

# Converting Colors

YIQ(52.2870, 10.0380, 16.3260)

Have a look what the booklet for  
YIQ(52.2870, 10.0380, 16.3260)  
contains.

<b>YIQ(52.2870, 10.0380, 16.3260)</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> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(52.2870, 10.0380,  
16.3260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	482745
RGB	72, 39, 69
RGB Percent	28%, 15%, 27%
CMY	0.7175, 0.8471, 0.7294
CMYK	0.00, 0.46, 0.04, 0.72
HSL	305°, 30%, 22%
HSV	305°, 46%, 28%
XYZ	4.4737, 3.2585, 6.0241
YIQ	52.2870, 10.0380, 16.3260

# Conversions

## Conversions Part 2

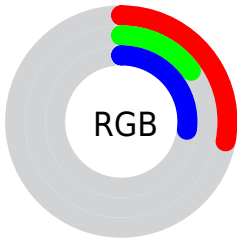
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 39, 69
Decimal	4728645
CIE Lab	21.05, 20.83, -12.33
CIE LCh	21, 24.202, 329.377
Yxy	3.2585, 0.3252, 0.2369
Android (android.graphics.Color)	4282918725 (0xFF482745)
YUV	52.2870, 8.2395, 17.2883
Hunter-Lab	18.0514, 12.6481, -7.1502

# Details

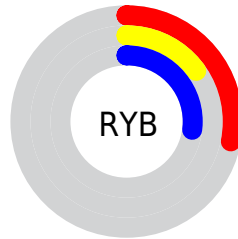
The YIQ color **52.2870, 10.0380, 16.3260** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **58.7130, -10.0380, -16.3260**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.4120, 11.1840, 17.5840**, and **11.9340, 9.5340, 14.4460** is the 20% darker color. If you saturate the color by 10%, you get **48.0640, 12.2840, 19.6760**, and if you desaturate by 10%, it is **56.5100, 7.7920, 12.9760**.

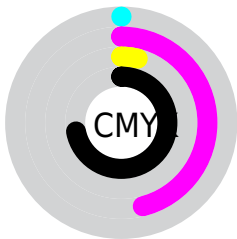
# Distribution



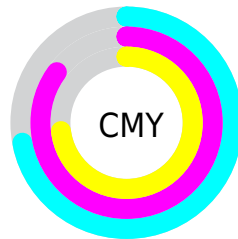
- Red (28%)
- Green (15%)
- Blue (27%)



- Red (28%)
- Yellow (15%)
- Blue (27%)



- Cyan (0%)
- Magenta (46%)
- Yellow (4%)
- Black (72%)



- Cyan (72%)
- Magenta (85%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 52.2870, 10.0380, 16.3260 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 52.2870, 10.0380, 16.3260 by changing the saturation by 10% instead.



■ 52.2870, 10.0380,  
16.3260

■ 52.2870, 10.0380,  
16.3260

■ 255.0000, -0.0000,  
-0.0000

■ 30.5750, 9.1670,  
15.5910

■ 99.4120, 11.1840,  
17.5840

■ 12.2330, 10.1300,  
14.6580

■ 125.1240, 12.0550,  
18.3190

■ 0.0000, 0.0000,  
0.0000

■ 150.5370, 12.3300,  
18.8420

■ 177.9500, 12.6050,  
19.3650

■ 205.3630, 12.8800,  
19.8880

■ 232.4660, 11.0920,

19.2520

249.1300, 2.7500,  
5.2300

52.2870, 10.0380,  
16.3260

52.2870, 10.0380,  
16.3260

48.0640, 12.2840,  
19.6760

56.5100, 7.7920,  
12.9760

43.9550, 14.2090,  
23.3370

60.6190, 5.8670,  
9.3150

39.1450, 16.7300,  
27.2100

65.4290, 3.3460,  
5.4420

34.9220, 18.9760,  
30.5600

69.6520, 1.1000,  
2.0920

30.8130, 20.9010,  
34.2210

73.7610, -0.8250,  
-1.5690

■ 28.9380, 22.0470,  
35.4790

■ 77.9840, -3.0710,  
-4.9190

■ 82.2070, -5.3170,  
-8.2690

■ 86.9030, -7.5170,  
-12.4530

■ 91.1260, -9.7630,  
-15.8030

# Harmonies

## Analogous

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



51.5990, -8.5760, 12.2560



52.2870, 10.0380, 16.3260



50.9910, 22.5550, 15.2510

# Triad

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



52.2870, 10.0380, 16.3260



49.0710, 18.4330, -9.1750



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.



52.2870, 10.0380, 16.3260



58.7130, -10.0380, -16.3260

# 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.



40.3330, -32.2750, -15.3070



52.2870, 10.0380, 16.3260



47.1940, 4.7250, -14.0510

# Square

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



52.2870, 10.0380, 16.3260



49.9460, 26.4550, -0.3690



43.3750, -14.8980, -16.3540



42.6930, -41.6760, -4.6200



# Rectangle

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



52.2870, 10.0380, 16.3260



50.8080, 27.3240, 11.4200



43.3750, -14.8980, -16.3540



41.7010, -36.1270, -11.5750

# Sweetspot

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



52.2870, 10.0380, 16.3260



86.2550, 3.8960, 6.4880



43.6590, -8.8050, 10.8990



43.3040, 2.2000, 4.1840



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



52.2870, 10.0380, 16.3260



63.0200, 15.5840, 25.9520



50.4630, 15.1740, 11.3500



33.5380, 1.4210, 1.7810



39.8610, 30.1140, 48.9780



91.3570, 69.1660, 112.1900



# Inverse Universe

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



52.2870, 10.0380, 16.3260



63.0200, 15.5840, 25.9520



60.5370, -15.1740, -11.3500



33.5380, 1.4210, 1.7810



39.8610, 30.1140, 48.9780



91.3570, 69.1660, 112.1900



# Previews

## White Background



This preview shows how the YIQ color 52.2870, 10.0380, 16.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

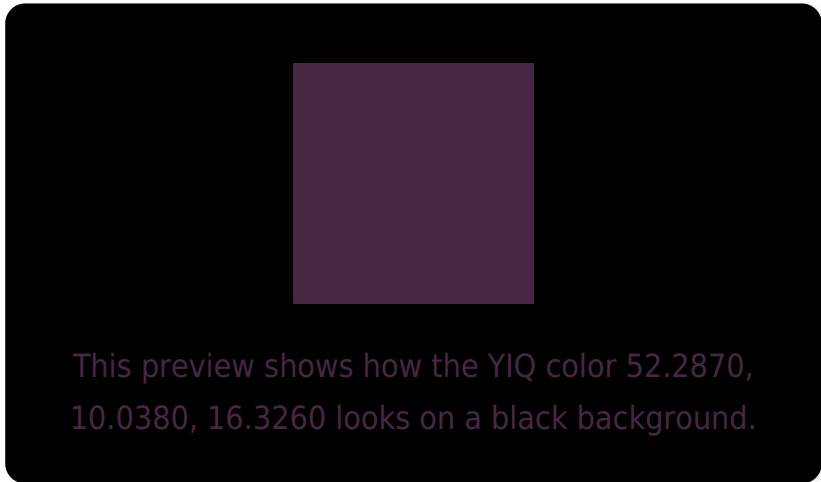
Any Text WCAG AA ✓ Pass

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

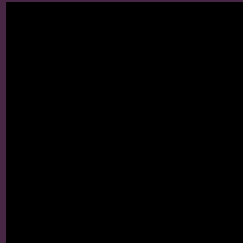
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 52.2870, 10.0380, 16.3260**

## **Background**



This preview shows how black text looks on a background with the YIQ color 52.2870, 10.0380, 16.3260.



This preview shows how white text looks on a background with the YIQ color 52.2870, 10.0380,



# 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

52.2870, 10.0380, 16.3260

### Protanopia

50.5010, -14.3520, 6.8000

### Deuteranopia

51.0410, -7.2450, 4.6510



## Tritanopia

51.8170, 13.9370, 6.2330

# Trichromacy



## Original Color

52.2870, 10.0380, 16.3260

## Protanomaly

51.1000, -5.7330, 10.2910

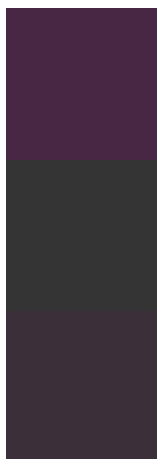
## Deuteranomaly

51.4980, -1.1020, 8.9620

## Tritanomaly

51.8540, 12.5150, 9.9790

# Monochromacy



## Original Color

52.2870, 10.0380, 16.3260

## Achromatopsia

52.0000, -0.0000, -0.0000

## Achromatomaly

51.8420, 3.6210, 5.9650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 52.2870, 10.0380, 16.3260 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(72, 39, 69)` looks like.

```
.text, #text, p{  
    color:rgb(72, 39, 69)  
}
```

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(72, 39, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 39, 69) }
```

## Border

The CSS property to change the border of an element to YIQ 52.2870, 10.0380, 16.3260 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(72, 39, 69) }
```



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

```
.border{ border-color:rgb(72, 39, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 39, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 39, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 39, 69);  
box-shadow:4px 4px 4px 4px rgb(72, 39, 69)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 52.2870, 10.0380, 16.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 39, 69) }
```

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

```
.background{ background-color: rgb(72, 39,  
69) }
```

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