

# Converting Colors

YIQ(33.7140, -0.3290, 44.5270)

Have a look what the booklet for  
YIQ(33.7140, -0.3290, 44.5270)  
contains.

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# Color

**YIQ(33.7140, -0.3290,  
44.5270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D056E
RGB	61, 5, 110
RGB Percent	24%, 2%, 43%
CMY	0.7606, 0.9805, 0.5687
CMYK	0.44, 0.95, 0.00, 0.57
HSL	272°, 91%, 23%
HSV	272°, 95%, 43%
XYZ	4.7949, 2.2271, 14.9230
YIQ	33.7140, -0.3290, 44.5270

# Conversions

## Conversions Part 2

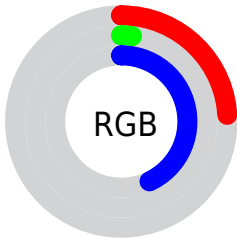
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 5, 110
Decimal	3999086
CIELab	16.64, 44.08, -46.85
CIELCh	17, 64.322, 313.254
Yxy	2.2271, 0.2185, 0.1015
Android (android.graphics.Color)	4282189166 (0xFF3D056E)
YUV	33.7140, 37.6090, 23.9298
Hunter-Lab	14.9234, 31.2367, -48.8420




# Details

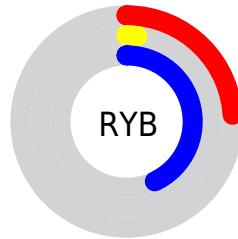
The YIQ color **33.7140, -0.3290, 44.5270** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **81.2860, 0.3290, -44.5270**, and the grayscale version is **33.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **87.3010, -0.6040, 44.0040**, and **8.4490, -16.6010, 20.0310** is the 20% darker color. If you saturate the color by 10%, you get **30.1810, -0.1460, 46.7180**, and if you desaturate by 10%, it is **41.6660, -0.3740, 39.8340**.

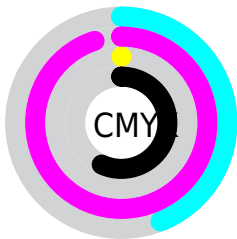
# Distribution







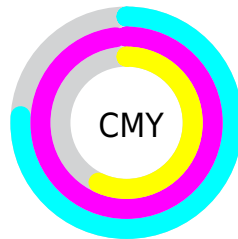
-  Red (24%)
-  Green (2%)
-  Blue (43%)






-  Red (24%)
-  Yellow (2%)
-  Blue (43%)



-  Cyan (44%)
-  Magenta (95%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (76%)
-  Magenta (98%)
-  Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 33.7140, -0.3290, 44.5270 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 33.7140, -0.3290, 44.5270 by changing the saturation by 10% instead.



■ 33.7140, -0.3290,  
44.5270

■ 33.7140, -0.3290,  
44.5270

■ 250.3040, 2.2000,  
4.1840

■ 19.8560, -7.0210,  
33.6430

■ 87.3010, -0.6040,  
44.0040

■ 8.4490, -16.6010,  
20.0310

■ 113.4260, 0.5420,  
45.2620

■ 6.0930, -13.0230,  
10.2490

■ 139.6650, 1.3670,  
46.8310

■ 2.2970, -5.0900,  
4.1420

■ 166.6050, 1.5960,  
48.1880

■ 0.0000, 0.0000,  
0.0000

■ 192.0370, 8.8870,  
42.7030

■ 216.8450, 17.8750,

33.9950

233.2810, 10.1750,  
19.3510

33.7140, -0.3290,  
44.5270

33.7140, -0.3290,  
44.5270

30.1810, -0.1460,  
46.7180

41.6660, -0.3740,  
39.8340

49.6180, -0.4190,  
35.1410

57.5700, -0.4640,  
30.4480

65.8210, 0.0870,  
25.9670

73.7730, 0.0420,  
21.2740

■ 81.7250, -0.0030,  
16.5810

■ 89.6770, -0.0480,  
11.8880

■ 97.6290, -0.0930,  
7.1950

■ 105.5810, -0.1380,  
2.5020

# Harmonies

## Analogous

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



39.9300, -54.5640, 19.7080



33.7140, -0.3290, 44.5270



39.2610, 40.4310, 43.7190

# Triad

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



33.7140, -0.3290, 44.5270



38.5510, 34.9370, 0.0970



41.0000, -35.5310, -11.3630

# Complementary

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



33.7140, -0.3290, 44.5270



81.2860, 0.3290, -44.5270

# 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.



34.0120, -18.6100, -26.1780



33.7140, -0.3290, 44.5270



36.8690, 7.0180, -17.0620

# Square

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



33.7140, -0.3290, 44.5270



29.9000, 59.6000, 21.2000



31.1110, -14.5750, -27.7190



45.4290, -49.3800, 2.8440



# Rectangle

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



33.7140, -0.3290, 44.5270



38.5320, 55.4250, 36.2970



31.1110, -14.5750, -27.7190



38.5890, -30.1200, -15.8160

# Sweetspot

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



33.7140, -0.3290, 44.5270



112.6650, 0.2260, 17.9380



45.7330, -47.1800, 7.0280



53.0360, 0.3190, 10.7430



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



33.7140, -0.3290, 44.5270



39.0260, -0.6070, 60.5850



47.9090, 30.1590, 53.6710



51.5810, -0.1380, 2.5020



32.8160, -0.3760, 50.8880



67.6260, -0.6150, 104.8010



# Inverse Universe

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



41.9810, 46.8510, 37.4990



50.3950, 63.7210, 51.1530



66.9770, -29.8380, -53.9820



52.1360, 2.6130, 2.2050



42.2640, 53.5440, 42.8560

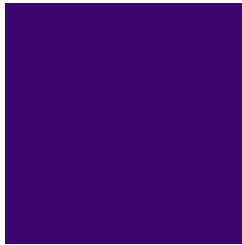


86.9630, 110.2970, 88.1290



# Previews

## White Background



This preview shows how the YIQ color 33.7140, -0.3290, 44.5270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

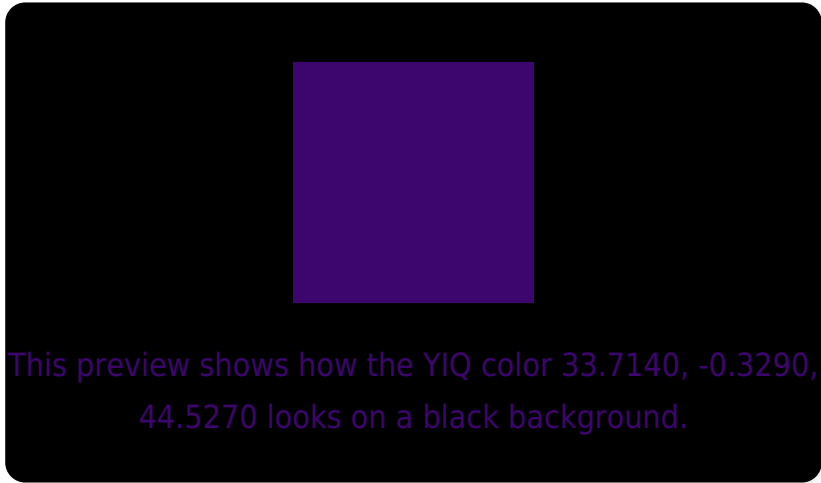
Any Text WCAG AA ✓ Pass

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

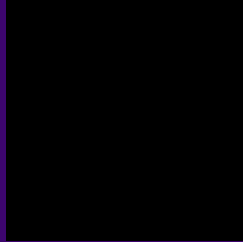
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 33.7140, -0.3290, 44.5270**

## **Background**



This preview shows how black text looks on a background with the YIQ color 33.7140, -0.3290, 44.5270.



This preview shows how white text looks on a background with the YIQ color 33.7140, -0.3290,



# 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

33.7140, -0.3290, 44.5270

### Protanopia

35.3870, -40.3940, 5.1900

### Deuteranopia

35.1930, -37.0920, 0.4120



## Tritanopia

44.2390, 0.8250, 1.5690

# Trichromacy



## Original Color

33.7140, -0.3290, 44.5270

## Protanomaly

34.6590, -26.0000, 19.6640

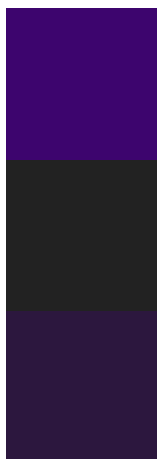
## Deuteranomaly

34.3340, -23.7070, 16.6530

## Tritanomaly

40.1380, 0.2720, 17.1040

# Monochromacy



## Original Color

33.7140, -0.3290, 44.5270

## Achromatopsia

34.0000, -0.0000, 0.0000

## Achromatomaly

33.7250, -0.0030, 16.5810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 33.7140, -0.3290, 44.5270 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(61, 5, 110)` looks like.

```
.text, #text, p{  
    color:rgb(61, 5, 110)  
}
```

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(61, 5, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 5, 110) }
```

## Border

The CSS property to change the border of an element to YIQ 33.7140, -0.3290, 44.5270 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(61, 5, 110) }
```



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

```
.border{ border-color:rgb(61, 5, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 5, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 5, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 5, 110);  
box-shadow:4px 4px 4px 4px rgb(61, 5, 110)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 33.7140, -0.3290, 44.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 5, 110) }
```

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

```
.background{ background-color: rgb(61, 5,  
110) }
```

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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