

# Converting Colors

YIQ(39.8270, -43.6080, 30.4080)

Have a look what the booklet for  
YIQ(39.8270, -43.6080, 30.4080)  
contains.

<b>YIQ(39.8270, -43.6080, 30.4080)</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> .....	30

# Color

**YIQ(39.8270, -43.6080,  
30.4080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	11208C
RGB	17, 32, 140
RGB Percent	7%, 13%, 55%
CMY	0.9332, 0.8745, 0.4512
CMYK	0.88, 0.77, 0.00, 0.45
HSL	233°, 78%, 31%
HSV	233°, 88%, 55%
XYZ	5.4768, 3.0441, 25.0846
YIQ	39.8270, -43.6080, 30.4080

# Conversions

## Conversions Part 2

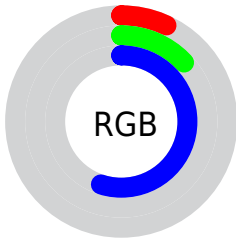
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	17, 30, 140
Decimal	1122444
CIE <sub>Lab</sub>	20.22, 37.00, -60.16
CIE <sub>LCh</sub>	20, 70.627, 301.595
Yxy	3.0441, 0.1630, 0.0906
Android (android.graphics.Color)	4279312524 (0xFF11208C)
YUV	39.8270, 49.3853, -20.0193
Hunter-Lab	17.4475, 25.4984, -73.0291

# Details

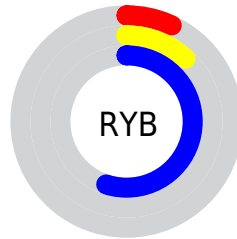
The YIQ color **39.8270, -43.6080, 30.4080** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **117.1730, 43.6080, -30.4080**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **94.0400, -30.7260, 39.2420**, and **10.1460, -28.5690, 27.6790** is the 20% darker color. If you saturate the color by 10%, you get **28.5970, -48.6520, 33.7160**, and if you desaturate by 10%, it is **51.0570, -38.5640, 27.1000**.

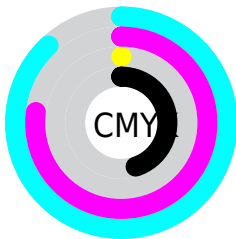
# Distribution



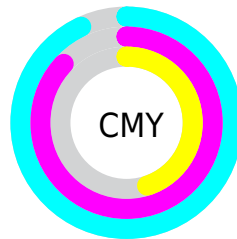
- Red (7%)
- Green (13%)
- Blue (55%)



- Red (7%)
- Yellow (12%)
- Blue (55%)



- Cyan (88%)
- Magenta (77%)
- Yellow (0%)
- Black (45%)



- Cyan (93%)
- Magenta (87%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 39.8270, -43.6080, 30.4080 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 39.8270, -43.6080, 30.4080 by changing the saturation by 10% instead.



■ 39.8270, -43.6080,  
30.4080

■ 39.8270, -43.6080,  
30.4080

■ 255.0000, -0.0000,  
-0.0000

■ 19.4530, -39.6190,  
29.7010

■ 94.0400, -30.7260,  
39.2420

■ 10.1460, -28.5690,  
27.6790

■ 120.5780,  
-29.3050, 41.0230

■ 11.4050, -22.4690,  
16.2430

■ 147.2300,  
-28.2050, 43.1150

■ 6.4350, -13.9860,  
11.1820

■ 171.5050,  
-19.0340, 36.5980

■ 2.7530, -6.3740,  
5.3860

■ 196.0250, -9.1750,  
28.6250

■ 0.0000, 0.0000,  
0.0000

■ 221.4310, 1.0050,

20.3410

243.8470, 5.2250,  
9.9370

39.8270, -43.6080,  
30.4080

39.8270, -43.6080,  
30.4080

28.5970, -48.6520,  
33.7160

51.0570, -38.5640,  
27.1000

25.9390, -49.6150,  
34.6490

62.8740, -33.7950,  
23.2690

74.1040, -28.7510,  
19.9610

85.3340, -23.7070,  
16.6530

96.5640, -18.6630,  
13.3450

■ 108.3810,  
-13.8940, 9.5140

■ 119.6110, -8.8500,  
6.2060

■ 130.8410, -3.8060,  
2.8980

■ 142.6580, 0.9630,  
-0.9330

# Harmonies

## Analogous

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



51.2430, -65.7510, 18.7050



39.8270, -43.6080, 30.4080



43.5780, 32.5890, 53.6850

# Triad

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



39.8270, -43.6080, 30.4080



41.0420, 52.9080, 10.3160



44.4420, -34.2000, -18.9680

# Complementary

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



39.8270, -43.6080, 30.4080



117.1730, 43.6080, -30.4080

# 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.



37.5680, -17.6000, -33.4720



39.8270, -43.6080, 30.4080



45.8170, 21.9640, -12.5960

# Square

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



39.8270, -43.6080, 30.4080



37.0760, 73.9040, 26.2880



35.2200, -16.5000, -31.3800



51.0710, -51.4880, -3.0080



# Rectangle

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



39.8270, -43.6080, 30.4080



45.4970, 54.5060, 47.4500



35.2200, -16.5000, -31.3800



42.3900, -28.4220, -24.5660

# Sweetspot

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



39.8270, -43.6080, 30.4080



142.8800, -16.7370, 11.4790



101.3990, -68.1720, -31.0520



68.6540, -10.4090, 6.9270



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.



39.8270, -43.6080, 30.4080



33.5480, -64.1510, 44.7850



44.4770, -12.6630, 47.7930



63.3850, -2.5220, 1.6540



24.5540, -47.0930, 32.9950



1.1570, -1.8800, 1.0320



# Inverse Universe

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



55.4870, 68.4930, 30.7410



56.6270, 100.8140, 45.2140



112.5230, 12.6630, -47.7930



64.2070, 3.8510, 1.7950



41.5910, 74.1320, 33.1720

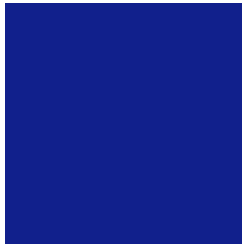


1.6090, 2.6590, 1.3710



# Previews

## White Background



This preview shows how the YIQ color 39.8270, -43.6080, 30.4080 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 39.8270, -43.6080, 30.4080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

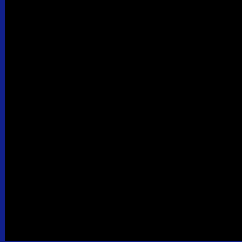
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 39.8270, -43.6080, 30.4080

## Background



This preview shows how black text looks on a background with the YIQ color 39.8270, -43.6080, 30.4080.



This preview shows how white text looks on a background with the YIQ color 39.8270, -43.6080,



# 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

39.8270, -43.6080, 30.4080

### Protanopia

39.6900, -45.6210, 6.3070

### Deuteranopia

39.6270, -41.3100, -0.2380

# Trichromacy



## Original Color

39.8270, -43.6080, 30.4080

## Protanomaly

39.5580, -44.8890, 15.0710

## Deuteranomaly

39.5920, -42.2290, 10.9150

# Monochromacy



## Original Color

39.8270, -43.6080, 30.4080

## Achromatopsia

40.0000, 0.0000, -0.0000

## Achromatomaly

39.9510, -15.4990, 11.0690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 39.8270, -43.6080, 30.4080 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(17, 32, 140)` looks like.

```
.text, #text, p{  
    color:rgb(17, 32, 140)  
}
```

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(17, 32, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 32, 140) }
```

## Border

The CSS property to change the border of an element to YIQ 39.8270, -43.6080, 30.4080 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(17, 32, 140) }
```

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

```
.border{ border-color:rgb(17, 32, 140) }
```

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

Here you see how a box with a 4 pixel rgb(17, 32, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 32, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 32, 140);  
box-shadow:4px 4px 4px 4px rgb(17, 32,  
140) }
```



# Background

The CSS property to change the background color of an element to YIQ 39.8270, -43.6080, 30.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 32, 140) }
```

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

```
.background{ background-color: rgb(17, 32,  
140) }
```

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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