

# Converting Colors

YIQ(48.3570, 3.8490, 12.8490)

Have a look what the booklet for  
YIQ(48.3570, 3.8490, 12.8490)  
contains.

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# Color

**YIQ(48.3570, 3.8490,  
12.8490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3C2742
RGB	60, 39, 66
RGB Percent	24%, 15%, 26%
CMY	0.7646, 0.8471, 0.7412
CMYK	0.09, 0.41, 0.00, 0.74
HSL	287°, 26%, 21%
HSV	287°, 41%, 26%
XYZ	3.5731, 2.8050, 5.5071
YIQ	48.3570, 3.8490, 12.8490

# Conversions

## Conversions Part 2

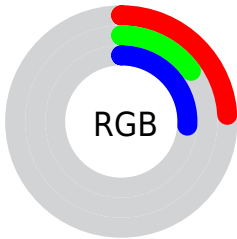
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 39, 66
Decimal	3942210
CIE <sub>Lab</sub>	19.25, 15.58, -13.20
CIE <sub>LCh</sub>	19, 20.415, 319.730
Yxy	2.8050, 0.3006, 0.2360
Android (android.graphics.Color)	4282132290 (0xFF3C2742)
YUV	48.3570, 8.6980, 10.2109
Hunter-Lab	16.7481, 8.7724, -7.7722




# Details

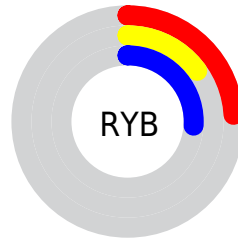
The YIQ color **48.3570, 3.8490, 12.8490** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **56.6430, -3.8490, -12.8490**, and the grayscale version is **48.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **94.5960, 4.6740, 14.4180**, and **7.8190, 2.4280, 11.0680** is the 20% darker color. If you saturate the color by 10%, you get **43.9490, 5.1780, 16.2980**, and if you desaturate by 10%, it is **52.7650, 2.5200, 9.4000**.

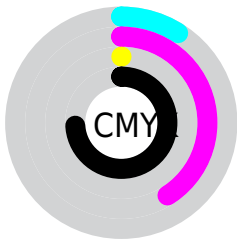
# Distribution







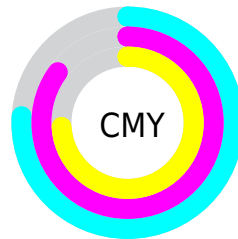
-  Red (24%)
-  Green (15%)
-  Blue (26%)






-  Red (24%)
-  Yellow (15%)
-  Blue (26%)



-  Cyan (9%)
-  Magenta (41%)
-  Yellow (0%)
-  Black (74%)



-  Cyan (76%)
-  Magenta (85%)
-  Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 48.3570, 3.8490, 12.8490 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 48.3570, 3.8490, 12.8490 by changing the saturation by 10% instead.



■ 48.3570, 3.8490,  
12.8490

■ 48.3570, 3.8490,  
12.8490

■ 255.0000, -0.0000,  
-0.0000

■ 26.9440, 3.5740,  
12.3260

■ 94.5960, 4.6740,  
14.4180

■ 7.8190, 2.4280,  
11.0680

■ 119.7100, 4.3530,  
14.7290

■ 0.0000, 0.0000,  
0.0000

■ 145.4220, 5.2240,  
15.4640

■ 171.8350, 5.4990,  
15.9870

■ 199.2480, 5.7740,  
16.5100

■ 227.3620, 5.4530,

16.8210

248.5430, 3.0250,  
5.7530

48.3570, 3.8490,  
12.8490

48.3570, 3.8490,  
12.8490

43.9490, 5.1780,  
16.2980

52.7650, 2.5200,  
9.4000

39.8290, 5.6360,  
19.0120

56.8850, 2.0620,  
6.6860

35.4210, 6.9650,  
22.4610

61.2930, 0.7330,  
3.2370

31.3010, 7.4230,  
25.1750

65.4130, 0.2750,  
0.5230

26.8930, 8.7520,  
28.6240

69.8210, -1.0540,  
-2.9260

■ 22.7730, 9.2100,  
31.3380

■ 74.5280, -1.7870,  
-6.1630

■ 78.3490, -2.8410,  
-9.0890

■ 83.0560, -3.5740,  
-12.3260

■ 86.8770, -4.6280,  
-15.2520

# Harmonies

## Analogous

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



46.9250, -12.6100, 8.2700



48.3570, 3.8490, 12.8490



48.0010, 16.5950, 13.1310

# Triad

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



48.3570, 3.8490, 12.8490



45.7060, 18.2030, -5.0050



38.0820, -32.8260, -10.8260

# Complementary

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



48.3570, 3.8490, 12.8490



56.6430, -3.8490, -12.8490

# 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.



36.9700, -26.8190, -15.0670



48.3570, 3.8490, 12.8490



44.5690, 8.1630, -10.2770

# Square

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



48.3570, 3.8490, 12.8490



46.6730, 22.9700, 2.2180



42.2730, -5.6830, -12.6510



38.9770, -36.7240, -6.2600



# Rectangle

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



48.3570, 3.8490, 12.8490



47.1710, 21.8680, 11.1800



42.2730, -5.6830, -12.6510



37.5120, -31.2210, -12.3810

# Sweetspot

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



48.3570, 3.8490, 12.8490



79.6460, 1.2370, 5.1170



45.6000, -10.3170, 5.2590



39.1790, 1.0540, 2.9260



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000



# Same Dimension

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



48.3570, 3.8490, 12.8490



58.7690, 5.8650, 20.3690



49.3530, 9.6720, 11.9440



30.9400, 0.2290, 1.3570



33.4830, 13.5630, 46.0670



77.8610, 32.3960, 106.7640



# Inverse Universe

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



47.7570, 14.1660, 7.5900



57.9970, 22.4180, 12.2260



55.6470, -9.6720, -11.9440



31.0110, 1.4670, 0.9470



31.3970, 51.0710, 27.0950



72.6760, 117.4540, 63.0380



# Previews

## White Background



This preview shows how the YIQ color 48.3570, 3.8490, 12.8490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

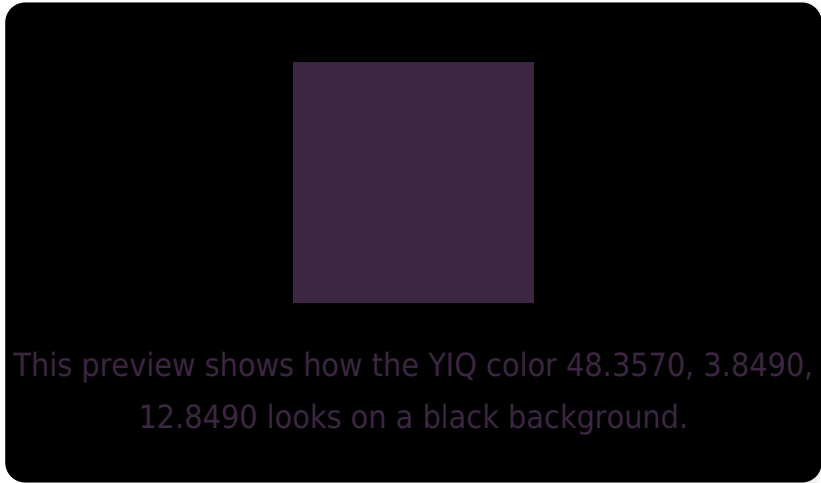
Any Text WCAG AA ✓ Pass

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

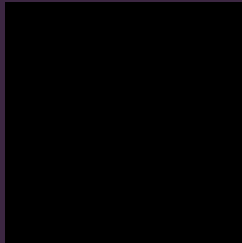
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 48.3570, 3.8490, 12.8490**

## **Background**



This preview shows how black text looks on a background with the YIQ color 48.3570, 3.8490, 12.8490.



This preview shows how white text looks on a background with the YIQ color 48.3570, 3.8490,



# 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

48.3570, 3.8490, 12.8490

### Protanopia

46.5720, -13.1140, 6.3900

### Deuteranopia

46.6710, -9.0790, 4.8490



## Tritanopia

47.6420, 7.0600, 4.2120

# Trichromacy



## Original Color

48.3570, 3.8490, 12.8490

## Protanomaly

46.9750, -6.8790, 9.0330

## Deuteranomaly

47.0030, -4.0820, 7.9020

## Tritanomaly

48.1520, 5.6840, 7.1240

# Monochromacy



## Original Color

48.3570, 3.8490, 12.8490

## Achromatopsia

48.0000, -0.0000, 0.0000

## Achromatomaly

48.2330, 0.9620, 4.5940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 48.3570, 3.8490, 12.8490 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(60, 39, 66)` looks like.

```
.text, #text, p{  
    color:rgb(60, 39, 66)  
}
```

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(60, 39, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 39, 66) }
```

## Border

The CSS property to change the border of an element to YIQ 48.3570, 3.8490, 12.8490 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(60, 39, 66) }
```



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

```
.border{ border-color:rgb(60, 39, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 39, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 39, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 39, 66);  
box-shadow:4px 4px 4px 4px rgb(60, 39, 66)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 48.3570, 3.8490, 12.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 39, 66) }
```

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

```
.background{ background-color: rgb(60, 39,  
66) }
```

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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