

Converting Colors

YIQ(89.4600, 45.6190, 4.7470)

Have a look what the booklet for
YIQ(89.4600, 45.6190, 4.7470)
contains.

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Color

**YIQ(89.4600, 45.6190,
4.7470)**

Conversions

Conversions Part 1

Format	Color
Hex	884A2F
RGB	136, 74, 47
RGB Percent	53%, 29%, 18%
CMY	0.4665, 0.7099, 0.8155
CMYK	0.00, 0.46, 0.65, 0.47
HSL	18°, 49%, 36%
HSV	18°, 65%, 53%
XYZ	13.1199, 10.3368, 3.9985
YIQ	89.4600, 45.6190, 4.7470

Conversions

Conversions Part 2

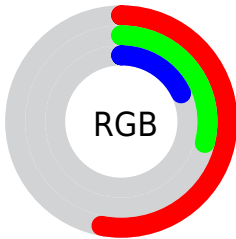
Format	Color
RYB	136, 86, 47
Decimal	8931887
CIELab	38.44, 23.75, 27.38
CIELCh	38, 36.248, 49.067
Yxy	10.3368, 0.4779, 0.3765
Android (android.graphics.Color)	4287121967 (0xFF884A2F)
YUV	89.4600, -20.9328, 40.8156
Hunter-Lab	32.1508, 16.5773, 15.1319

Details

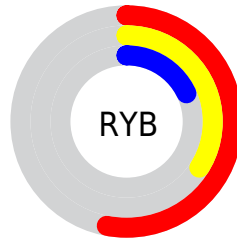
The YIQ color **89.4600, 45.6190, 4.7470** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **93.5400, -45.6190, -4.7470**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.2110, 50.7540, 5.2980**, and **40.9540, 41.1720, 2.7400** is the 20% darker color. If you saturate the color by 10%, you get **81.9940, 52.8630, 5.6230**, and if you desaturate by 10%, it is **96.3390, 38.6500, 4.3940**.

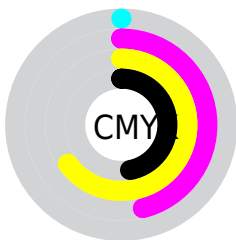
Distribution



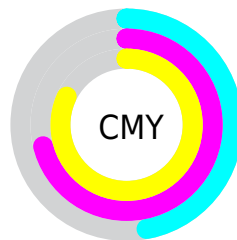
- Red (53%)
- Green (29%)
- Blue (18%)



- Red (53%)
- Yellow (34%)
- Blue (18%)



- Cyan (0%)
- Magenta (46%)
- Yellow (65%)
- Black (47%)



- Cyan (47%)
- Magenta (71%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.4600, 45.6190, 4.7470 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 89.4600, 45.6190, 4.7470 by changing the saturation by 10% instead.

■ 89.4600, 45.6190,
4.7470

■ 89.4600, 45.6190,
4.7470

■ 255.0000, -0.0000,
-0.0000

■ 65.0790, 42.3180,
3.9980

■ 141.2110, 50.7540,
5.2980

■ 40.9540, 41.1720,
2.7400

■ 167.9940, 52.8630,
5.6230

■ 19.9670, 31.1300,
8.5220

■ 195.7770, 54.9720,
5.9480

■ 9.3830, 18.1550,
6.8830

■ 215.4870, 40.9890,
0.5490

■ 0.0000, 0.0000,
0.0000

■ 235.1150, 24.3010,
-5.3870

■ 251.8080, 8.9880,

-8.7080

■ 89.4600, 45.6190,
4.7470

■ 89.4600, 45.6190,
4.7470

■ 81.9940, 52.8630,
5.6230

■ 96.3390, 38.6500,
4.3940

■ 75.2290, 59.5110,
6.2870

■ 103.6910, 31.7270,
3.2070

■ 68.3500, 66.4800,
6.6400

■ 110.5700, 24.7580,
2.8540

■ 64.7310, 69.7810,
7.3890

■ 117.9220, 17.8350,
1.6670

■ 124.8010, 10.8660,
1.3140

■ 132.2670, 3.6220,
0.4380

■ 139.0320, -3.0260,
-0.2260

■ 146.4980,
-10.2700, -1.1020

■ 153.2630,
-16.9180, -1.7660

Harmonies

Analogous

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



90.4190, 44.8370, 18.9250



89.4600, 45.6190, 4.7470



88.1130, 35.8100, -10.2220

Triad

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



89.4600, 45.6190, 4.7470



69.9400, -53.6380, -30.1340



89.5400, -27.2830, 15.3810

Complementary

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



89.4600, 45.6190, 4.7470



93.5400, -45.6190, -4.7470

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.



73.8110, -74.1830, -4.7030



89.4600, 45.6190, 4.7470



74.0610, -63.8640, -21.0160

Square

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



89.4600, 45.6190, 4.7470



81.1330, -11.6410, -25.8250



75.7370, -71.3390, -12.1950



93.4150, 7.1020, 25.4860

Rectangle

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



89.4600, 45.6190, 4.7470



86.9110, 24.3950, -18.1090



75.7370, -71.3390, -12.1950



86.2500, -41.2660, 9.9820

Sweetspot

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



89.4600, 45.6190, 4.7470



157.3350, 18.1100, 2.1900



80.6790, 33.1420, 38.1500



77.8010, 10.8660, 1.3140



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



89.4600, 45.6190, 4.7470



104.0300, 70.3770, 7.6010



115.2880, 33.5190, -18.2650



65.2670, 3.6220, 0.4380



63.2470, 68.2680, 7.2760



2.6690, 2.4300, 0.0140

Inverse Universe

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



93.5400, -45.6190, -4.7470



110.3830, -70.1020, -7.0780



67.7120, -33.5190, 18.2650



65.7330, -3.6220, -0.4380



69.1660, -67.9930, -6.7530



2.9180, -2.7050, -0.5370

Previews

White Background



This preview shows how the YIQ color 89.4600, 45.6190, 4.7470 looks on a white background.

Color Contrast Check

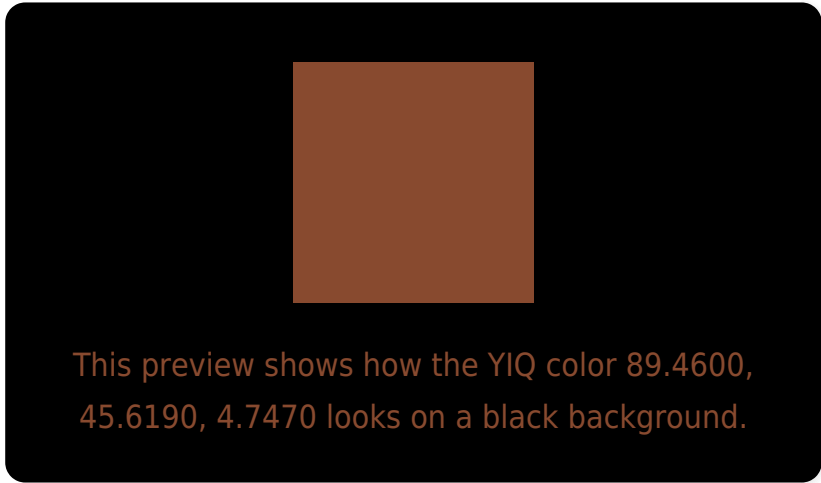
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 89.4600, 45.6190, 4.7470

Background



This preview shows how black text looks on a background with the YIQ color 89.4600, 45.6190, 4.7470.



This preview shows how white text looks on a background with the YIQ color 89.4600, 45.6190,

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

89.4600, 45.6190, 4.7470

Protanopia

89.3590, 17.5620, -9.9100

Deuteranopia

89.5730, 28.7030, -8.0730



Tritanopia

90.9020, 38.9230, 15.9710

Trichromacy



Original Color

89.4600, 45.6190, 4.7470

Protanomaly

89.4960, 27.6020, -4.6380

Deuteranomaly

89.4430, 35.1210, -3.2390

Tritanomaly

90.0500, 41.2620, 12.1260

Monochromacy



Original Color

89.4600, 45.6190, 4.7470

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

89.4380, 16.3220, 1.5540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.4600, 45.6190, 4.7470 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(136, 74, 47)` looks like.

```
.text, #text, p{  
    color:rgb(136, 74, 47)  
}
```

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(136, 74, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 74, 47) }
```

Border

The CSS property to change the border of an element to YIQ 89.4600, 45.6190, 4.7470 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(136, 74, 47) }
```


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

```
.border{ border-color:rgb(136, 74, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 74, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 74, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 74, 47);  
box-shadow:4px 4px 4px 4px rgb(136, 74,  
47) }
```

Background

The CSS property to change the background color of an element to YIQ 89.4600, 45.6190, 4.7470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 74, 47) }
```

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

```
.background{ background-color: rgb(136, 74,  
47) }
```

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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