

# Converting Colors

YIQ(72.4000, -33.2410, 2.2070)

Have a look what the booklet for  
YIQ(72.4000, -33.2410, 2.2070)  
contains.

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# Color

**YIQ(72.4000, -33.2410,  
2.2070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A5071
RGB	42, 80, 113
RGB Percent	16%, 31%, 44%
CMY	0.8353, 0.6862, 0.5570
CMYK	0.63, 0.29, 0.00, 0.56
HSL	208°, 46%, 30%
HSV	208°, 63%, 44%
XYZ	6.8023, 7.4229, 16.6852
YIQ	72.4000, -33.2410, 2.2070

# Conversions

## Conversions Part 2

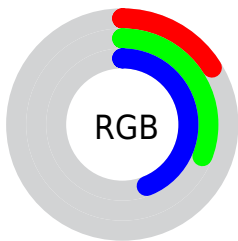
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 67, 113
Decimal	2773105
CIE <sub>Lab</sub>	32.75, -2.54, -22.97
CIE <sub>LCh</sub>	33, 23.112, 263.687
Yxy	7.4229, 0.2201, 0.2401
Android (android.graphics.Color)	4280963185 (0xFF2A5071)
YUV	72.4000, 20.0158, -26.6608
Hunter-Lab	27.2450, -3.1121, -17.2385




# Details

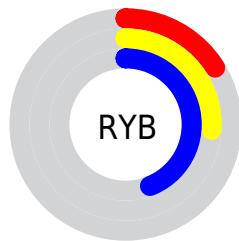
The YIQ color **72.4000, -33.2410, 2.2070** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **82.6000, 33.2410, -2.2070**, and the grayscale version is **72.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **122.6390, -32.4160, 3.7760**, and **28.5420, -30.7650, 1.3870** is the 20% darker color. If you saturate the color by 10%, you get **66.1760, -38.4220, 2.4900**, and if you desaturate by 10%, it is **78.6240, -28.0600, 1.9240**.

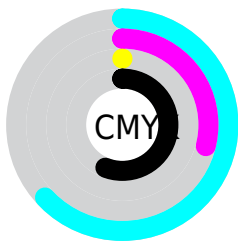
# Distribution







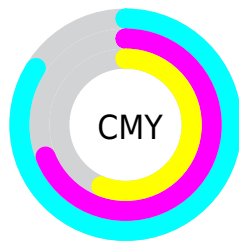
-  Red (16%)
-  Green (31%)
-  Blue (44%)






-  Red (16%)
-  Yellow (26%)
-  Blue (44%)



-  Cyan (63%)
-  Magenta (29%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (84%)
-  Magenta (69%)
-  Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.4000, -33.2410, 2.2070 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 72.4000, -33.2410, 2.2070 by changing the saturation by 10% instead.



■ 72.4000, -33.2410,  
2.2070

■ 72.4000, -33.2410,  
2.2070

■ 255.0000, -0.0000,  
-0.0000

■ 46.7800, -37.3670,  
-0.1110

■ 122.6390,  
-32.4160, 3.7760

■ 28.5420, -30.7650,  
1.3870

■ 149.0520,  
-32.1410, 4.2990

■ 13.1200, -17.6530,  
6.0510

■ 175.8670,  
-33.0580, 4.3980

■ 2.9810, -7.0160,  
6.0080

■ 203.3940,  
-33.1040, 5.2320

■ 0.0000, 0.0000,  
0.0000

■ 229.4730,  
-26.3170, -2.1330

■ 248.1230,

-13.7080, -4.8760

■ 72.4000, -33.2410,  
2.2070

■ 72.4000, -33.2410,  
2.2070

■ 66.1760, -38.4220,  
2.4900

■ 78.6240, -28.0600,  
1.9240

■ 59.6530, -44.1990,  
2.5610

■ 85.7340, -22.5580,  
1.3300

■ 52.8420, -49.1050,  
3.3670

■ 91.9580, -17.3770,  
1.0470

■ 48.6890, -53.0480,  
3.2400

■ 98.1820, -12.1960,  
0.7640

■ 104.4060, -7.0150,  
0.4810

■ 110.9290, -1.2380,  
0.4100

■ 117.7400, 3.6680,  
-0.3960

■ 123.9640, 8.8490,  
-0.6790

■ 130.4870, 14.6260,  
-0.7500

# Harmonies

## Analogous

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



61.3920, -57.1260, -10.9660



72.4000, -33.2410, 2.2070



77.8050, -12.1520, 10.9840

# Triad

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



72.4000, -33.2410, 2.2070



77.6510, 29.2040, 10.3880



71.4250, -9.1670, -15.5910

# Complementary

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



72.4000, -33.2410, 2.2070



82.6000, 33.2410, -2.2070

# 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.



73.9880, 8.3010, -12.7790



72.4000, -33.2410, 2.2070



77.0820, 29.0680, 1.8360

# Square

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



72.4000, -33.2410, 2.2070



78.9200, 21.3170, 15.6610



76.2070, 21.0460, -6.9700



66.7630, -30.6700, -16.8620



# Rectangle

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



72.4000, -33.2410, 2.2070



79.1550, 1.6020, 15.0260



76.2070, 21.0460, -6.9700



72.3610, -3.1150, -15.1390

# Sweetspot

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



72.4000, -33.2410, 2.2070



131.9970, -13.1130, 0.8630



87.3250, -29.7970, -27.1810



64.2210, -7.9320, 0.5800



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



72.4000, -33.2410, 2.2070



84.2870, -51.8560, 3.6640



52.4420, -23.8910, 19.9890



52.4450, -2.7510, 0.2970



51.2480, -56.1200, 3.8480



106.2290, -115.8620, 7.2580



# Inverse Universe

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



67.5610, 30.1180, 26.8700



76.9150, 47.2170, 41.8810



102.5580, 23.8910, -19.9890



52.1360, 2.6130, 2.2050



43.1760, 50.9760, 45.3440

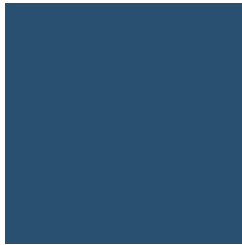


89.0150, 104.5190, 93.7270



# Previews

## White Background



This preview shows how the YIQ color 72.4000, -33.2410, 2.2070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

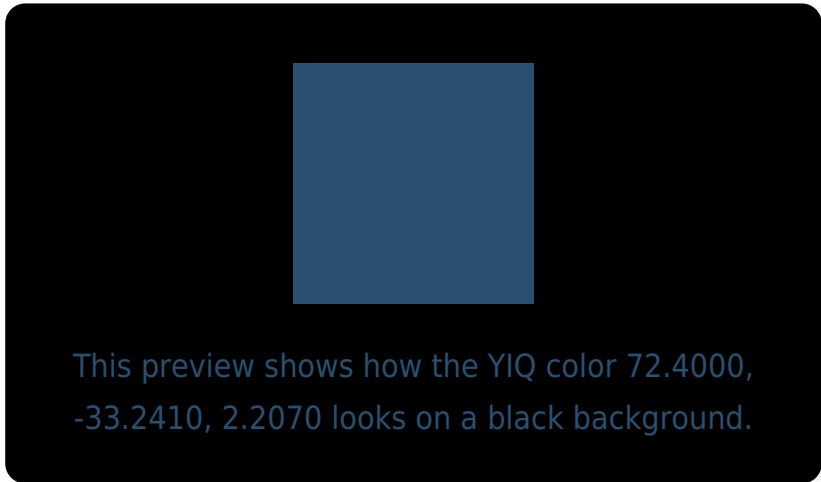
Any Text WCAG AA ✓ Pass

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

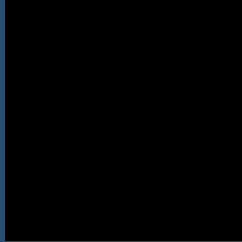
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

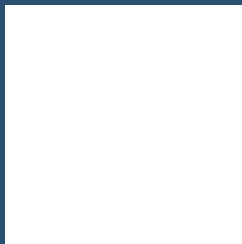
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 72.4000, -33.2410, 2.2070**

## **Background**



This preview shows how black text looks on a background with the YIQ color 72.4000, -33.2410, 2.2070.



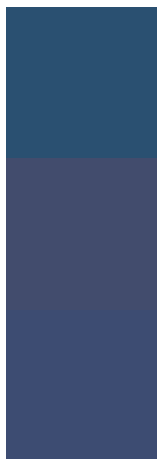
This preview shows how white text looks on a background with the YIQ color 72.4000, -33.2410,



# 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

72.4000, -33.2410, 2.2070

### Protanopia

76.7720, -16.5530, 8.1430

### Deuteranopia

75.8470, -21.1380, 8.6380



## Tritanopia

68.9510, -33.8350, -9.0590

# Trichromacy



## Original Color

72.4000, -33.2410, 2.2070

## Protanomaly

74.7820, -22.5130, 6.0230

## Deuteranomaly

74.3410, -25.5850, 6.6310

## Tritanomaly

70.4720, -33.7440, -5.2000

# Monochromacy



## Original Color

72.4000, -33.2410, 2.2070

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

72.1820, -12.1960, 0.7640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.4000, -33.2410, 2.2070 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(42, 80, 113)` looks like.

```
.text, #text, p{  
    color:rgb(42, 80, 113)  
}
```

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(42, 80, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 80, 113) }
```

## Border

The CSS property to change the border of an element to YIQ 72.4000, -33.2410, 2.2070 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(42, 80, 113) }
```



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

```
.border{ border-color:rgb(42, 80, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 80, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 80, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 80, 113);  
box-shadow:4px 4px 4px 4px rgb(42, 80,  
113) }
```

# Background

The CSS property to change the background color of an element to YIQ 72.4000, -33.2410, 2.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 80, 113) }
```

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

```
.background{ background-color: rgb(42, 80,  
113) }
```

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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