

# Converting Colors

YIQ(44.2970, -31.4530, 2.8430)

Have a look what the booklet for  
YIQ(44.2970, -31.4530, 2.8430)  
contains.

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# Color

**YIQ(44.2970, -31.4530,  
2.8430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	103354
RGB	16, 51, 84
RGB Percent	6%, 20%, 33%
CMY	0.9373, 0.7999, 0.6707
CMYK	0.81, 0.39, 0.00, 0.67
HSL	209°, 68%, 20%
HSV	209°, 81%, 33%
XYZ	2.9966, 3.1185, 8.8236
YIQ	44.2970, -31.4530, 2.8430

# Conversions

## Conversions Part 2

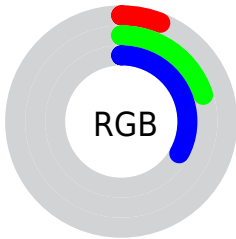
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 39, 84
Decimal	1061716
CIE Lab	20.51, 0.58, -23.60
CIE LCh	21, 23.603, 271.396
Yxy	3.1185, 0.2006, 0.2088
Android (android.graphics.Color)	4279251796 (0xFF103354)
YUV	44.2970, 19.5736, -24.8165
Hunter-Lab	17.6592, -0.6135, -17.2636

# Details

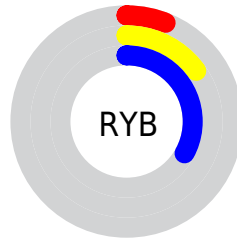
The YIQ color **44.2970, -31.4530, 2.8430** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **55.7030, 31.4530, -2.8430**, and the grayscale version is **44.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **93.1450, -27.9690, 5.7830**, and **6.7940, -13.6190, 10.0370** is the 20% darker color. If you saturate the color by 10%, you get **39.5570, -35.1210, 3.2390**, and if you desaturate by 10%, it is **49.0370, -27.7850, 2.4470**.

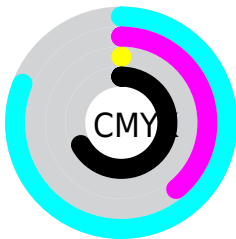
# Distribution



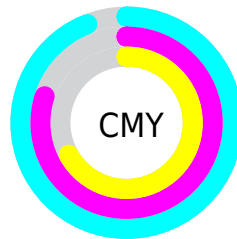
- Red (6%)
- Green (20%)
- Blue (33%)



- Red (6%)
- Yellow (15%)
- Blue (33%)



- Cyan (81%)
- Magenta (39%)
- Yellow (0%)
- Black (67%)



- Cyan (94%)
- Magenta (80%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 44.2970, -31.4530, 2.8430 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 44.2970, -31.4530, 2.8430 by changing the saturation by 10% instead.



■ 44.2970, -31.4530,  
2.8430

■ 44.2970, -31.4530,  
2.8430

■ 255.0000, -0.0000,  
-0.0000

■ 24.5640, -27.8310,  
3.2810

■ 93.1450, -27.9690,  
5.7830

■ 6.7940, -13.6190,  
10.0370

■ 118.2590,  
-28.2900, 6.0940

■ 2.4110, -5.4110,  
4.4530

■ 143.7860,  
-28.3360, 6.9280

■ 0.0000, 0.0000,  
0.0000

■ 170.9000,  
-28.6570, 7.2390

■ 198.0140,  
-28.9780, 7.5500

■ 224.1900,

-23.8420, 2.5740

■ 248.1230,  
-13.7080, -4.8760

■ 44.2970, -31.4530,  
2.8430

■ 44.2970, -31.4530,  
2.8430

■ 39.5570, -35.1210,  
3.2390

■ 49.0370, -27.7850,  
2.4470

■ 34.8170, -38.7890,  
3.6350

■ 54.0760, -23.5210,  
2.2630

■ 58.8160, -19.8530,  
1.8670

■ 63.8550, -15.5890,  
1.6830

■ 68.5950, -11.9210,  
1.2870

■ 73.3350, -8.2530,  
0.8910

■ 78.9610, -4.2640,  
0.1840

■ 83.7010, -0.5960,  
-0.2120

■ 88.7400, 3.6680,  
-0.3960

# Harmonies

## Analogous

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



41.4050, -40.8050, -3.8850



44.2970, -31.4530, 2.8430



50.6700, -7.3380, 11.8460

# Triad

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



44.2970, -31.4530, 2.8430



48.7000, 27.5080, 8.0840



42.1900, -15.8150, -16.2550

# Complementary

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



44.2970, -31.4530, 2.8430



55.7030, 31.4530, -2.8430

# 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.



46.0090, 3.8080, -13.9520



44.2970, -31.4530, 2.8430



48.3480, 25.2630, -0.7930

# Square

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



44.2970, -31.4530, 2.8430



49.7630, 23.1970, 14.6290



47.5870, 16.9200, -9.2880



39.7460, -32.0000, -14.7840



# Rectangle

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



44.2970, -31.4530, 2.8430



51.3080, 5.5450, 15.1530



47.5870, 16.9200, -9.2880



43.7240, -8.5710, -15.3790

# Sweetspot

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



44.2970, -31.4530, 2.8430



94.2960, -12.5170, 1.0750



59.6780, -29.2930, -25.3010



46.5200, -7.3360, 0.7920



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



44.2970, -31.4530, 2.8430



47.4830, -49.4720, 4.5120



24.3390, -22.1030, 20.6250



38.6300, -1.8340, 0.1980



43.6680, -48.5550, 4.4130



96.8880, -107.4720, 9.3920



# Inverse Universe

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



40.3220, 29.2930, 25.3010



41.2630, 46.1170, 39.7890



75.6610, 22.1030, -20.6250



38.4240, 1.7420, 1.4700



37.5510, 45.2460, 39.0540



83.0480, 99.7520, 86.5040



# Previews

## White Background



This preview shows how the YIQ color 44.2970, -31.4530, 2.8430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

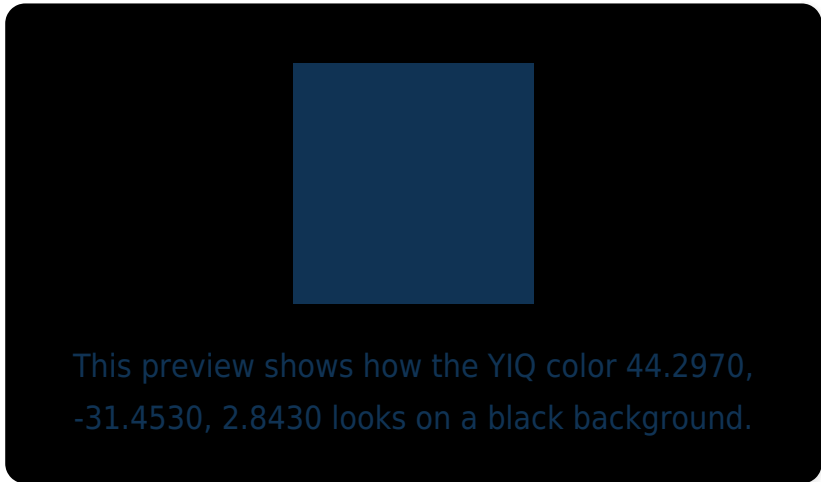
Any Text WCAG AA ✓ Pass

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

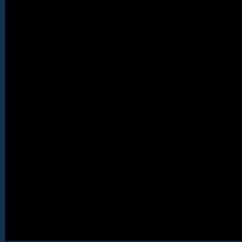
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 44.2970, -31.4530, 2.8430**

## **Background**



This preview shows how black text looks on a background with the YIQ color 44.2970, -31.4530, 2.8430.



This preview shows how white text looks on a background with the YIQ color 44.2970, -31.4530,



# 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

44.2970, -31.4530, 2.8430

### Protanopia

48.8750, -18.3410, 7.5070

### Deuteranopia

46.4010, -25.8140, 5.2740



## Tritanopia

39.0110, -34.0640, -10.4160

# Trichromacy



## Original Color

44.2970, -31.4530, 2.8430

## Protanomaly

47.4830, -23.1090, 5.8110

## Deuteranomaly

45.5040, -27.6020, 4.6380

## Tritanomaly

41.2440, -33.1020, -5.8220

# Monochromacy



## Original Color

44.2970, -31.4530, 2.8430

## Achromatopsia

44.0000, -0.0000, -0.0000

## Achromatomaly

44.4810, -11.6000, 0.9760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 44.2970, -31.4530, 2.8430 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(16, 51, 84)` looks like.

```
.text, #text, p{  
    color:rgb(16, 51, 84)  
}
```

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(16, 51, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 51, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 44.2970, -31.4530, 2.8430 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(16, 51, 84) }
```



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

```
.border{ border-color:rgb(16, 51, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 51, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 51, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 51, 84);  
box-shadow:4px 4px 4px 4px rgb(16, 51, 84)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 44.2970, -31.4530, 2.8430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 51, 84) }
```

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

```
.background{ background-color: rgb(16, 51,  
84) }
```

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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