

Converting Colors

YIQ(51.4870, 16.9080, 57.0360)

Have a look what the booklet for
YIQ(51.4870, 16.9080, 57.0360)
contains.

YIQ(51.4870, 16.9080, 57.0360)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(51.4870, 16.9080,
57.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	670A82
RGB	103, 10, 130
RGB Percent	40%, 4%, 51%
CMY	0.5958, 0.9609, 0.4902
CMYK	0.21, 0.92, 0.00, 0.49
HSL	287°, 86%, 27%
HSV	287°, 92%, 51%
XYZ	9.7391, 4.7158, 21.5137
YIQ	51.4870, 16.9080, 57.0360

Conversions

Conversions Part 2

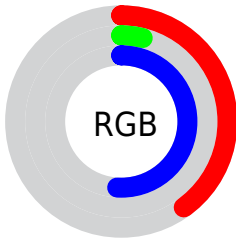
Format	Color
RYB	103, 10, 130
Decimal	6752898
CIELab	25.91, 53.33, -44.23
CIElCh	26, 69.284, 320.328
Yxy	4.7158, 0.2708, 0.1311
Android (android.graphics.Color)	4284942978 (0xFF670A82)
YUV	51.4870, 38.7069, 45.1769
Hunter-Lab	21.7159, 42.0507, -43.5369

Details

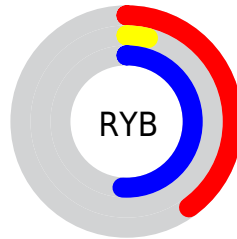
The YIQ color **51.4870, 16.9080, 57.0360** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **88.5130, -16.9080, -57.0360**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **109.8950, 15.5790, 53.5870**, and **24.0700, 4.1200, 35.4800** is the 20% darker color. If you saturate the color by 10%, you get **45.0190, 18.4660, 61.8420**, and if you desaturate by 10%, it is **60.0150, 15.1210, 50.8730**.

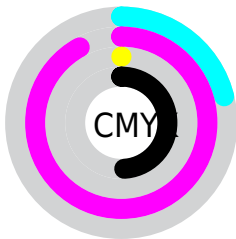
Distribution



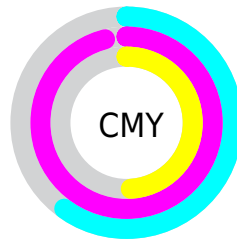
- Red (40%)
- Green (4%)
- Blue (51%)



- Red (40%)
- Yellow (4%)
- Blue (51%)



- Cyan (21%)
- Magenta (92%)
- Yellow (0%)
- Black (49%)



- Cyan (60%)
- Magenta (96%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.4870, 16.9080, 57.0360 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 51.4870, 16.9080, 57.0360 by changing the saturation by 10% instead.

■ 51.4870, 16.9080,
57.0360

■ 51.4870, 16.9080,
57.0360

■ 255.0000, -0.0000,
-0.0000

■ 34.5800, 11.9120,
48.4560

■ 109.8950, 15.5790,
53.5870

■ 24.0700, 4.1200,
35.4800

■ 136.7210, 16.1290,
54.6330

■ 13.8590, -3.0760,
22.7160

■ 164.4330, 17.0000,
55.3680

■ 4.9360, -11.1430,
9.2170

■ 190.6630, 22.0440,
52.0600

■ 0.7980, -2.2470,
2.1770


■ 210.3880, 20.9000,
39.7480


■ 0.0000, 0.0000,
0.0000


■ 226.8240, 13.2000,


25.1040


 243.8470, 5.2250,
9.9370


 51.4870, 16.9080,
57.0360


 51.4870, 16.9080,
57.0360


 45.0190, 18.4660,
61.8420

 60.0150, 15.1210,
50.8730

 68.5430, 13.3340,
44.7100

 77.0710, 11.5470,
38.5470

 85.5990, 9.7600,
32.3840

 94.1270, 7.9730,
26.2210

■ 102.6550, 6.1860,
20.0580

■ 110.8840, 3.8030,
13.6830

■ 119.4120, 2.0160,
7.5200

■ 127.9400, 0.2290,
1.3570

Harmonies

Analogous

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



51.4540, -67.7230, 21.4050



51.4870, 16.9080, 57.0360



51.3930, 58.0350, 55.0830

Triad

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



51.4870, 16.9080, 57.0360



58.0210, 39.0650, -8.6390



58.6050, -53.4120, -12.1960

Complementary

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



51.4870, 16.9080, 57.0360



88.5130, -16.9080, -57.0360

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.



51.7480, -35.4820, -28.7780



51.4870, 16.9080, 57.0360



52.7620, 5.4610, -27.3950

Square

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



51.4870, 16.9080, 57.0360



46.4790, 70.9710, 18.8670



45.1990, -21.1750, -40.2710



63.2620, -67.9030, 2.6330

Rectangle

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



51.4870, 16.9080, 57.0360



49.1970, 72.8460, 45.4700



45.1990, -21.1750, -40.2710



56.5530, -47.6340, -17.7940

Sweetspot

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



51.4870, 16.9080, 57.0360



137.4210, 6.9650, 22.4610



40.1160, -46.2200, 22.6760



65.7700, 4.1240, 13.3720



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



51.4870, 16.9080, 57.0360



58.3210, 24.1480, 80.0200



55.9120, 43.2720, 52.8080



59.2930, 0.7330, 3.2370



44.1930, 17.9160, 60.7960



0.0000, 0.0000, 0.0000

Inverse Universe

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



48.9580, 62.8530, 33.8370



54.5640, 87.9300, 47.4340



84.0880, -43.2720, -52.8080



59.3210, 3.5300, 2.1060



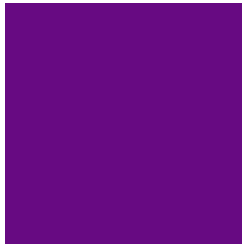
41.5780, 66.9790, 36.1550



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 51.4870, 16.9080, 57.0360 looks on a white background.

Color Contrast Check

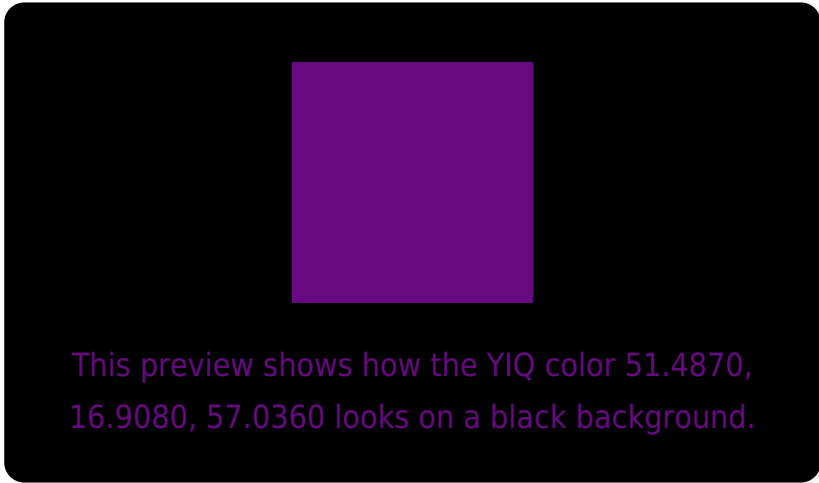
Large Text (above 18pt) WCAG AA ✓ Pass

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

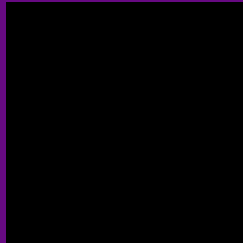
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.4870, 16.9080, 57.0360

Background



This preview shows how black text looks on a background with the YIQ color 51.4870, 16.9080, 57.0360.



This preview shows how white text looks on a background with the YIQ color 51.4870, 16.9080,

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

51.4870, 16.9080, 57.0360

Protanopia

51.2140, -58.7800, 8.0040

Deuteranopia

51.1510, -54.4690, 1.4590



Tritanopia

63.7150, 23.1520, 9.9360

Trichromacy



Original Color

51.4870, 16.9080, 57.0360

Protanomaly

51.1240, -31.5030, 25.7850

Deuteranomaly

51.1580, -28.8430, 21.6290

Tritanomaly

59.1840, 20.9940, 27.0260

Monochromacy



Original Color

51.4870, 16.9080, 57.0360

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.1820, 6.1400, 20.8920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.4870, 16.9080, 57.0360 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(103, 10, 130)` looks like.

```
.text, #text, p{  
    color:rgb(103, 10, 130)  
}
```

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(103, 10, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 10, 130) }
```

Border

The CSS property to change the border of an element to YIQ 51.4870, 16.9080, 57.0360 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(103, 10, 130) }
```


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

```
.border{ border-color:rgb(103, 10, 130) }
```

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

Here you see how a box with a 4 pixel rgb(103, 10, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 10, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 10, 130);  
box-shadow:4px 4px 4px 4px rgb(103, 10,  
130) }
```

Background

The CSS property to change the background color of an element to YIQ 51.4870, 16.9080, 57.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 10, 130) }
```

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

```
.background{ background-color: rgb(103, 10,  
130) }
```

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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