

Converting Colors

YIQ(48.9780, 32.5970, 9.4690)

Have a look what the booklet for
YIQ(48.9780, 32.5970, 9.4690)
contains.

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Color

**YIQ(48.9780, 32.5970,
9.4690)**

Conversions

Conversions Part 1

Format	Color
Hex	56221D
RGB	86, 34, 29
RGB Percent	34%, 13%, 11%
CMY	0.6626, 0.8667, 0.8861
CMYK	0.00, 0.61, 0.66, 0.66
HSL	5°, 50%, 23%
HSV	5°, 66%, 34%
XYZ	4.6342, 3.2116, 1.5402
YIQ	48.9780, 32.5970, 9.4690

Conversions

Conversions Part 2

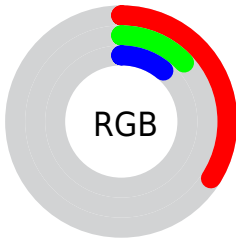
Format	Color
RYB	86, 34, 29
Decimal	5644829
CIELab	20.87, 23.73, 15.20
CIELCh	21, 28.183, 32.645
Yxy	3.2116, 0.4937, 0.3422
Android (android.graphics.Color)	4283834909 (0xFF56221D)
YUV	48.9780, -9.8492, 32.4683
Hunter-Lab	17.9209, 14.7970, 7.4488

Details

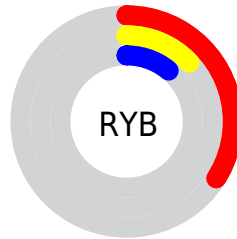
The YIQ color **48.9780, 32.5970, 9.4690** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **66.0220, -32.5970, -9.4690**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.8430, 37.4110, 10.3310**, and **11.7750, 22.9230, 8.5790** is the 20% darker color. If you saturate the color by 10%, you get **43.2560, 37.6860, 10.8540**, and if you desaturate by 10%, it is **54.7000, 27.5080, 8.0840**.

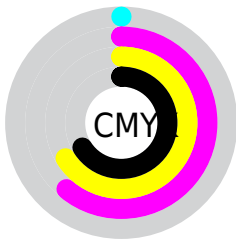
Distribution



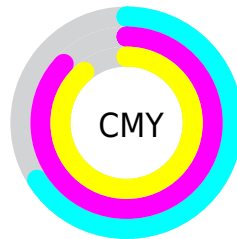
- Red (34%)
- Green (13%)
- Blue (11%)



- Red (34%)
- Yellow (13%)
- Blue (11%)



- Cyan (0%)
- Magenta (61%)
- Yellow (66%)
- Black (66%)



- Cyan (66%)
- Magenta (87%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.9780, 32.5970, 9.4690 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 48.9780, 32.5970, 9.4690 by changing the saturation by 10% instead.

■ 48.9780, 32.5970,
9.4690

■ 48.9780, 32.5970,
9.4690

■ 255.0000, -0.0000,
-0.0000

■ 25.1520, 32.0470,
8.4230

■ 96.8430, 37.4110,
10.3310

■ 11.7750, 22.9230,
8.5790

■ 122.5120, 39.8410,
10.3450

■ 0.0000, 0.0000,
0.0000

■ 148.9960, 41.3540,
10.4580

■ 175.8930, 43.1420,
11.0940

■ 203.4910, 44.3340,
11.5180

■ 223.6030, 29.1590,

5.6950

■ 243.2310, 12.4710,
-0.2410

■ 48.9780, 32.5970,
9.4690

■ 48.9780, 32.5970,
9.4690

■ 43.2560, 37.6860,
10.8540

■ 54.7000, 27.5080,
8.0840

■ 37.6480, 42.4540,
12.5500

■ 60.3080, 22.7400,
6.3880

■ 31.9260, 47.5430,
13.9350

■ 66.0300, 17.6510,
5.0030

■ 29.8230, 49.3310,
14.5710

■ 71.0510, 13.1580,
3.8300

■ 76.7730, 8.0690,
2.4450

■ 82.4950, 2.9800,
1.0600

■ 88.1030, -1.7880,
-0.6360

■ 93.8250, -6.8770,
-2.0210

■ 99.4330, -11.6450,
-3.7170

Harmonies

Analogous

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



49.7960, 27.5980, 17.4700



48.9780, 32.5970, 9.4690



48.7460, 29.8940, -2.1220

Triad

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



48.9780, 32.5970, 9.4690



38.9500, -24.0670, -20.8910



41.0120, -43.8320, 1.4160

Complementary

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



48.9780, 32.5970, 9.4690



66.0220, -32.5970, -9.4690

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.



43.3770, -43.6020, -2.7540



48.9780, 32.5970, 9.4690



41.0340, -32.8710, -15.5190

Square

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



48.9780, 32.5970, 9.4690



45.0150, 3.6710, -16.9770



43.4280, -39.6120, -8.9880



51.3650, -7.7970, 14.6590

Rectangle

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



48.9780, 32.5970, 9.4690



47.4800, 24.5310, -9.5570



43.4280, -39.6120, -8.9880



42.0720, -44.0610, 0.0590

Sweetspot

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



48.9780, 32.5970, 9.4690



97.7520, 12.5620, 3.6180



51.9710, 17.2800, 28.2560



47.4740, 7.4730, 2.2330



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



48.9780, 32.5970, 9.4690



53.6060, 51.4400, 14.8960



65.4140, 24.8970, -5.1750



40.1960, 2.3840, 0.8480



37.2760, 61.2970, 17.9770



82.0050, 134.5600, 39.3600

Inverse Universe

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



66.0220, -32.5970, -9.4690



80.3940, -51.4400, -14.8960



49.5860, -24.8970, 5.1750



41.8040, -2.3840, -0.8480



69.7240, -61.2970, -17.9770



152.4080, -134.2850, -38.8370

Previews

White Background



This preview shows how the YIQ color 48.9780, 32.5970, 9.4690 looks on a white background.

Color Contrast Check

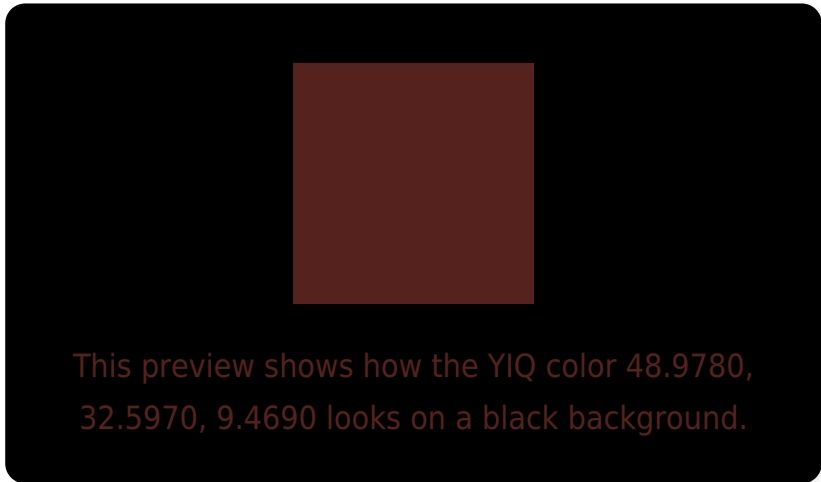
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.9780, 32.5970, 9.4690

Background



This preview shows how black text looks on a background with the YIQ color 48.9780, 32.5970, 9.4690.

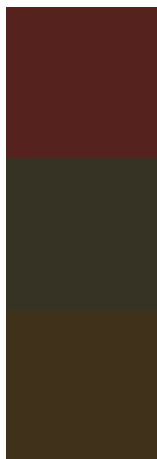


This preview shows how white text looks on a background with the YIQ color 48.9780, 32.5970,

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

48.9780, 32.5970, 9.4690

Protanopia

50.4860, 7.1990, -3.8170

Deuteranopia

50.5640, 15.7270, -4.1850



Tritanopia

49.0750, 30.9460, 11.8580

Trichromacy



Original Color

48.9780, 32.5970, 9.4690

Protanomaly

49.9110, 16.3680, 0.7200

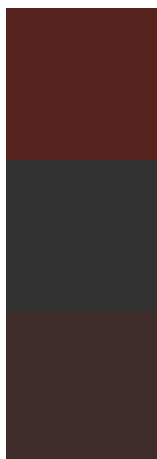
Deuteranomaly

50.1350, 21.5490, 0.4370

Tritanomaly

48.8470, 31.5880, 11.2360

Monochromacy



Original Color

48.9780, 32.5970, 9.4690

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.1540, 11.3700, 3.1940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.9780, 32.5970, 9.4690 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(86, 34, 29)` looks like.

```
.text, #text, p{  
    color:rgb(86, 34, 29)  
}
```

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(86, 34, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 34, 29) }
```

Border

The CSS property to change the border of an element to YIQ 48.9780, 32.5970, 9.4690 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(86, 34, 29) }
```


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

```
.border{ border-color:rgb(86, 34, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 34, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 34, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 34, 29);  
box-shadow:4px 4px 4px 4px rgb(86, 34, 29)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.9780, 32.5970, 9.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 34, 29) }
```

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

```
.background{ background-color: rgb(86, 34,  
29) }
```

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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