

Converting Colors

YIQ(46.8500, 19.4790, 37.9670)

Have a look what the booklet for
YIQ(46.8500, 19.4790, 37.9670)
contains.

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Color

**YIQ(46.8500, 19.4790,
37.9670)**

Conversions

Conversions Part 1	
Format	Color
Hex	59115A
RGB	89, 17, 90
RGB Percent	35%, 7%, 35%
CMY	0.6508, 0.9334, 0.6470
CMYK	0.01, 0.81, 0.00, 0.65
HSL	299°, 68%, 21%
HSV	299°, 81%, 35%
XYZ	6.1708, 3.2648, 9.9790
YIQ	46.8500, 19.4790, 37.9670

Conversions

Conversions Part 2

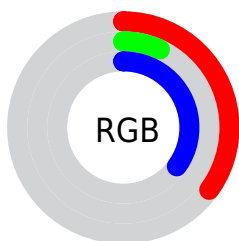
Format	Color
RYB	89, 17, 90
Decimal	5837146
CIELab	21.07, 41.15, -26.25
CIELCh	21, 48.812, 327.467
Yxy	3.2648, 0.3178, 0.1682
Android (android.graphics.Color)	4284027226 (0xFF59115A)
YUV	46.8500, 21.2729, 36.9656
Hunter-Lab	18.0688, 29.3403, -20.0963

Details

The YIQ color **46.8500, 19.4790, 37.9670** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **60.1500, -19.4790, -37.9670**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **99.0350, 20.3960, 37.8680**, and **17.5740, 10.9080, 22.5880** is the 20% darker color. If you saturate the color by 10%, you get **41.5670, 21.9540, 42.6740**, and if you desaturate by 10%, it is **52.1330, 17.0040, 33.2600**.

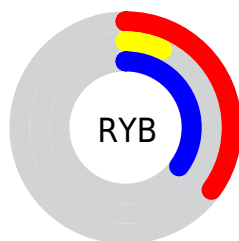
Distribution



Red (35%)

Green (7%)

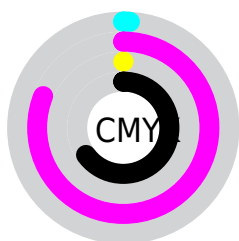
Blue (35%)



Red (35%)

Yellow (7%)

Blue (35%)

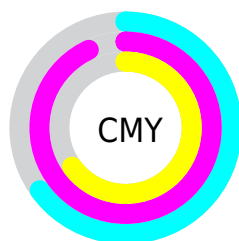


Cyan (1%)

Magenta (81%)

Yellow (0%)

Black (65%)



Cyan (65%)


Magenta (93%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 46.8500, 19.4790, 37.9670 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 46.8500, 19.4790, 37.9670 by changing the saturation by 10% instead.


 46.8500, 19.4790,
37.9670


 46.8500, 19.4790,
37.9670


 255.0000, -0.0000,
-0.0000


 26.6600, 16.9580,
34.0940


 99.0350, 20.3960,
37.8680


 17.8730, 11.5040,
22.8000


 125.3340, 20.9920,
38.0800

 2.5080, -7.0620,
6.8420

 152.0460, 21.8630,
38.8150


 0.0000, 0.0000,
0.0000


 179.1710, 23.0090,
40.0730


 206.9970, 23.5590,
41.1190


 223.8890, 14.5750,


27.7190


 240.9120, 6.6000,
12.5520


 46.8500, 19.4790,
37.9670


 46.8500, 19.4790,
37.9670


 41.5670, 21.9540,
42.6740

 52.1330, 17.0040,
33.2600

 36.8710, 24.1540,
46.8580

 57.4160, 14.5290,
28.5530

 62.6990, 12.0540,
23.8460

 68.2810, 10.1750,
19.3510

 73.5640, 7.7000,
14.6440

■ 78.8470, 5.2250,
9.9370

■ 84.1300, 2.7500,
5.2300

■ 89.4130, 0.2750,
0.5230

■ 94.6960, -2.2000,
-4.1840

Harmonies

Analogous

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



47.7450, -29.1180, 21.1060



46.8500, 19.4790, 37.9670



38.8610, 47.3090, 40.2130

Triad

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



46.8500, 19.4790, 37.9670



47.9100, 26.1360, -11.1120



47.6170, -44.5180, -8.1820

Complementary

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



46.8500, 19.4790, 37.9670



60.1500, -19.4790, -37.9670

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.



43.3990, -32.6410, -19.6890



46.8500, 19.4790, 37.9670



43.3150, 2.5260, -23.7620

Square

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



46.8500, 19.4790, 37.9670



46.0040, 46.9030, 3.5030



37.5510, -18.9300, -31.3940



49.7490, -53.2770, 1.8830

Rectangle

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



46.8500, 19.4790, 37.9670



36.8370, 55.8840, 33.4840



37.5510, -18.9300, -31.3940



46.2490, -40.6660, -11.9140

Sweetspot

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



46.8500, 19.4790, 37.9670



100.5640, 7.7000, 14.6440



25.9090, -23.7080, 22.1800



48.7220, 4.0790, 8.6790



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



46.8500, 19.4790, 37.9670



50.3700, 30.4790, 58.8870



43.1590, 31.3100, 27.2940



43.0650, 1.3750, 2.6150



44.8320, 29.0580, 57.1060



96.9840, 63.3870, 123.3150

Inverse Universe

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



38.9410, 43.1870, 15.7870



37.9010, 67.0270, 24.2670



63.8410, -31.3100, -27.2940



42.4950, 2.9800, 1.0600



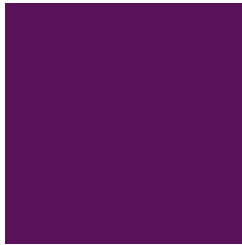
33.0040, 65.2390, 23.6310



71.2050, 140.2890, 51.1770

Previews

White Background



This preview shows how the YIQ color 46.8500, 19.4790, 37.9670 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



This preview shows how the YIQ color 46.8500, 19.4790, 37.9670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

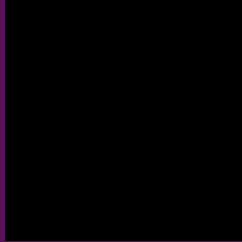
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.8500, 19.4790, 37.9670

Background



This preview shows how black text looks on a background with the YIQ color 46.8500, 19.4790, 37.9670.



This preview shows how white text looks on a background with the YIQ color 46.8500, 19.4790,

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

46.8500, 19.4790, 37.9670

Deuteranopia

50.6680, -22.1920, 5.7120

Tritanopia

52.0960, 26.4530, 10.6850

Trichromacy



Original Color
46.8500, 19.4790, 37.9670

Deuteranomaly
49.2450, -7.3390, 17.3730

Tritanomaly
50.0500, 24.0670, 20.8910

Monochromacy



Original Color
46.8500, 19.4790, 37.9670

Achromatopsia
47.0000, 0.0000, 0.0000

Achromatomaly
46.8520, 6.8290, 13.9090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.8500, 19.4790, 37.9670 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(89, 17, 90)` looks like.

```
.text, #text, p{  
    color:rgb(89, 17, 90)  
}
```

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(89, 17, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 17, 90) }
```

Border

The CSS property to change the border of an element to YIQ 46.8500, 19.4790, 37.9670 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(89, 17, 90) }
```

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

```
.border{ border-color:rgb(89, 17, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 17, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 17, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 17, 90);  
box-shadow:4px 4px 4px 4px rgb(89, 17, 90)  
}
```


Background

The CSS property to change the background color of an element to YIQ 46.8500, 19.4790, 37.9670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 17, 90) }
```

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

```
.background{ background-color: rgb(89, 17,  
90) }
```

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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