

# Converting Colors

YIQ(15.3440, -37.6940, 33.3620)

Have a look what the booklet for  
YIQ(15.3440, -37.6940, 33.3620)  
contains.

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# Color

**YIQ(15.3440, -37.6940,  
33.3620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	000472
RGB	0, 4, 114
RGB Percent	0%, 2%, 45%
CMY	0.9999, 0.9843, 0.5532
CMYK	1.00, 0.96, 0.00, 0.55
HSL	238°, 100%, 22%
HSV	238°, 100%, 45%
XYZ	3.0775, 1.3005, 15.9905
YIQ	15.3440, -37.6940, 33.3620

# Conversions

## Conversions Part 2

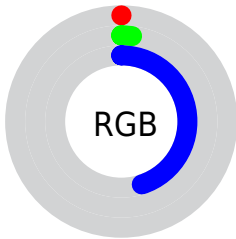
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 4, 114
Decimal	1138
CIELab	11.28, 41.78, -58.49
CIElCh	11, 71.877, 305.541
Yxy	1.3005, 0.1511, 0.0638
Android (android.graphics.Color)	4278191218 (0xFF000472)
YUV	15.3440, 48.6374, -13.4567
Hunter-Lab	11.4040, 28.2129, -75.1528

# Details

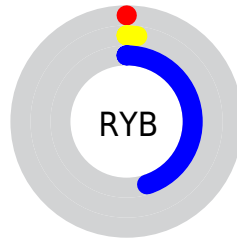
The YIQ color **15.3440, -37.6940, 33.3620** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **98.6560, 37.6940, -33.3620**, and the grayscale version is **15.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **71.9980, -21.7400, 41.5880**, and **9.0570, -21.3690, 18.3350** is the 20% darker color. If you saturate the color by 10%, you get **15.3440, -37.6940, 33.3620**, and if you desaturate by 10%, it is **25.0900, -34.1630, 29.9410**.

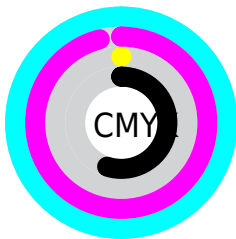
# Distribution



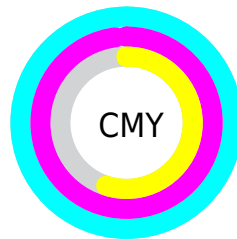
- Red (0%)
- Green (2%)
- Blue (45%)



- Red (0%)
- Yellow (2%)
- Blue (45%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (98%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 15.3440, -37.6940, 33.3620 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 15.3440, -37.6940, 33.3620 by changing the saturation by 10% instead.



■ 15.3440, -37.6940,  
33.3620

■ 15.3440, -37.6940,  
33.3620

■ 243.2600, 5.5000,  
10.4600

■ 10.1460, -28.5690,  
27.6790

■ 71.9980, -21.7400,  
41.5880

■ 9.0570, -21.3690,  
18.3350

■ 97.9490, -20.0440,  
43.8920

■ 6.4350, -13.9860,  
11.1820

■ 124.1880,  
-19.2190, 45.4610

■ 2.7530, -6.3740,  
5.3860

■ 150.8400,  
-18.1190, 47.5530

■ 0.0000, 0.0000,  
0.0000

■ 175.7020, -9.2230,  
40.5130

■ 200.2220, 0.6360,

32.5400

■ 225.6280, 10.8160,  
24.2560

■ 15.3440, -37.6940,  
33.3620

■ 25.0900, -34.1630,  
29.9410

■ 35.1350, -30.0360,  
26.7320

■ 44.8810, -26.5050,  
23.3110

■ 54.9260, -22.3780,  
20.1020

■ 64.6720, -18.8470,  
16.6810

■ 74.4180, -15.3160,  
13.2600

■ 84.4630, -11.1890,  
10.0510

■ 94.2090, -7.6580,  
6.6300

■ 104.2540, -3.5310,  
3.4210

# Harmonies

## Analogous

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



37.5820, -53.4640, 21.8000



15.3440, -37.6940, 33.3620



34.8190, 29.9320, 41.2600

# Triad

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



15.3440, -37.6940, 33.3620



22.3920, 40.2990, 13.0590



30.2740, -24.6190, -10.8830

# Complementary

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



15.3440, -37.6940, 33.3620



98.6560, 37.6940, -33.3620

# 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.



25.2410, -11.8250, -22.4890



15.3440, -37.6940, 33.3620



28.0530, 9.6760, -10.1640

# Square

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



15.3440, -37.6940, 33.3620



28.4050, 56.6200, 20.1400



24.6540, -11.5500, -21.9660



37.6210, -41.1730, 2.7870



# Rectangle

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



15.3440, -37.6940, 33.3620



35.6560, 49.1440, 34.4880



24.6540, -11.5500, -21.9660



28.2220, -18.8410, -16.4810

# Sweetspot

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



15.3440, -37.6940, 33.3620



109.6030, -14.3990, 13.1610



79.2300, -66.0180, -26.0340



50.6650, -8.9420, 7.8740



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



15.3440, -37.6940, 33.3620



19.8070, -48.8830, 43.4130



28.2450, -6.1980, 46.2660



51.2710, -2.2010, 1.3430



16.0280, -39.6200, 35.2280



33.4410, -81.7620, 72.1100



# Inverse Universe

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



34.5420, 66.6600, 25.4120



44.8220, 86.6030, 32.9310



85.7550, 6.1980, -46.2660



51.9080, 3.2550, 1.5830



36.3360, 70.2360, 26.6840

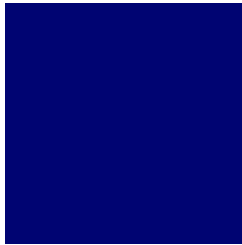


74.8790, 144.3230, 55.1630



# Previews

## White Background



This preview shows how the YIQ color 15.3440, -37.6940, 33.3620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

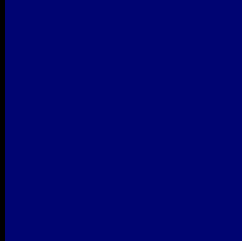
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 15.3440, -37.6940, 33.3620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

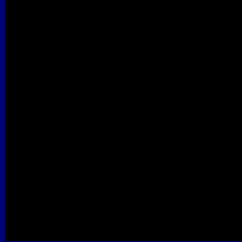
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 15.3440, -37.6940, 33.3620

## Background



This preview shows how black text looks on a background with the YIQ color 15.3440, -37.6940, 33.3620.



This preview shows how white text looks on a background with the YIQ color 15.3440, -37.6940,



# 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

15.3440, -37.6940, 33.3620

### Protanopia

27.3510, -31.5450, 4.5110

### Deuteranopia

27.8580, -28.8390, -0.4790

# Trichromacy



## Original Color

15.3440, -37.6940, 33.3620

## Protanomaly

22.7180, -33.6560, 15.2400

## Deuteranomaly

23.0940, -31.9590, 12.0170

# Monochromacy



## Original Color

15.3440, -37.6940, 33.3620

## Achromatopsia

15.0000, -0.0000, -0.0000

## Achromatomaly

15.2610, -13.4360, 12.2280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 15.3440, -37.6940, 33.3620 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(0, 4, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 4, 114)  
}
```

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(0, 4, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 4, 114) }
```

## Border

The CSS property to change the border of an element to YIQ 15.3440, -37.6940, 33.3620 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(0, 4, 114) }
```

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

```
.border{ border-color:rgb(0, 4, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 4, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 4, 114); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 4, 114); box-shadow:4px  
4px 4px 4px rgb(0, 4, 114) }
```



# Background

The CSS property to change the background color of an element to YIQ 15.3440, -37.6940, 33.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 4, 114) }
```

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

```
.background{ background-color: rgb(0, 4,  
114) }
```

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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