

# Converting Colors

YIQ(33.4220, -30.3070, 4.1010)

Have a look what the booklet for  
YIQ(33.4220, -30.3070, 4.1010)  
contains.

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# Color

**YIQ(33.4220, -30.3070,  
4.1010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	07274A
RGB	7, 39, 74
RGB Percent	3%, 15%, 29%
CMY	0.9726, 0.8470, 0.7100
CMYK	0.91, 0.47, 0.00, 0.71
HSL	211°, 83%, 16%
HSV	211°, 91%, 29%
XYZ	2.0482, 1.9909, 6.7483
YIQ	33.4220, -30.3070, 4.1010

# Conversions

## Conversions Part 2

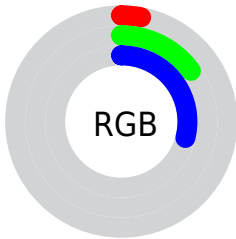
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	7, 29, 74
Decimal	468810
CIE Lab	15.44, 3.62, -24.94
CIE LCh	15, 25.204, 278.265
Yxy	1.9909, 0.1899, 0.1846
Android (android.graphics.Color)	4278658890 (0xFF07274A)
YUV	33.4220, 20.0050, -23.1721
Hunter-Lab	14.1100, 1.2182, -18.4791

# Details

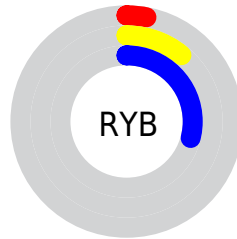
The YIQ color **33.4220, -30.3070, 4.1010** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **47.5780, 30.3070, -4.1010**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **81.2810, -25.3560, 7.9880**, and **4.5940, -10.1800, 8.2840** is the 20% darker color. If you saturate the color by 10%, you get **28.9810, -33.3790, 4.7090**, and if you desaturate by 10%, it is **37.8630, -27.2350, 3.4930**.

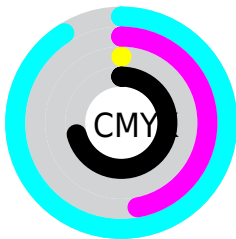
# Distribution



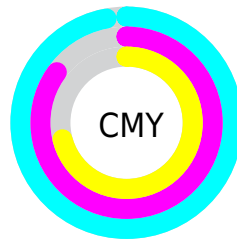
- Red (3%)
- Green (15%)
- Blue (29%)



- Red (3%)
- Yellow (11%)
- Blue (29%)



- Cyan (91%)
- Magenta (47%)
- Yellow (0%)
- Black (71%)



- Cyan (97%)
- Magenta (85%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 33.4220, -30.3070, 4.1010 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 33.4220, -30.3070, 4.1010 by changing the saturation by 10% instead.



■ 33.4220, -30.3070,  
4.1010

■ 33.4220, -30.3070,  
4.1010

■ 254.1030, -1.7880,  
-0.6360

■ 16.3800, -21.3210,  
6.4470

■ 81.2810, -25.3560,  
7.9880

■ 4.5940, -10.1800,  
8.2840

■ 106.3950,  
-25.6770, 8.2990

■ 0.0000, 0.0000,  
0.0000

■ 131.9220,  
-25.7230, 9.1330

■ 158.3350,  
-25.4480, 9.6560

■ 185.4490,  
-25.7690, 9.9670

■ 212.1070,

-24.8060, 9.0340

■ 237.8010,  
-15.4970, 0.0150

■ 33.4220, -30.3070,  
4.1010

■ 33.4220, -30.3070,  
4.1010

■ 28.9810, -33.3790,  
4.7090

■ 37.8630, -27.2350,  
3.4930

■ 42.6030, -23.5670,  
3.0970

■ 47.0440, -20.4950,  
2.4890

■ 51.1970, -16.5520,  
2.6160

■ 55.6380, -13.4800,  
2.0080

■ 60.0790, -10.4080,  
1.4000

■ 64.8190, -6.7400,  
1.0040

■ 69.2600, -3.6680,  
0.3960

■ 74.0000, -0.0000,  
0.0000

# Harmonies

## Analogous

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



34.0360, -35.2120, -0.6200



33.4220, -30.3070, 4.1010



40.1760, -2.8910, 13.8530

# Triad

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



33.4220, -30.3070, 4.1010



37.5320, 27.9210, 6.1050



29.8520, -20.6750, -16.2830

# Complementary

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



33.4220, -30.3070, 4.1010



47.5780, 30.3070, -4.1010

# 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.



33.9870, 0.8740, -15.8460



33.4220, -30.3070, 4.1010



37.0120, 26.0890, -4.7510

# Square

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



33.4220, -30.3070, 4.1010



37.4320, 25.6270, 14.6430



36.0490, 15.4990, -11.0690



32.4910, -26.7280, -11.2080



# Rectangle

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



33.4220, -30.3070, 4.1010



39.5150, 9.3960, 16.9480



36.0490, 15.4990, -11.0690



30.3640, -16.3650, -17.3010

# Sweetspot

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



33.4220, -30.3070, 4.1010



81.0080, -11.6460, 1.8100



50.3190, -29.6600, -24.1560



38.8190, -6.7400, 1.0040



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



33.4220, -30.3070, 4.1010



38.0600, -43.7870, 6.1090



14.9370, -20.9110, 21.0490



35.6300, -1.8340, 0.1980



40.3910, -46.2170, 6.0950



90.7900, -104.0800, 14.0000



# Inverse Universe

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



30.6810, 29.6600, 24.1560



34.2470, 43.0460, 34.8700



66.0630, 20.9110, -21.0490



35.4240, 1.7420, 1.4700



36.0840, 45.0630, 36.8630



81.3100, 101.7700, 82.9700



# Previews

## White Background



This preview shows how the YIQ color 33.4220, -30.3070, 4.1010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

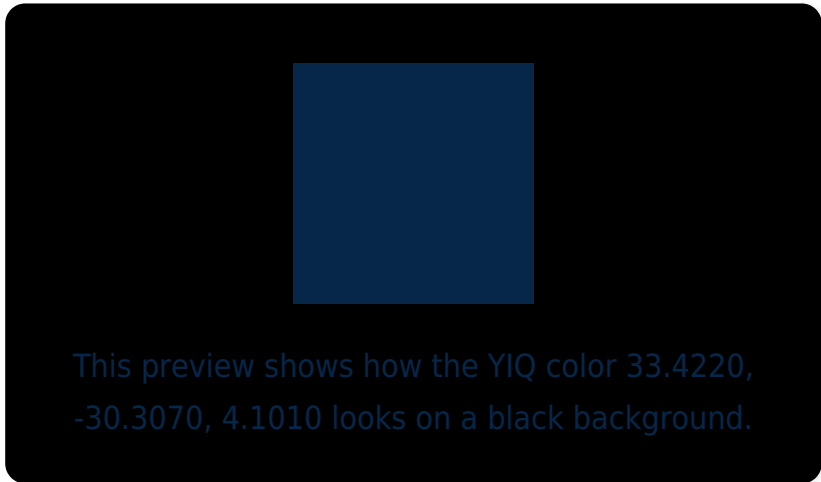
Any Text WCAG AA ✓ Pass

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

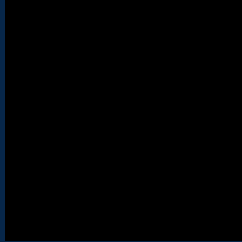
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 33.4220, -30.3070, 4.1010**

## **Background**



This preview shows how black text looks on a background with the YIQ color 33.4220, -30.3070, 4.1010.



This preview shows how white text looks on a background with the YIQ color 33.4220, -30.3070,



# 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

33.4220, -30.3070, 4.1010

### Protanopia

36.9070, -21.3670, 7.2810

### Deuteranopia

31.4600, -33.4700, 0.8500



## Tritanopia

31.0720, -26.8660, -8.7060

# Trichromacy



## Original Color

33.4220, -30.3070, 4.1010

## Protanomaly

35.4120, -24.3470, 6.2210

## Deuteranomaly

32.4710, -32.0030, 1.7970

## Tritanomaly

31.9350, -27.7380, -3.9140

# Monochromacy



## Original Color

33.4220, -30.3070, 4.1010

## Achromatopsia

33.0000, -0.0000, -0.0000

## Achromatomaly

33.1930, -10.7290, 1.7110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 33.4220, -30.3070, 4.1010 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(7, 39, 74)` looks like.

```
.text, #text, p{  
    color:rgb(7, 39, 74)  
}
```

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(7, 39, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 39, 74) }
```

## Border

The CSS property to change the border of an element to YIQ 33.4220, -30.3070, 4.1010 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(7, 39, 74) }
```



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

```
.border{ border-color:rgb(7, 39, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 39, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 39, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 39, 74); box-shadow:4px  
4px 4px 4px rgb(7, 39, 74) }
```

# Background

The CSS property to change the background color of an element to YIQ 33.4220, -30.3070, 4.1010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 39, 74) }
```

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

```
.background{ background-color: rgb(7, 39,  
74) }
```

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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