

# Converting Colors

YIQ(49.0870, 4.3090, 4.5090)

Have a look what the booklet for  
YIQ(49.0870, 4.3090, 4.5090)  
contains.

<b>YIQ(49.0870, 4.3090, 4.5090)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**YIQ(49.0870, 4.3090, 4.5090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	382D34
RGB	56, 45, 52
RGB Percent	22%, 18%, 20%
CMY	0.7804, 0.8235, 0.7961
CMYK	0.00, 0.20, 0.07, 0.78
HSL	322°, 11%, 20%
HSV	322°, 20%, 22%
XYZ	3.1894, 2.9654, 3.6534
YIQ	49.0870, 4.3090, 4.5090

# Conversions

## Conversions Part 2

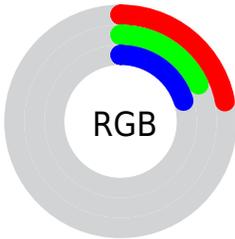
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	56, 45, 52
Decimal	3681588
CIE Lab	19.90, 6.51, -2.60
CIE LCh	20, 7.013, 338.211
Yxy	2.9654, 0.3252, 0.3023
Android (android.graphics.Color)	4281871668 (0xFF382D34)
YUV	49.0870, 1.4361, 6.0627
Hunter-Lab	17.2202, 2.9254, -0.5248

# Details

The YIQ color **49.0870, 4.3090, 4.5090** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **51.9130, -4.3090, -4.5090**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.3860, 4.9050, 4.7210**, and **4.5710, 5.8220, 4.6220** is the 20% darker color. If you saturate the color by 10%, you get **45.3370, 6.6010, 7.0250**, and if you desaturate by 10%, it is **52.8370, 2.0170, 1.9930**.

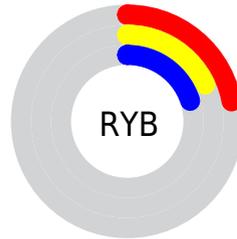
# Distribution



Red (22%)

Green (18%)

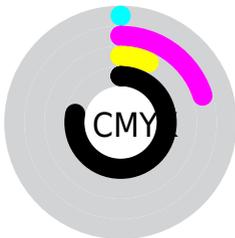
Blue (20%)



Red (22%)

Yellow (18%)

Blue (20%)

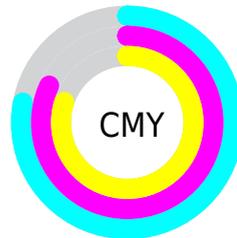


Cyan (0%)

Magenta (20%)

Yellow (7%)

Black (78%)



Cyan (78%)

Magenta (82%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 49.0870, 4.3090, 4.5090 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 49.0870, 4.3090, 4.5090 by changing the saturation by 10% instead.

■ 49.0870, 4.3090,  
4.5090

■ 49.0870, 4.3090,  
4.5090

■ 255.0000, -0.0000,  
-0.0000

■ 27.7880, 3.7130,  
4.2970

■ 95.3860, 4.9050,  
4.7210

■ 4.5710, 5.8220,  
4.6220

■ 119.7990, 5.1800,  
5.2440

■ 0.0000, 0.0000,  
0.0000

■ 145.7990, 5.1800,  
5.2440

■ 172.2120, 5.4550,  
5.7670

■ 199.2120, 5.4550,  
5.7670

■ 227.5110, 6.0510,

5.9790

252.6520, 1.1000,  
2.0920

49.0870, 4.3090,  
4.5090

49.0870, 4.3090,  
4.5090

45.3370, 6.6010,  
7.0250

52.8370, 2.0170,  
1.9930

42.1740, 8.6180,  
9.0180

56.0000, -0.0000,  
0.0000

38.4240, 10.9100,  
11.5340

59.7500, -2.2920,  
-2.5160

35.2610, 12.9270,  
13.5270

62.9130, -4.3090,  
-4.5090

31.5110, 15.2190,  
16.0430

66.6630, -6.6010,  
-7.0250

■ 27.7610, 17.5110,  
18.5590

■ 70.4130, -8.8930,  
-9.5410

■ 24.5980, 19.5280,  
20.5520

■ 73.5760, -10.9100,  
-11.5340

■ 20.8480, 21.8200,  
23.0680

■ 77.3260, -13.2020,  
-14.0500

■ 80.4890, -15.2190,  
-16.0430

# Harmonies

## Analogous

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



48.6350, -0.2300, 4.1700



49.0870, 4.3090, 4.5090



49.4140, 7.7020, 3.5900

# Triad

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



49.0870, 4.3090, 4.5090



47.7570, 4.9980, -2.4740



46.5580, -10.4990, -2.4590

# Complementary

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



49.0870, 4.3090, 4.5090



51.9130, -4.3090, -4.5090

# Split Complementary

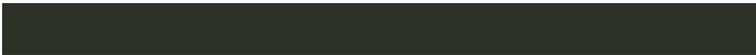
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.9880, -8.8940, -4.0140



49.0870, 4.3090, 4.5090



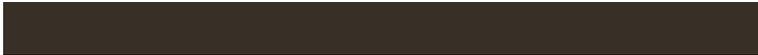
47.3650, 0.2300, -4.1700

# Square

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



49.0870, 4.3090, 4.5090



48.7790, 7.9320, -0.5800



46.6140, -4.9050, -4.7210



47.2100, -9.3990, -0.3670

# Rectangle

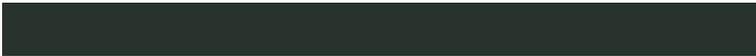
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0870, 4.3090, 4.5090



48.9580, 8.9860, 2.3460



46.6140, -4.9050, -4.7210



46.4440, -10.1780, -2.7700

# Sweetspot

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



49.0870, 4.3090, 4.5090



71.4240, 1.7420, 1.4700



47.4500, -1.1470, 4.2690



36.7120, 0.8710, 0.7350



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



49.0870, 4.3090, 4.5090



62.6360, 7.1970, 7.2370



48.5170, 5.9140, 2.9540



26.1250, 1.1460, 1.2580



34.1200, 36.2140, 37.5420



81.4410, 85.5840, 89.9680



# Inverse Universe

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



49.0870, 4.3090, 4.5090



62.6360, 7.1970, 7.2370



52.4830, -5.9140, -2.9540



26.1250, 1.1460, 1.2580



34.1200, 36.2140, 37.5420



81.4410, 85.5840, 89.9680



# Previews

## White Background



This preview shows how the YIQ color 49.0870, 4.3090, 4.5090 looks on a white background.

## Color Contrast Check

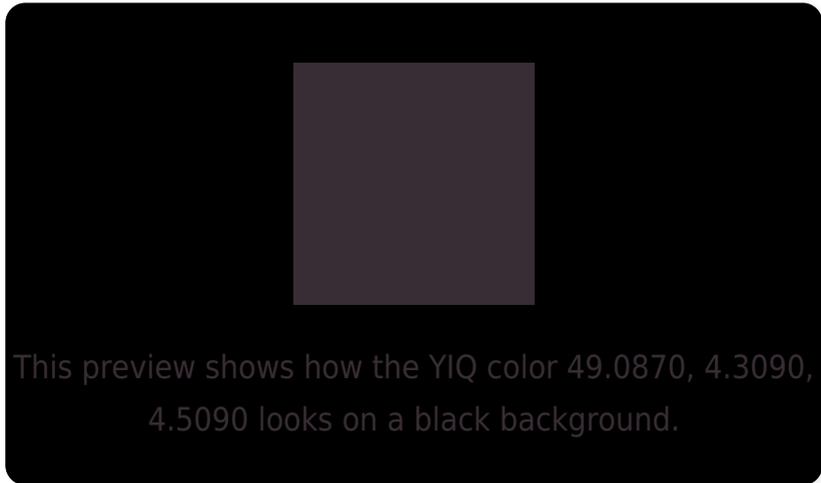
Large Text (above 18pt) WCAG AA ✓ Pass

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

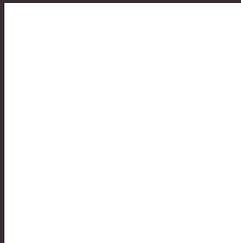
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 49.0870, 4.3090, 4.5090**

## **Background**



This preview shows how black text looks on a background with the YIQ color 49.0870, 4.3090, 4.5090.

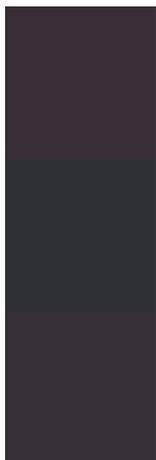


This preview shows how white text looks on a background with the YIQ color 49.0870, 4.3090, 4.5090.

# 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

49.0870, 4.3090, 4.5090

### Protanopia

48.3850, -2.5220, 1.6540

### Deuteranopia

48.7660, 0.7790, 2.4030



## Tritanopia

48.7450, 5.2720, 3.5760

# Trichromacy



## Original Color

49.0870, 4.3090, 4.5090

## Protanomaly

48.5810, -0.1380, 2.5020

## Deuteranomaly

48.7770, 2.2460, 3.3500

## Tritanomaly

48.8590, 4.9510, 3.8870

# Monochromacy



## Original Color

49.0870, 4.3090, 4.5090

## Achromatopsia

49.0000, -0.0000, -0.0000

## Achromatomaly

49.4240, 1.7420, 1.4700

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 49.0870, 4.3090, 4.5090 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(56, 45, 52)` looks like.

```
.text, #text, p{  
    color:rgb(56, 45, 52)  
}
```

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(56, 45, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 45, 52) }
```

## Border

The CSS property to change the border of an element to YIQ 49.0870, 4.3090, 4.5090 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(56, 45, 52) }
```

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

```
.border{ border-color:rgb(56, 45, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 45, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 45, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 45, 52);  
box-shadow:4px 4px 4px 4px rgb(56, 45, 52)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 49.0870, 4.3090, 4.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 45, 52) }
```

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

```
.background{ background-color: rgb(56, 45,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor