

# Converting Colors

YIQ(37.3480, 18.3770, 46.9290)

Have a look what the booklet for  
YIQ(37.3480, 18.3770, 46.9290)  
contains.

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# Color

**YIQ(37.3480, 18.3770,  
46.9290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	540261
RGB	84, 2, 97
RGB Percent	33%, 1%, 38%
CMY	0.6703, 0.9923, 0.6196
CMYK	0.13, 0.98, 0.00, 0.62
HSL	292°, 96%, 19%
HSV	292°, 98%, 38%
XYZ	5.8410, 2.7935, 11.5406
YIQ	37.3480, 18.3770, 46.9290

# Conversions

## Conversions Part 2

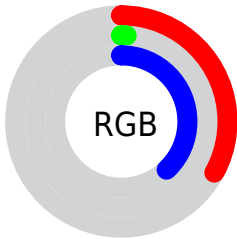
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 2, 97
Decimal	5505633
CIE <sub>Lab</sub>	19.20, 45.60, -33.96
CIE <sub>LCh</sub>	19, 56.858, 323.319
Yxy	2.7935, 0.2895, 0.1385
Android (android.graphics.Color)	4283695713 (0xFF540261)
YUV	37.3480, 29.4084, 40.9138
Hunter-Lab	16.7139, 33.1305, -29.2387

# Details

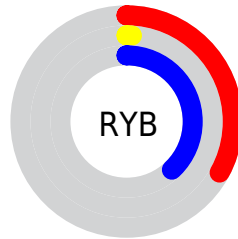
The YIQ color **37.3480, 18.3770, 46.9290** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **61.6520, -18.3770, -46.9290**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **93.6420, 17.3690, 43.1690**, and **17.0620, 6.5980, 23.6060** is the 20% darker color. If you saturate the color by 10%, you get **36.1740, 18.9270, 47.9750**, and if you desaturate by 10%, it is **43.5170, 16.2230, 41.9110**.

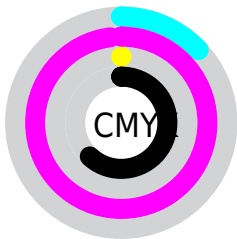
# Distribution



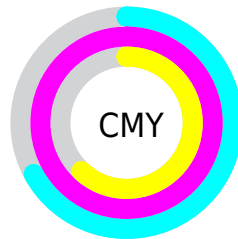
- Red (33%)
- Green (1%)
- Blue (38%)



- Red (33%)
- Yellow (1%)
- Blue (38%)



- Cyan (13%)
- Magenta (98%)
- Yellow (0%)
- Black (62%)



- Cyan (67%)
- Magenta (99%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 37.3480, 18.3770, 46.9290 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 37.3480, 18.3770, 46.9290 by changing the saturation by 10% instead.



37.3480, 18.3770,  
46.9290

37.3480, 18.3770,  
46.9290

253.2390, 0.8250,  
1.5690

25.9630, 11.7310,  
35.2110

93.6420, 17.3690,  
43.1690

17.0620, 6.5980,  
23.6060

119.4680, 17.9190,  
44.2150

3.7790, -9.2630,  
8.1850

146.2940, 18.4690,  
45.2610


0.0000, 0.0000,  
0.0000


174.0060, 19.3400,  
45.9960


201.2620, 21.4950,  
45.4870


219.1930, 16.7750,


31.9030


 236.2160, 8.8000,  
16.7360


 37.3480, 18.3770,  
46.9290


 37.3480, 18.3770,  
46.9290


 36.1740, 18.9270,  
47.9750

 43.5170, 16.2230,  
41.9110

 49.3980, 14.9400,  
37.6280

 55.5670, 12.7860,  
32.6100

 61.7360, 10.6320,  
27.5920

 67.6170, 9.3490,  
23.3090

■ 73.7860, 7.1950,  
18.2910

■ 79.9550, 5.0410,  
13.2730

■ 86.4230, 3.4830,  
8.4670

■ 92.0050, 1.6040,  
3.9720

# Harmonies

## Analogous

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



37.7300, -51.1250, 17.9550



37.3480, 18.3770, 46.9290



39.8010, 47.5380, 41.5700

# Triad

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



37.3480, 18.3770, 46.9290



44.3880, 27.7860, -7.9740



45.4000, -42.4090, -7.8570

# Complementary

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



37.3480, 18.3770, 46.9290



61.6520, -18.3770, -46.9290

# 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.



39.9110, -28.3310, -20.7070



37.3480, 18.3770, 46.9290



39.4720, 0.6460, -22.7300

# Square

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



37.3480, 18.3770, 46.9290



37.7970, 52.2200, 11.7720



34.6330, -16.2250, -30.8570



48.8030, -53.3690, 3.5510



# Rectangle

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



37.3480, 18.3770, 46.9290



37.6200, 57.9930, 33.8090



34.6330, -16.2250, -30.8570



43.8040, -37.9150, -12.2110

# Sweetspot

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



37.3480, 18.3770, 46.9290



102.3730, 6.9200, 17.7680



21.0480, -34.3450, 22.2230



49.6020, 4.5370, 11.3930



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



37.3480, 18.3770, 46.9290



46.5420, 24.2430, 61.7710



37.4730, 36.7180, 39.4220



45.6520, 1.1000, 2.0920



41.7710, 21.8600, 55.3960



89.2530, 46.3320, 118.5240



# Inverse Universe

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



31.8870, 52.4470, 24.1830



39.3130, 69.0430, 31.7870



61.5270, -36.7180, -39.4220



45.1960, 2.3840, 0.8480



35.1980, 61.9370, 28.4090

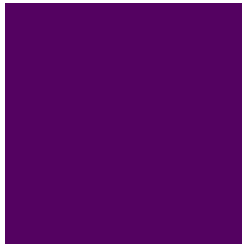


75.5220, 132.4470, 61.1430



# Previews

## White Background



This preview shows how the YIQ color 37.3480, 18.3770, 46.9290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

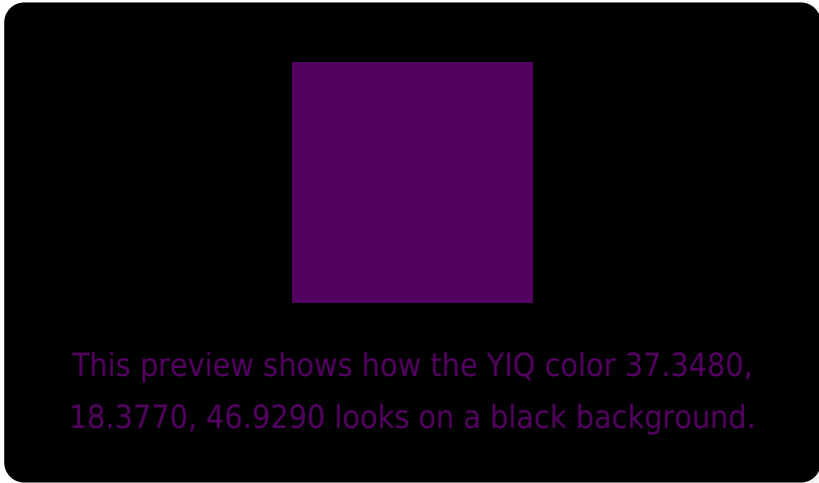
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

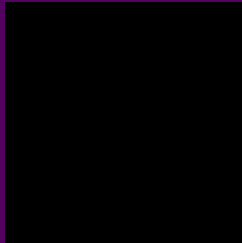
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 37.3480, 18.3770, 46.9290**

## **Background**



This preview shows how black text looks on a background with the YIQ color 37.3480, 18.3770, 46.9290.



This preview shows how white text looks on a background with the YIQ color 37.3480, 18.3770,



# 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

37.3480, 18.3770, 46.9290

### Protanopia

39.8040, -45.9420, 6.6180

### Deuteranopia

40.1970, -42.9150, 1.3170



## **Tritanopia**

50.0030, 22.2810, 9.2010

# Trichromacy



## Original Color

37.3480, 18.3770, 46.9290

## Protanomaly

38.8660, -22.1490, 21.4590

## Deuteranomaly

39.2420, -20.4520, 18.2360

## Tritanomaly

45.5490, 21.2240, 22.8560

# Monochromacy



## Original Color

37.3480, 18.3770, 46.9290

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

36.9600, 6.6450, 17.2450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 37.3480, 18.3770, 46.9290 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(84, 2, 97)` looks like.

```
.text, #text, p{  
    color:rgb(84, 2, 97)  
}
```

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(84, 2, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 2, 97) }
```

## Border

The CSS property to change the border of an element to YIQ 37.3480, 18.3770, 46.9290 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(84, 2, 97) }
```



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

```
.border{ border-color:rgb(84, 2, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 2, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 2, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 2, 97); box-shadow:4px  
4px 4px 4px rgb(84, 2, 97) }
```

# Background

The CSS property to change the background color of an element to YIQ 37.3480, 18.3770, 46.9290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 2, 97) }
```

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

```
.background{ background-color: rgb(84, 2,  
97) }
```

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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