

# Converting Colors

YIQ(42.9480, -19.4440, 21.9960)

Have a look what the booklet for  
YIQ(42.9480, -19.4440, 21.9960)  
contains.

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# Color

**YIQ(42.9480, -19.4440,  
21.9960)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	262266
RGB	38, 34, 102
RGB Percent	15%, 13%, 40%
CMY	0.8509, 0.8667, 0.6001
CMYK	0.63, 0.67, 0.00, 0.60
HSL	244°, 50%, 27%
HSV	244°, 67%, 40%
XYZ	3.7684, 2.5149, 12.8486
YIQ	42.9480, -19.4440, 21.9960

# Conversions

## Conversions Part 2

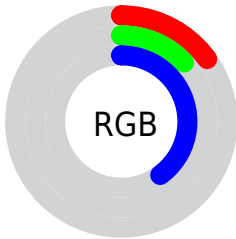
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 34, 102
Decimal	2499174
CIE <sub>Lab</sub>	17.99, 24.00, -39.50
CIE <sub>LCh</sub>	18, 46.223, 301.285
Yxy	2.5149, 0.1970, 0.1315
Android (android.graphics.Color)	4280689254 (0xFF262266)
YUV	42.9480, 29.1126, -4.3394
Hunter-Lab	15.8586, 14.6640, -36.9356

# Details

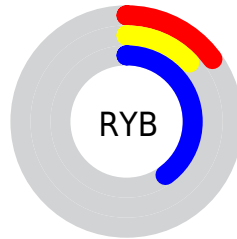
The YIQ color **42.9480, -19.4440, 21.9960** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **93.0520, 19.4440, -21.9960**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.1380, -16.9230, 25.8690**, and **6.1560, -17.3340, 16.7940** is the 20% darker color. If you saturate the color by 10%, you get **34.0880, -22.6540, 25.1060**, and if you desaturate by 10%, it is **51.8080, -16.2340, 18.8860**.

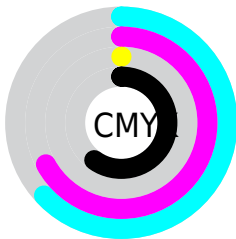
# Distribution



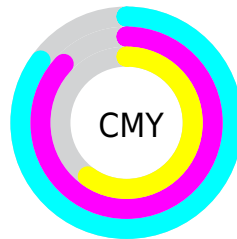
- Red (15%)
- Green (13%)
- Blue (40%)



- Red (15%)
- Yellow (13%)
- Blue (40%)



- Cyan (63%)
- Magenta (67%)
- Yellow (0%)
- Black (60%)



- Cyan (85%)
- Magenta (87%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.9480, -19.4440, 21.9960 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 42.9480, -19.4440, 21.9960 by changing the saturation by 10% instead.



■ 42.9480, -19.4440,  
21.9960

■ 42.9480, -19.4440,  
21.9960

■ 255.0000, -0.0000,  
-0.0000

■ 18.4910, -25.5870,  
17.6850

■ 91.1380, -16.9230,  
25.8690

■ 6.1560, -17.3340,  
16.7940

■ 116.0780,  
-16.6940, 27.2260

■ 4.8220, -10.8220,  
8.9060

■ 142.0180,  
-16.4650, 28.5830

■ 0.4560, -1.2840,  
1.2440

■ 168.5450,  
-16.5110, 29.4170

■ 0.0000, 0.0000,  
0.0000

■ 194.8180,  
-13.0260, 26.8300

■ 219.9250, -3.4420,

18.3340

244.4340, 4.9500,  
9.4140

42.9480, -19.4440,  
21.9960

42.9480, -19.4440,  
21.9960

34.0880, -22.6540,  
25.1060

51.8080, -16.2340,  
18.8860

25.5270, -25.2680,  
28.4280

60.3690, -13.6200,  
15.5640

16.0800, -28.2030,  
32.0610

69.8160, -10.6850,  
11.9310

13.4220, -29.1660,  
32.9940

78.3770, -8.0710,  
8.6090

87.2370, -4.8610,  
5.4990

■ 96.0970, -1.6510,  
2.3890

■ 104.6580, 0.9630,  
-0.9330

■ 114.1050, 3.8980,  
-4.5660

■ 122.6660, 6.5120,  
-7.8880

# Harmonies

## Analogous

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



40.9440, -49.1520, 9.7280



42.9480, -19.4440, 21.9960



37.1170, 23.1010, 38.4050

# Triad

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



42.9480, -19.4440, 21.9960



40.3560, 39.9800, 2.3160



38.5890, -30.1200, -15.8160

# Complementary

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



42.9480, -19.4440, 21.9960



93.0520, 19.4440, -21.9960

# 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.



32.9690, -17.0510, -26.8990



42.9480, -19.4440, 21.9960



41.3870, 20.3590, -11.0410

# Square

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



42.9480, -19.4440, 21.9960



29.7300, 54.3270, 23.1510



35.6180, -2.7010, -22.6450



42.3510, -40.7130, -5.5530



# Rectangle

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



42.9480, -19.4440, 21.9960



34.9740, 39.5610, 37.4570



35.6180, -2.7010, -22.6450



37.2210, -26.2680, -19.5480

# Sweetspot

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



42.9480, -19.4440, 21.9960



109.6760, -7.4750, 8.8210



79.9070, -39.7030, -12.8470



52.1230, -4.5400, 5.1880



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



42.9480, -19.4440, 21.9960



40.8780, -30.4500, 34.2380



52.8150, 0.2240, 28.9920



46.5700, -1.6050, 1.5550



15.2030, -32.7430, 37.2490



31.7740, -69.3380, 78.2300



# Inverse Universe

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



61.6280, 19.9840, 34.3200



69.9800, 31.3970, 53.2610



83.1850, -0.2240, -28.9920



48.0650, 1.3750, 2.6150



46.6970, 33.8720, 57.9680



98.3500, 71.0440, 122.2120



# Previews

## White Background



This preview shows how the YIQ color 42.9480, -19.4440, 21.9960 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 42.9480, -19.4440, 21.9960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

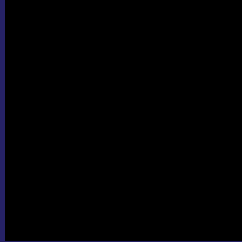
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 42.9480, -19.4440, 21.9960**

## **Background**



This preview shows how black text looks on a background with the YIQ color 42.9480, -19.4440, 21.9960.



This preview shows how white text looks on a background with the YIQ color 42.9480, -19.4440,



# 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

42.9480, -19.4440, 21.9960

### Protanopia

35.6150, -41.0360, 5.8120

### Deuteranopia

35.8940, -37.6880, 0.2000



## Tritanopia

36.8980, -26.3160, -7.6600

# Trichromacy



## Original Color

42.9480, -19.4440, 21.9960

## Protanomaly

38.4960, -33.1510, 11.5930

## Deuteranomaly

38.7580, -31.1330, 8.0590

## Tritanomaly

39.3040, -24.1630, 2.8850

# Monochromacy



## Original Color

42.9480, -19.4440, 21.9960

## Achromatopsia

43.0000, -0.0000, -0.0000

## Achromatomaly

43.0350, -7.1080, 7.6760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.9480, -19.4440, 21.9960 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(38, 34, 102)` looks like.

```
.text, #text, p{  
    color:rgb(38, 34, 102)  
}
```

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(38, 34, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 34, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 42.9480, -19.4440, 21.9960 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(38, 34, 102) }
```



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

```
.border{ border-color:rgb(38, 34, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 34, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 34, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 34, 102);  
box-shadow:4px 4px 4px 4px rgb(38, 34,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 42.9480, -19.4440, 21.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 34, 102) }
```

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

```
.background{ background-color: rgb(38, 34,  
102) }
```

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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