4270, -9.2260, 57.0940 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(61, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(61, 0, 142)  
}
```

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(61, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 142) }
```

## Border

The CSS property to change the border of an element to YIQ 34.4270, -9.2260, 57.0940 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(61, 0, 142) }
```



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

```
.border{ border-color:rgb(61, 0, 142) }
```

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

Here you see how a box with a 4 pixel rgb(61, 0, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(61, 0, 142)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 34.4270, -9.2260, 57.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 0, 142) }
```

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

```
.background{ background-color: rgb(61, 0,  
142) }
```

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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