

# Converting Colors

YIQ(43.1480, -40.0780, 32.5140)

Have a look what the booklet for  
YIQ(43.1480, -40.0780, 32.5140)  
contains.

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# Color

**YIQ(43.1480, -40.0780,  
32.5140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	19218F
RGB	25, 33, 143
RGB Percent	10%, 13%, 56%
CMY	0.9019, 0.8706, 0.4395
CMYK	0.82, 0.77, 0.00, 0.44
HSL	236°, 70%, 33%
HSV	236°, 82%, 56%
XYZ	5.8984, 3.2760, 26.2833
YIQ	43.1480, -40.0780, 32.5140

# Conversions

## Conversions Part 2

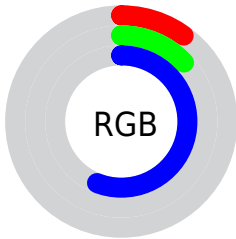
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 32, 143
Decimal	1646991
CIE Lab	21.12, 37.97, -60.53
CIE LCh	21, 71.456, 302.097
Yxy	3.2760, 0.1663, 0.0924
Android (android.graphics.Color)	4279837071 (0xFF19218F)
YUV	43.1480, 49.2270, -15.9158
Hunter-Lab	18.0998, 26.4950, -73.4271

# Details

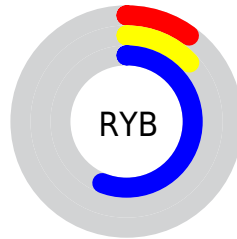
The YIQ color **43.1480, -40.0780, 32.5140** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **124.8520, 40.0780, -32.5140**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.7520, -29.8550, 39.9770**, and **10.3740, -29.2110, 28.3010** is the 20% darker color. If you saturate the color by 10%, you get **31.3310, -44.8470, 36.3450**, and if you desaturate by 10%, it is **54.9650, -35.3090, 28.6830**.

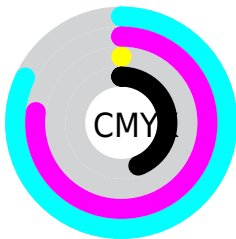
# Distribution



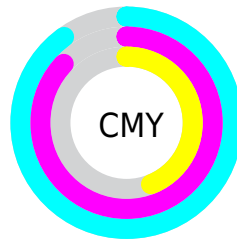
- Red (10%)
- Green (13%)
- Blue (56%)



- Red (10%)
- Yellow (13%)
- Blue (56%)



- Cyan (82%)
- Magenta (77%)
- Yellow (0%)
- Black (44%)



- Cyan (90%)
- Magenta (87%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 43.1480, -40.0780, 32.5140 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 43.1480, -40.0780, 32.5140 by changing the saturation by 10% instead.



■ 43.1480, -40.0780,  
32.5140

■ 43.1480, -40.0780,  
32.5140

■ 255.0000, -0.0000,  
-0.0000

■ 20.3820, -40.8570,  
30.1110

■ 96.7520, -29.8550,  
39.9770

■ 10.3740, -29.2110,  
28.3010

■ 122.7030,  
-28.1590, 42.2810

■ 11.7470, -23.4320,  
17.1760

■ 149.9420,  
-27.3340, 43.8500

■ 6.7770, -14.9490,  
12.1150

■ 173.8750,  
-17.2000, 36.4000

■ 3.0950, -7.3370,  
6.3190

■ 198.3950, -7.3410,  
28.4270

■ 0.0000, 0.0000,  
0.0000

■ 223.8010, 2.8390,

20.1430

245.0210, 4.6750,  
8.8910

43.1480, -40.0780,  
32.5140

43.1480, -40.0780,  
32.5140

31.3310, -44.8470,  
36.3450

54.9650, -35.3090,  
28.6830

22.1720, -48.6530,  
39.2430

67.6680, -30.2190,  
24.5410

79.4850, -25.4500,  
20.7100

91.3020, -20.6810,  
16.8790

103.7060,  
-16.1870, 12.5250

■ 115.8220,  
-10.8220, 8.9060

■ 127.6390, -6.0530,  
5.0750

■ 140.0430, -1.5590,  
0.7210

■ 152.1590, 3.8060,  
-2.8980

# Harmonies

## Analogous

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



52.8730, -67.5850, 18.9030



43.1480, -40.0780, 32.5140



45.0020, 34.3310, 55.1550

# Triad

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



43.1480, -40.0780, 32.5140



42.8140, 53.5500, 9.6940



45.9580, -35.7130, -19.0810

# Complementary

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



43.1480, -40.0780, 32.5140



124.8520, 40.0780, -32.5140

# 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.



38.7420, -18.1500, -34.5180



43.1480, -40.0780, 32.5140



47.8770, 21.7350, -13.9530

# Square

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



43.1480, -40.0780, 32.5140



37.9730, 75.6920, 26.9240



36.3940, -17.0500, -32.4260



52.7010, -53.3220, -2.8100



# Rectangle

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



43.1480, -40.0780, 32.5140



46.8070, 56.5690, 48.6090



36.3940, -17.0500, -32.4260



43.9060, -29.9350, -24.6790

# Sweetspot

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



43.1480, -40.0780, 32.5140



147.0050, -15.5910, 12.7370



106.5780, -67.1180, -28.1260



70.3660, -9.5380, 7.6620



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



43.1480, -40.0780, 32.5140



30.0200, -62.3640, 50.9480



53.1030, -8.6740, 47.0860



65.3850, -2.5220, 1.6540



20.6730, -45.8100, 37.2780



1.4990, -2.8430, 1.9650



# Inverse Universe

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



61.1940, 67.7600, 27.5040



58.3840, 105.8120, 42.7400



114.8970, 8.6740, -47.0860



66.2070, 3.8510, 1.7950



41.3910, 77.5710, 31.4190

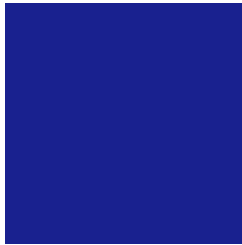


2.5060, 4.4470, 2.0070



# Previews

## White Background



This preview shows how the YIQ color 43.1480, -40.0780, 32.5140 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 43.1480, -40.0780, 32.5140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

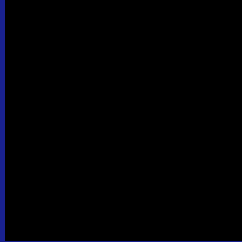
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 43.1480, -40.0780, 32.5140

## Background



This preview shows how black text looks on a background with the YIQ color 43.1480, -40.0780, 32.5140.



This preview shows how white text looks on a background with the YIQ color 43.1480, -40.0780,



# 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

43.1480, -40.0780, 32.5140

### Protanopia

41.2060, -47.1340, 6.1940

### Deuteranopia

41.2570, -43.1440, -0.0400



## Tritanopia

40.2990, -34.9350, -11.1510

# Trichromacy



## Original Color

43.1480, -40.0780, 32.5140

## Protanomaly

41.9710, -44.6140, 15.5940

## Deuteranomaly

42.1190, -42.2750, 11.7490

## Tritanomaly

41.1270, -36.7260, 4.7940

# Monochromacy



## Original Color

43.1480, -40.0780, 32.5140

## Achromatopsia

43.0000, -0.0000, -0.0000

## Achromatomaly

42.6630, -14.6280, 11.8040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 43.1480, -40.0780, 32.5140 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(25, 33, 143)` looks like.

```
.text, #text, p{  
    color:rgb(25, 33, 143)  
}
```

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(25, 33, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 33, 143) }
```

## Border

The CSS property to change the border of an element to YIQ 43.1480, -40.0780, 32.5140 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(25, 33, 143) }
```



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

```
.border{ border-color:rgb(25, 33, 143) }
```

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

Here you see how a box with a 4 pixel rgb(25, 33, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 33, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 33, 143);  
box-shadow:4px 4px 4px 4px rgb(25, 33,  
143) }
```

# Background

The CSS property to change the background color of an element to YIQ 43.1480, -40.0780, 32.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 33, 143) }
```

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

```
.background{ background-color: rgb(25, 33,  
143) }
```

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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