

Converting Colors

YIQ(49.0070, 16.4580, 10.1060)

Have a look what the booklet for
YIQ(49.0070, 16.4580, 10.1060)
contains.

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Color

**YIQ(49.0070, 16.4580,
10.1060)**

Conversions

Conversions Part 1

Format	Color
Hex	472630
RGB	71, 38, 48
RGB Percent	28%, 15%, 19%
CMY	0.7215, 0.8510, 0.8117
CMYK	0.00, 0.47, 0.32, 0.72
HSL	342°, 30%, 21%
HSV	342°, 47%, 28%
XYZ	3.8266, 2.9393, 3.1635
YIQ	49.0070, 16.4580, 10.1060

Conversions

Conversions Part 2

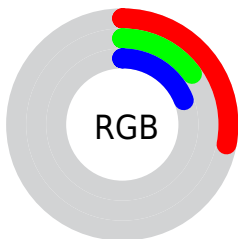
Format	Color
R_{YB}	71, 38, 48
Decimal	4662832
CIE Lab	19.80, 17.06, 0.24
CIE LCh	20, 17.063, 0.798
Yxy	2.9393, 0.3854, 0.2960
Android (android.graphics.Color)	4282852912 (0xFF472630)
YUV	49.0070, -0.4965, 19.2879
Hunter-Lab	17.1443, 9.8385, 1.0606

Details


The YIQ color **49.0070, 16.4580, 10.1060** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **59.9930, -16.4580, -10.1060**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.2030, 18.8420, 10.9540**, and **9.0840, 17.5590, 6.6710** is the 20% darker color. If you saturate the color by 10%, you get **44.3280, 19.9880, 12.2120**, and if you desaturate by 10%, it is **53.6860, 12.9280, 8.0000**.

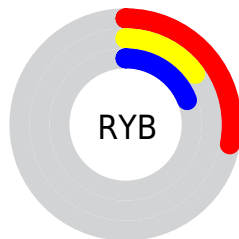
Distribution



 Red (28%)

 Green (15%)

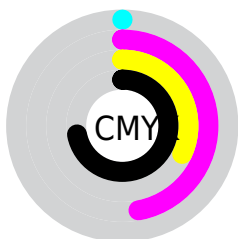
 Blue (19%)




 Red (28%)

 Yellow (15%)

 Blue (19%)

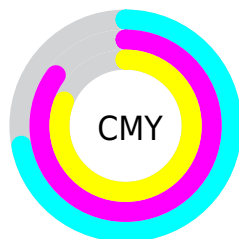


 Cyan (0%)


 Magenta (47%)

 Yellow (32%)

 Black (72%)



 Cyan (72%)

 Magenta (85%)

 Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.0070, 16.4580, 10.1060 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 49.0070, 16.4580, 10.1060 by changing the saturation by 10% instead.

■ 49.0070, 16.4580,
10.1060

■ 49.0070, 16.4580,
10.1060

■ 255.0000, -0.0000,
-0.0000

■ 27.4090, 15.2660,
9.6820

■ 96.2030, 18.8420,
10.9540

■ 9.0840, 17.5590,
6.6710

■ 120.9150, 19.7130,
11.6890

■ 0.0000, 0.0000,
0.0000

■ 147.1000, 20.6300,
11.5900

■ 173.5130, 20.9050,
12.1130

■ 201.1110, 22.0970,
12.5370

■ 228.2140, 20.3090,

11.9010

247.9560, 3.3000,
6.2760

49.0070, 16.4580,
10.1060

49.0070, 16.4580,
10.1060

44.3280, 19.9880,
12.2120

53.6860, 12.9280,
8.0000

39.6490, 23.5180,
14.3180

58.3650, 9.3980,
5.8940

34.9700, 27.0480,
16.4240

63.0440, 5.8680,
3.7880

30.2910, 30.5780,
18.5300

67.7230, 2.3380,
1.6820

25.0250, 34.3830,
21.1590

72.4020, -1.1920,
-0.4240

■ 23.7370, 35.2540,
21.8940

■ 77.6680, -4.9970,
-3.0530

■ 82.3470, -8.5270,
-5.1590

■ 87.0260, -12.0570,
-7.2650

■ 91.7050, -15.5870,
-9.3710

Harmonies

Analogous

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



49.4560, 7.8840, 11.3080



49.0070, 16.4580, 10.1060



48.2260, 20.0350, 5.8510

Triad

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



49.0070, 16.4580, 10.1060



45.7580, 3.2570, -9.4710



39.2870, -34.6610, -5.1010

Complementary

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



49.0070, 16.4580, 10.1060



59.9930, -16.4580, -10.1060

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.



38.5380, -34.1100, -9.5820



49.0070, 16.4580, 10.1060



43.1740, -9.7180, -11.1100

Square

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



49.0070, 16.4580, 10.1060



46.9550, 13.0680, -5.5560



39.5620, -25.4900, -11.6180



45.7560, -19.6240, 3.2240

Rectangle

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



49.0070, 16.4580, 10.1060



47.7050, 19.9440, 1.9920



39.5620, -25.4900, -11.6180



38.7490, -36.0820, -6.8820

Sweetspot

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



49.0070, 16.4580, 10.1060



83.3430, 6.4640, 4.0000



48.6390, 3.1150, 15.1390



40.6200, 4.1260, 2.3180



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



49.0070, 16.4580, 10.1060



57.3720, 25.8560, 16.0000



51.3890, 18.0180, 3.8580



33.3100, 2.0630, 1.1590



33.0210, 49.3740, 30.3180



75.7390, 113.1430, 69.5830

Inverse Universe

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



49.0070, 16.4580, 10.1060



57.3720, 25.8560, 16.0000



57.6110, -18.0180, -3.8580



33.3100, 2.0630, 1.1590



33.0210, 49.3740, 30.3180



75.7390, 113.1430, 69.5830

Previews

White Background



This preview shows how the YIQ color 49.0070, 16.4580, 10.1060 looks on a white background.

Color Contrast Check

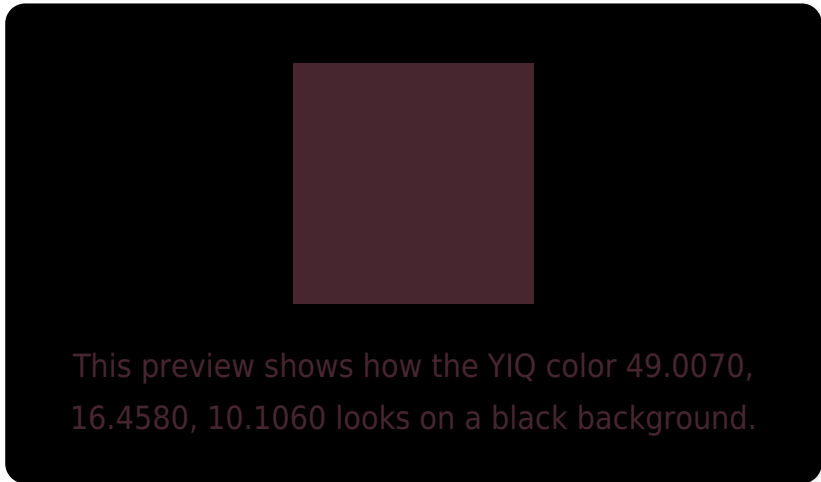
Large Text (above 18pt) WCAG AA ✓ Pass

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

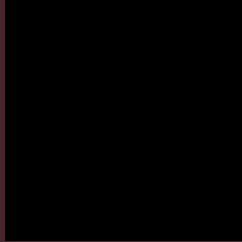
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.0070, 16.4580, 10.1060

Background



This preview shows how black text looks on a background with the YIQ color 49.0070, 16.4580, 10.1060.

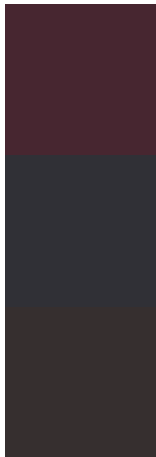


This preview shows how white text looks on a background with the YIQ color 49.0070, 16.4580,

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

49.0070, 16.4580, 10.1060

Protanopia

48.6840, -1.9260, 1.8660

Deuteranopia

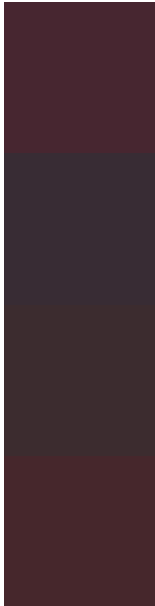
49.0930, 4.1720, 1.4840



Tritanopia

48.6110, 17.5130, 7.5050

Trichromacy



Original Color

49.0070, 16.4580, 10.1060

Protanomaly

48.5000, 4.5840, 5.0320

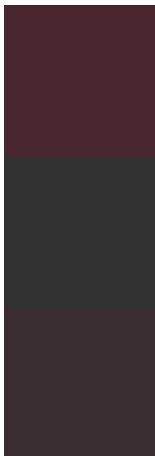
Deuteranomaly

49.1260, 8.5730, 4.3250

Tritanomaly

48.8390, 16.8710, 8.1270

Monochromacy



Original Color

49.0070, 16.4580, 10.1060

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.0440, 5.8680, 3.7880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.0070, 16.4580, 10.1060 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(71, 38, 48)` looks like.

```
.text, #text, p{  
    color:rgb(71, 38, 48)  
}
```

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(71, 38, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 38, 48) }
```

Border

The CSS property to change the border of an element to YIQ 49.0070, 16.4580, 10.1060 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(71, 38, 48) }
```


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

```
.border{ border-color:rgb(71, 38, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 38, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 38, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 38, 48);  
box-shadow:4px 4px 4px 4px rgb(71, 38, 48)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.0070, 16.4580, 10.1060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 38, 48) }
```

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

```
.background{ background-color: rgb(71, 38,  
48) }
```

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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