

# Converting Colors

YIQ(49.2410, -27.8790, 15.1690)

Have a look what the booklet for  
YIQ(49.2410, -27.8790, 15.1690)  
contains.

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# Color

**YIQ(49.2410, -27.8790,  
15.1690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	202F6A
RGB	32, 47, 106
RGB Percent	13%, 18%, 42%
CMY	0.8745, 0.8157, 0.5845
CMYK	0.70, 0.56, 0.00, 0.58
HSL	228°, 54%, 27%
HSV	228°, 70%, 42%
XYZ	4.2119, 3.3804, 14.0553
YIQ	49.2410, -27.8790, 15.1690

# Conversions

## Conversions Part 2

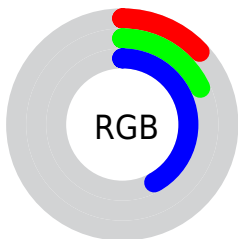
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 44, 106
Decimal	2109290
CIELab	21.51, 15.27, -36.41
CIELCh	22, 39.482, 292.749
Yxy	3.3804, 0.1946, 0.1562
Android (android.graphics.Color)	4280299370 (0xFF202F6A)
YUV	49.2410, 27.9822, -15.1204
Hunter-Lab	18.3859, 8.7160, -32.4548

# Details

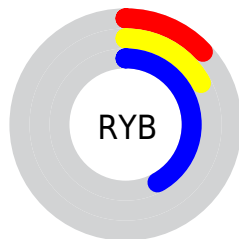
The YIQ color **49.2410, -27.8790, 15.1690** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **88.7590, 27.8790, -15.1690**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.3170, -25.0370, 18.7310**, and **6.6120, -18.6180, 18.0380** is the 20% darker color. If you saturate the color by 10%, you get **41.2560, -32.2350, 17.0210**, and if you desaturate by 10%, it is **57.2260, -23.5230, 13.3170**.

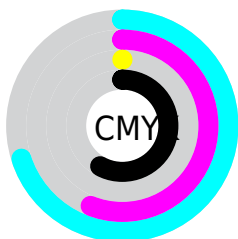
# Distribution



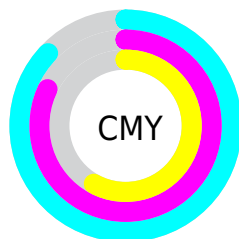
- Red (13%)
- Green (18%)
- Blue (42%)



- Red (13%)
- Yellow (17%)
- Blue (42%)



- Cyan (70%)
- Magenta (56%)
- Yellow (0%)
- Black (58%)



- Cyan (87%)
- Magenta (82%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 49.2410, -27.8790, 15.1690 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 49.2410, -27.8790, 15.1690 by changing the saturation by 10% instead.



■ 49.2410, -27.8790,  
15.1690

■ 49.2410, -27.8790,  
15.1690

■ 255.0000, -0.0000,  
-0.0000

■ 25.0830, -33.4260,  
11.0700

■ 98.3170, -25.0370,  
18.7310

■ 6.6120, -18.6180,  
18.0380

■ 123.2570,  
-24.8080, 20.0880

■ 5.2780, -12.1060,  
10.1500

■ 149.7840,  
-24.8540, 20.9220

■ 1.2540, -3.5310,  
3.4210

■ 176.3110,  
-24.9000, 21.7560

■ 0.0000, 0.0000,  
0.0000

■ 202.1280,  
-20.1310, 17.9250

■ 227.2350,

-10.5470, 9.4290

252.9290, -1.2380,  
0.4100

49.2410, -27.8790,  
15.1690

49.2410, -27.8790,  
15.1690

41.2560, -32.2350,  
17.0210

57.2260, -23.5230,  
13.3170

32.9830, -35.7200,  
19.6080

65.4990, -20.0380,  
10.7300

24.9980, -40.0760,  
21.4600

73.4840, -15.6820,  
8.8780

24.4110, -39.8010,  
21.9830

81.7570, -12.1970,  
6.2910

89.7420, -7.8410,  
4.4390

■ 98.3140, -3.7600,  
2.0640

■ 106.0000, -0.0000,  
-0.0000

■ 114.5720, 4.0810,  
-2.3750

■ 122.2580, 7.8410,  
-4.4390

# Harmonies

## Analogous

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



45.9990, -50.9850, 4.3990



49.2410, -27.8790, 15.1690



52.3230, 10.3570, 27.0690

# Triad

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



49.2410, -27.8790, 15.1690



47.7540, 44.6110, 0.9870



42.4700, -31.4030, -20.0990

# Complementary

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



49.2410, -27.8790, 15.1690



88.7590, 27.8790, -15.1690

# 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.



37.7620, -20.9020, -28.6940



49.2410, -27.8790, 15.1690



49.1060, 28.5200, -10.2640

# Square

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



49.2410, -27.8790, 15.1690



45.4730, 44.7450, 20.5930



46.6150, 10.5490, -20.4830



45.8900, -41.0330, -10.7690



# Rectangle

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



49.2410, -27.8790, 15.1690



48.4130, 27.7790, 30.7150



46.6150, 10.5490, -20.4830



40.7430, -27.9180, -22.6860

# Sweetspot

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



49.2410, -27.8790, 15.1690



115.8280, -10.9590, 5.8810



82.0500, -38.9680, -20.6640



55.6990, -6.2820, 3.7180



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



49.2410, -27.8790, 15.1690



48.7250, -43.5610, 24.0470



46.7150, -11.2380, 27.4660



49.2710, -2.2010, 1.3430



27.4260, -44.1570, 23.8350



57.2800, -92.3950, 50.0450



# Inverse Universe

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



55.8360, 39.2890, 20.3530



59.3060, 61.7530, 31.7450



91.2850, 11.2380, -27.4660



49.9080, 3.2550, 1.5830



37.7190, 62.0280, 32.2680



78.9550, 129.9700, 67.4900



# Previews

## White Background



This preview shows how the YIQ color 49.2410, -27.8790, 15.1690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

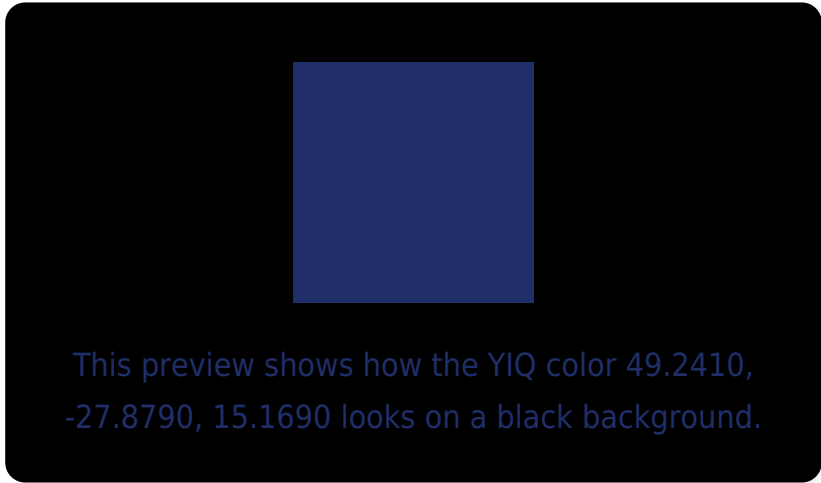
Any Text WCAG AA ✓ Pass

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

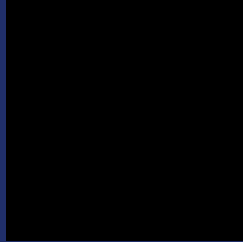
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 49.2410, -27.8790, 15.1690

## Background



This preview shows how black text looks on a background with the YIQ color 49.2410, -27.8790, 15.1690.



This preview shows how white text looks on a background with the YIQ color 49.2410, -27.8790,



# 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

49.2410, -27.8790, 15.1690

### Protanopia

41.4340, -47.7760, 6.8160

### Deuteranopia

41.5990, -44.1070, 0.8930



## Tritanopia

40.5270, -35.5770, -10.5290

# Trichromacy



## Original Color

49.2410, -27.8790, 15.1690

## Protanomaly

44.4350, -40.3490, 9.8830

## Deuteranomaly

44.5830, -38.0100, 6.0380

## Tritanomaly

43.5910, -32.4610, -0.9170

# Monochromacy



## Original Color

49.2410, -27.8790, 15.1690

## Achromatopsia

49.0000, -0.0000, -0.0000

## Achromatomaly

49.0130, -10.0420, 5.7820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 49.2410, -27.8790, 15.1690 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(32, 47, 106)` looks like.

```
.text, #text, p{  
    color:rgb(32, 47, 106)  
}
```

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(32, 47, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 47, 106) }
```

## Border

The CSS property to change the border of an element to YIQ 49.2410, -27.8790, 15.1690 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(32, 47, 106) }
```



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

```
.border{ border-color:rgb(32, 47, 106) }
```

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

Here you see how a box with a 4 pixel rgb(32, 47, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 47, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 47, 106);  
box-shadow:4px 4px 4px 4px rgb(32, 47,  
106) }
```

# Background

The CSS property to change the background color of an element to YIQ 49.2410, -27.8790, 15.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 47, 106) }
```

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

```
.background{ background-color: rgb(32, 47,  
106) }
```

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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