

# Converting Colors

YIQ(33.3560, 6.7310, 48.7390)

Have a look what the booklet for  
YIQ(33.3560, 6.7310, 48.7390)  
contains.

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# Color

**YIQ(33.3560, 6.7310,  
48.7390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46006D
RGB	70, 0, 109
RGB Percent	27%, 0%, 43%
CMY	0.7252, 1.0000, 0.5726
CMYK	0.36, 1.00, 0.00, 0.57
HSL	279°, 100%, 21%
HSV	279°, 100%, 43%
XYZ	5.2896, 2.4081, 14.6499
YIQ	33.3560, 6.7310, 48.7390

# Conversions

## Conversions Part 2

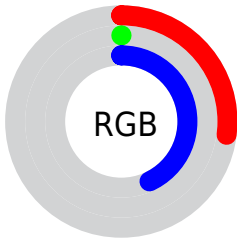
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 0, 109
Decimal	4587629
CIE <sub>Lab</sub>	17.50, 46.51, -44.73
CIE <sub>LCh</sub>	17, 64.527, 316.118
Yxy	2.4081, 0.2367, 0.1078
Android (android.graphics.Color)	4282777709 (0xFF46006D)
YUV	33.3560, 37.2925, 32.1368
Hunter-Lab	15.5181, 33.6881, -45.1099

# Details

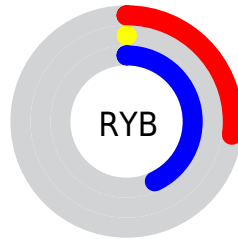
The YIQ color **33.3560, 6.7310, 48.7390** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **75.6440, -6.7310, -48.7390**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **89.1770, 5.6770, 45.8130**, and **12.8200, -7.3400, 22.9000** is the 20% darker color. If you saturate the color by 10%, you get **33.3560, 6.7310, 48.7390**, and if you desaturate by 10%, it is **41.0090, 6.0900, 43.8340**.

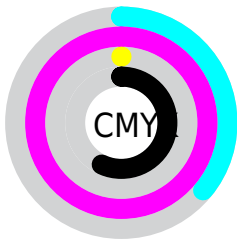
# Distribution



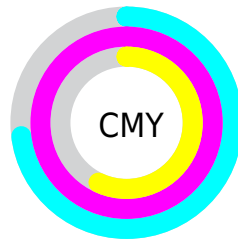
- Red (27%)
- Green (0%)
- Blue (43%)



- Red (27%)
- Yellow (0%)
- Blue (43%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (57%)




- Cyan (73%)
- Magenta (100%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 33.3560, 6.7310, 48.7390 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 33.3560, 6.7310, 48.7390 by changing the saturation by 10% instead.





 33.3560, 6.7310,  
48.7390


 33.3560, 6.7310,  
48.7390


 250.3040, 2.2000,  
4.1840

 22.7320, -0.7400,  
35.4520


 89.1770, 5.6770,  
45.8130


 12.8200, -7.3400,  
22.9000

 115.4160, 6.5020,  
47.3820


 5.3920, -12.4270,  
10.4610

 142.2420, 7.0520,  
48.4280

 2.1830, -4.7690,  
3.8310


 169.1820, 7.2810,  
49.7850

 0.0000, 0.0000,  
0.0000

 194.7280, 14.2510,  
44.6110


 216.8450, 17.8750,


33.9950


 233.2810, 10.1750,  
19.3510

 33.3560, 6.7310,  
48.7390

 41.0090, 6.0900,  
43.8340

 48.6620, 5.4490,  
38.9290

 56.3150, 4.8080,  
34.0240

 63.9680, 4.1670,  
29.1190

 71.0340, 3.8010,  
24.7370

■ 78.3880, 2.5640,  
19.6200

■ 86.0410, 1.9230,  
14.7150

■ 93.6940, 1.2820,  
9.8100

■ 101.3470, 0.6410,  
4.9050

# Harmonies

## Analogous

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



40.0440, -54.8850, 20.0190



33.3560, 6.7310, 48.7390



40.5280, 44.0530, 44.1570

# Triad

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



33.3560, 6.7310, 48.7390



40.6000, 33.2410, -2.2070



42.3850, -38.0530, -9.7090

# Complementary

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



33.3560, 6.7310, 48.7390



75.6440, -6.7310, -48.7390

# 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.



36.0980, -21.7280, -24.7360



33.3560, 6.7310, 48.7390



37.7330, 4.4050, -19.2670

# Square

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



33.3560, 6.7310, 48.7390



30.1990, 60.1960, 21.4120



32.2850, -15.1250, -28.7650



47.2870, -51.8560, 3.6640



# Rectangle

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



33.3560, 6.7310, 48.7390



39.0870, 58.1760, 36.0000



32.2850, -15.1250, -28.7650



40.5610, -32.9170, -14.6850

# Sweetspot

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



33.3560, 6.7310, 48.7390



112.9750, 2.2890, 19.0970



35.9060, -45.9890, 12.9790



53.6340, 1.5110, 11.1670



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.



33.3560, 6.7310, 48.7390



43.8100, 8.9290, 63.9770



43.3070, 34.7900, 52.3420



49.8800, 0.4580, 2.7140



35.7630, 7.1430, 52.2870



74.8730, 14.9270, 109.4790



# Inverse Universe

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



37.0370, 52.4450, 35.2370



48.5710, 68.8570, 46.1770



65.6930, -34.7900, -52.3420



50.0220, 2.9340, 1.8940



39.7710, 56.2500, 37.8660

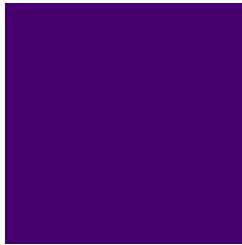


83.1730, 118.0930, 78.9970



# Previews

## White Background



This preview shows how the YIQ color 33.3560, 6.7310, 48.7390 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



This preview shows how the YIQ color 33.3560, 6.7310, 48.7390 looks on a 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 33.3560, 6.7310, 48.7390**

## **Background**



This preview shows how black text looks on a background with the YIQ color 33.3560, 6.7310, 48.7390.



This preview shows how white text looks on a background with the YIQ color 33.3560, 6.7310,



# 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

33.3560, 6.7310, 48.7390

### Protanopia

37.2450, -42.8700, 6.0100

### Deuteranopia

37.5240, -39.5220, 0.3980



## Tritanopia

47.8270, 7.9770, 4.1130

# Trichromacy



## Original Color

33.3560, 6.7310, 48.7390

## Protanomaly

35.8980, -25.1750, 21.2330

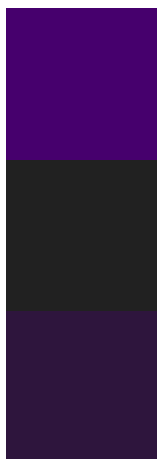
## Deuteranomaly

36.1600, -23.1570, 17.6990

## Tritanomaly

42.2530, 7.3780, 20.4820

# Monochromacy



## Original Color

33.3560, 6.7310, 48.7390

## Achromatopsia

33.0000, -0.0000, -0.0000

## Achromatomaly

33.0350, 2.0600, 17.7400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 33.3560, 6.7310, 48.7390 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(70, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 109)  
}
```

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(70, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 109) }
```

## Border

The CSS property to change the border of an element to YIQ 33.3560, 6.7310, 48.7390 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(70, 0, 109) }
```



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

```
.border{ border-color:rgb(70, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(70, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 109)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 33.3560, 6.7310, 48.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 109) }
```

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

```
.background{ background-color: rgb(70, 0,  
109) }
```

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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