

Converting Colors

YIQ(48.7900, 18.5670, 10.4310)

Have a look what the booklet for
YIQ(48.7900, 18.5670, 10.4310)
contains.

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Color

**YIQ(48.7900, 18.5670,
10.4310)**

Conversions

Conversions Part 1

Format	Color
Hex	49252E
RGB	73, 37, 46
RGB Percent	29%, 15%, 18%
CMY	0.7136, 0.8550, 0.8195
CMYK	0.00, 0.49, 0.37, 0.71
HSL	345°, 33%, 22%
HSV	345°, 49%, 29%
XYZ	3.9040, 2.9370, 2.9477
YIQ	48.7900, 18.5670, 10.4310

Conversions

Conversions Part 2

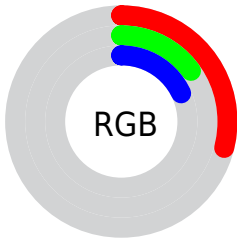
Format	Color
R_{YB}	73, 37, 46
Decimal	4793646
CIE _{Lab}	19.79, 18.25, 1.65
CIE _{LCh}	20, 18.324, 5.176
Yxy	2.9370, 0.3988, 0.3000
Android (android.graphics.Color)	4282983726 (0xFF49252E)
YUV	48.7900, -1.3755, 21.2322
Hunter-Lab	17.1376, 10.6721, 1.7984

Details

The YIQ color **48.7900, 18.5670, 10.4310** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **61.2100, -18.5670, -10.4310**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.9860, 20.9510, 11.2790**, and **9.3830, 18.1550, 6.8830** is the 20% darker color. If you saturate the color by 10%, you get **44.1110, 22.0970, 12.5370**, and if you desaturate by 10%, it is **53.4690, 15.0370, 8.3250**.

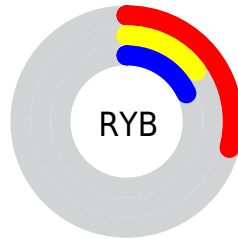
Distribution



 Red (29%)

 Green (15%)

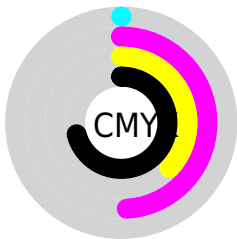
 Blue (18%)



 Red (29%)

 Yellow (15%)

 Blue (18%)

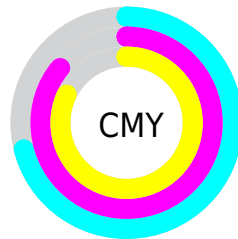


 Cyan (0%)

 Magenta (49%)

 Yellow (37%)

 Black (71%)



 Cyan (71%)

 Magenta (86%)

 Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.7900, 18.5670, 10.4310 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 48.7900, 18.5670, 10.4310 by changing the saturation by 10% instead.

■ 48.7900, 18.5670,
10.4310

■ 48.7900, 18.5670,
10.4310

■ 255.0000, -0.0000,
-0.0000

■ 26.8930, 16.7790,
9.7950

■ 95.9860, 20.9510,
11.2790

■ 9.3830, 18.1550,
6.8830

■ 120.5840, 22.1430,
11.7030

■ 0.0000, 0.0000,
0.0000

■ 146.8830, 22.7390,
11.9150

■ 173.4810, 23.9310,
12.3390

■ 201.0790, 25.1230,
12.7630

■ 227.2850, 21.5470,

11.4910

247.0270, 4.5380,
5.8660

48.7900, 18.5670,
10.4310

48.7900, 18.5670,
10.4310

44.1110, 22.0970,
12.5370

53.4690, 15.0370,
8.3250

38.7310, 26.2230,
14.8550

58.8490, 10.9110,
6.0070

34.0520, 29.7530,
16.9610

63.5280, 7.3810,
3.9010

29.2590, 33.6040,
18.7560

68.3210, 3.5300,
2.1060

23.9930, 37.4090,
21.3850

73.0000, -0.0000,
-0.0000

■ 23.8790, 37.7300,
21.0740

■ 78.3800, -4.1260,
-2.3180

■ 83.0590, -7.6560,
-4.4240

■ 87.8520, -11.5070,
-6.2190

■ 93.1180, -15.3120,
-8.8480

Harmonies

Analogous

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



49.3530, 9.6720, 11.9440



48.7900, 18.5670, 10.4310



48.1830, 21.5940, 5.1300

Triad

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



48.7900, 18.5670, 10.4310



45.3340, 1.5150, -10.9410



38.7320, -37.4120, -4.8040

Complementary

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



48.7900, 18.5670, 10.4310



61.2100, -18.5670, -10.4310

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.



38.8800, -35.0730, -8.6490



48.7900, 18.5670, 10.4310



42.6790, -12.6980, -12.1700

Square

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



48.7900, 18.5670, 10.4310



46.7160, 12.2430, -7.1250



37.9850, -31.1750, -13.2150



45.8810, -18.4780, 4.4820

Rectangle

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



48.7900, 18.5670, 10.4310



47.9500, 20.6320, 0.5360



37.9850, -31.1750, -13.2150



38.9770, -36.7240, -6.2600

Sweetspot

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



48.7900, 18.5670, 10.4310



84.6420, 7.0600, 4.2120



48.8780, 3.9400, 16.7080



42.6200, 4.1260, 2.3180



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.



48.7900, 18.5670, 10.4310



57.0410, 28.2860, 16.0140



52.4600, 19.2560, 3.4480



33.3100, 2.0630, 1.1590



32.4510, 50.9790, 28.7630



74.3710, 116.9950, 65.8510

Inverse Universe

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



48.7900, 18.5670, 10.4310



57.0410, 28.2860, 16.0140



57.5400, -19.2560, -3.4480



33.3100, 2.0630, 1.1590



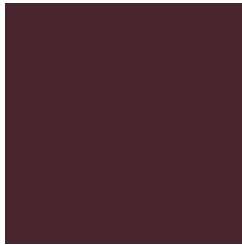
32.4510, 50.9790, 28.7630



74.3710, 116.9950, 65.8510

Previews

White Background



This preview shows how the YIQ color 48.7900, 18.5670, 10.4310 looks on a white background.

Color Contrast Check

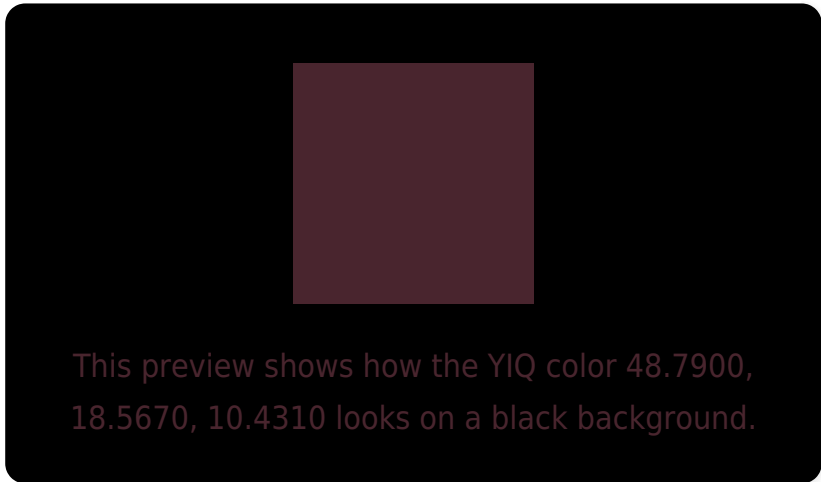
Large Text (above 18pt) WCAG AA ✓ Pass

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

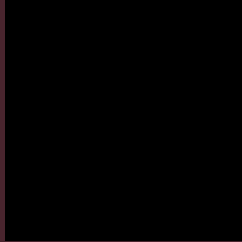
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.7900, 18.5670, 10.4310

Background



This preview shows how black text looks on a background with the YIQ color 48.7900, 18.5670, 10.4310.



This preview shows how white text looks on a background with the YIQ color 48.7900, 18.5670,

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

48.7900, 18.5670, 10.4310

Protanopia

48.4560, -1.2840, 1.2440

Deuteranopia

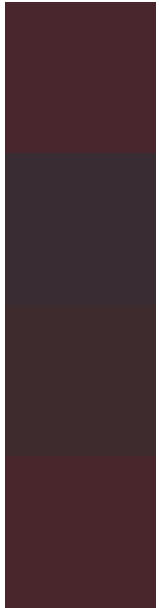
49.0500, 5.7310, 0.7630



Tritanopia

48.8070, 19.8970, 8.3530

Trichromacy



Original Color

48.7900, 18.5670, 10.4310

Protanomaly

48.5710, 5.8220, 4.6220

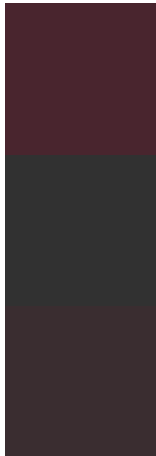
Deuteranomaly

48.9090, 10.6820, 4.6500

Tritanomaly

49.0350, 19.2550, 8.9750

Monochromacy



Original Color

48.7900, 18.5670, 10.4310

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.2290, 6.7850, 3.6890

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.7900, 18.5670, 10.4310 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(73, 37, 46)` looks like.

```
.text, #text, p{  
    color:rgb(73, 37, 46)  
}
```

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(73, 37, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 37, 46) }
```

Border

The CSS property to change the border of an element to YIQ 48.7900, 18.5670, 10.4310 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(73, 37, 46) }
```


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

```
.border{ border-color:rgb(73, 37, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 37, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 37, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 37, 46);  
box-shadow:4px 4px 4px 4px rgb(73, 37, 46)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.7900, 18.5670, 10.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 37, 46) }
```

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

```
.background{ background-color: rgb(73, 37,  
46) }
```

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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