

Converting Colors

YIQ(49.4370, 18.0630, 8.5510)

Have a look what the booklet for
YIQ(49.4370, 18.0630, 8.5510)
contains.

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Color

**YIQ(49.4370, 18.0630,
8.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	48272C
RGB	72, 39, 44
RGB Percent	28%, 15%, 17%
CMY	0.7176, 0.8471, 0.8274
CMYK	0.00, 0.46, 0.39, 0.72
HSL	351°, 30%, 22%
HSV	351°, 46%, 28%
XYZ	3.8541, 3.0106, 2.7626
YIQ	49.4370, 18.0630, 8.5510

Conversions

Conversions Part 2

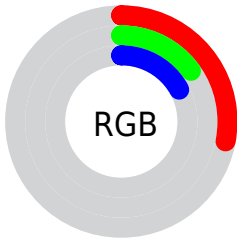
Format	Color
R_YB	72, 39, 44
Decimal	4728620
CIE Lab	20.09, 16.23, 3.45
CIE LCh	20, 16.594, 11.997
Yxy	3.0106, 0.4003, 0.3127
Android (android.graphics.Color)	4282918700 (0xFF48272C)
YUV	49.4370, -2.6804, 19.7878
Hunter-Lab	17.3512, 9.2840, 2.7060

Details

The YIQ color **49.4370, 18.0630, 8.5510** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **61.5630, -18.0630, -8.5510**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.5190, 20.7680, 9.0880**, and **9.0840, 17.5590, 6.6710** is the 20% darker color. If you saturate the color by 10%, you get **44.6440, 21.9140, 10.3460**, and if you desaturate by 10%, it is **54.2300, 14.2120, 6.7560**.

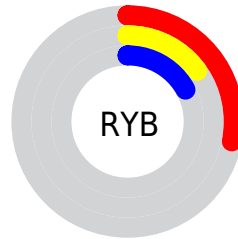
Distribution



Red (28%)

Green (15%)

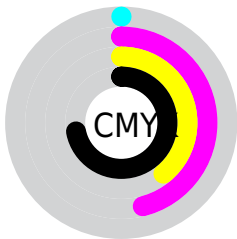
Blue (17%)



Red (28%)

Yellow (15%)

Blue (17%)

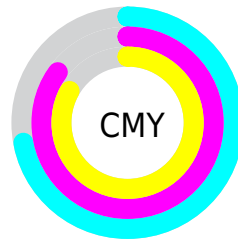


Cyan (0%)

Magenta (46%)

Yellow (39%)

Black (72%)



Cyan (72%)

Magenta (85%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.4370, 18.0630, 8.5510 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 49.4370, 18.0630, 8.5510 by changing the saturation by 10% instead.

■ 49.4370, 18.0630,
8.5510

■ 49.4370, 18.0630,
8.5510

255.0000, -0.0000,
-0.0000

■ 27.9530, 16.5500,
8.4380

■ 96.5190, 20.7680,
9.0880

■ 9.0840, 17.5590,
6.6710

■ 121.2310, 21.6390,
9.8230

■ 0.0000, 0.0000,
0.0000

■ 147.4160, 22.5560,
9.7240


■ 174.1280, 23.4270,
10.4590


■ 201.4270, 24.0230,
10.6710


■ 228.2310, 21.6390,


9.8230


 247.8590, 4.9510,
3.8870


 49.4370, 18.0630,
8.5510


 49.4370, 18.0630,
8.5510


 44.6440, 21.9140,
10.3460


 54.2300, 14.2120,
6.7560


 39.8510, 25.7650,
12.1410


 59.0230, 10.3610,
4.9610


 34.4710, 29.8910,
14.4590

 64.4030, 6.2350,
2.6430

 29.6780, 33.7420,
16.2540

 69.1960, 2.3840,
0.8480

 24.7710, 37.9140,
17.7380

 74.1030, -1.7880,
-0.6360

■ 22.7820, 39.3810,
18.6850

■ 78.8960, -5.6390,
-2.4310

■ 83.6890, -9.4900,
-4.2260

■ 89.0690, -13.6160,
-6.5440

■ 93.8620, -17.4670,
-8.3390

Harmonies

Analogous

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



49.8970, 10.9560, 10.7000



49.4370, 18.0630, 8.5510



48.7590, 19.8520, 3.6600

Triad

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



49.4370, 18.0630, 8.5510



45.8930, -1.5570, -10.3330



43.4020, -27.5550, -1.7230

Complementary

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



49.4370, 18.0630, 8.5510



61.5630, -18.0630, -8.5510

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.



38.9940, -35.3940, -8.3380



49.4370, 18.0630, 8.5510



43.2490, -14.3030, -10.6150

Square

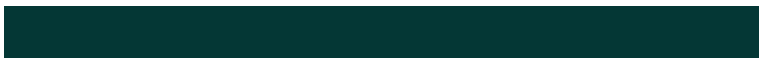
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.4370, 18.0630, 8.5510



47.0470, 9.8130, -7.1390



39.5230, -29.7540, -11.4340



48.0450, -13.0680, 5.5560

Rectangle

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



49.4370, 18.0630, 8.5510



48.6400, 18.5690, -0.6230



39.5230, -29.7540, -11.4340



41.4830, -32.2770, -4.2530

Sweetspot

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



49.4370, 18.0630, 8.5510



85.1150, 7.1060, 3.3780



51.1340, 6.0950, 16.1990



42.5060, 4.4470, 2.0070



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.



49.4370, 18.0630, 8.5510



58.4600, 28.4240, 13.5120



55.3240, 16.6430, 1.2430



33.3100, 2.0630, 1.1590



31.3110, 54.1890, 25.6530



71.8630, 124.0570, 59.0090

Inverse Universe

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



49.4370, 18.0630, 8.5510



58.4600, 28.4240, 13.5120



55.6760, -16.6430, -1.2430



33.3100, 2.0630, 1.1590



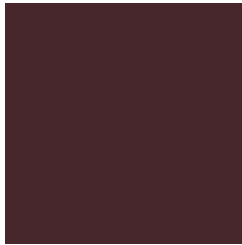
31.3110, 54.1890, 25.6530



71.8630, 124.0570, 59.0090

Previews

White Background



This preview shows how the YIQ color 49.4370, 18.0630, 8.5510 looks on a white background.

Color Contrast Check

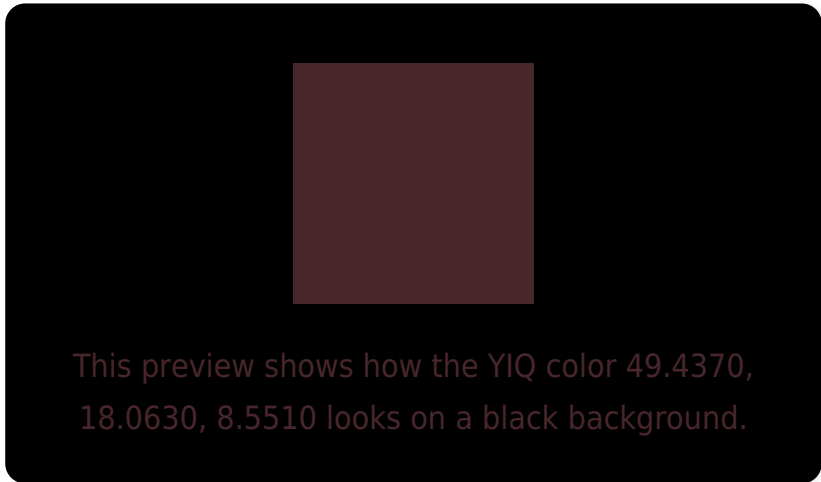
Large Text (above 18pt) WCAG AA ✓ Pass

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

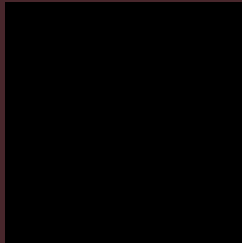
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.4370, 18.0630, 8.5510

Background



This preview shows how black text looks on a background with the YIQ color 49.4370, 18.0630, 8.5510.

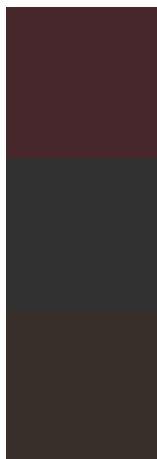


This preview shows how white text looks on a background with the YIQ color 49.4370, 18.0630,

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

49.4370, 18.0630, 8.5510

Protanopia

49.2990, 0.5960, 0.2120

Deuteranopia

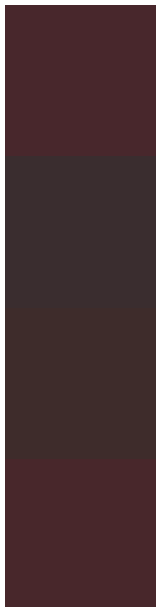
49.2350, 6.6480, 0.6640



Tritanopia

49.2090, 18.7050, 7.9290

Trichromacy



Original Color

49.4370, 18.0630, 8.5510

Protanomaly

49.1150, 7.1060, 3.3780

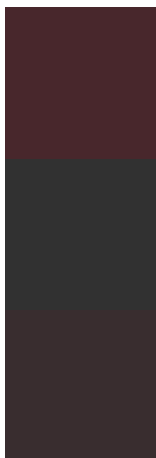
Deuteranomaly

49.2680, 11.0490, 3.5050

Tritanomaly

49.3230, 18.3840, 8.2400

Monochromacy



Original Color

49.4370, 18.0630, 8.5510

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.8160, 6.5100, 3.1660

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.4370, 18.0630, 8.5510 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(72, 39, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 39, 44) }
```

Border

The CSS property to change the border of an element to YIQ 49.4370, 18.0630, 8.5510 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, 44) }
```


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

```
.border{ border-color:rgb(72, 39, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 39, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 39, 44);  
box-shadow:4px 4px 4px 4px rgb(72, 39, 44)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.4370, 18.0630, 8.5510 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, 44) }
```

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

```
.background{ background-color: rgb(72, 39,  
44) }
```

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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