

Converting Colors

YIQ(107.4800, 0.4500, 46.9300)

Have a look what the booklet for
YIQ(107.4800, 0.4500, 46.9300)
contains.

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Color

**YIQ(107.4800, 0.4500,
46.9300)**

Conversions

Conversions Part 1

Format	Color
Hex	894DBB
RGB	137, 77, 187
RGB Percent	54%, 30%, 73%
CMY	0.4625, 0.6981, 0.2667
CMYK	0.27, 0.59, 0.00, 0.27
HSL	273°, 45%, 52%
HSV	273°, 59%, 73%
XYZ	21.9449, 14.2141, 48.5887
YIQ	107.4800, 0.4500, 46.9300

Conversions

Conversions Part 2

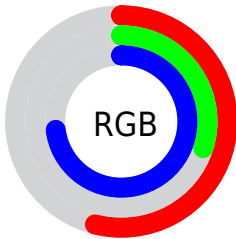
Format	Color
R _{YB}	137, 77, 187
Decimal	8998331
CIE _{Lab}	44.54, 45.80, -48.46
CIE _{LCh}	45, 66.675, 313.383
Yxy	14.2141, 0.2589, 0.1677
Android (android.graphics.Color)	4287188411 (0xFF894DBB)
YUV	107.4800, 39.2034, 25.8890
Hunter-Lab	37.7016, 37.9210, -50.0201

Details

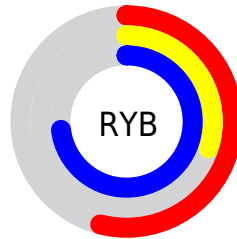
The YIQ color $107.4800, 0.4500, 46.9300$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $156.5200, -0.4500, -46.9300$, and the grayscale version is $107.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $161.2460, 1.2290, 49.3330$, and $55.2410, -0.3750, 45.3610$ is the 20% darker color. If you saturate the color by 10%, you get $93.9350, 0.9070, 55.1710$, and if you desaturate by 10%, it is $121.3240, 0.5890, 38.9010$.

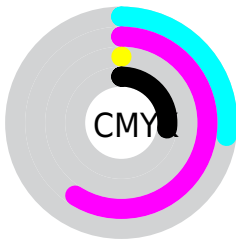
Distribution



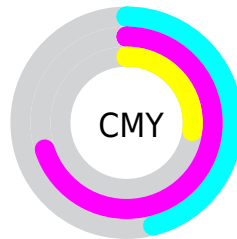
- Red (54%)
- Green (30%)
- Blue (73%)



- Red (54%)
- Yellow (30%)
- Blue (73%)



- Cyan (27%)
- Magenta (59%)
- Yellow (0%)
- Black (27%)



- Cyan (46%)
- Magenta (70%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 107.4800, 0.4500, 46.9300 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 107.4800, 0.4500, 46.9300 by changing the saturation by 10% instead.

107.4800, 0.4500,
46.9300

107.4800, 0.4500,
46.9300

255.0000, -0.0000,
-0.0000

81.6540, -0.1000,
45.8840

161.2460, 1.2290,
49.3330

55.2410, -0.3750,
45.3610

186.4330, 7.8320,
45.3040

28.9420, -0.9710,
45.1490

211.8390, 18.0120,
37.0200

18.0190, -9.0380,
31.6500

229.1720, 12.1000,
23.0120

6.6120, -18.6180,
18.0380

246.1950, 4.1250,
7.8450

5.2780, -12.1060,
10.1500

1.2540, -3.5310,

3.4210

■ 0.0000, 0.0000,
0.0000

■ 107.4800, 0.4500,
46.9300

■ 107.4800, 0.4500,
46.9300

■ 93.9350, 0.9070,
55.1710

■ 121.3240, 0.5890,
38.9010

■ 80.6780, 0.4930,
62.6770

■ 134.2820, 0.4070,
31.1830

■ 67.1330, 0.9500,
70.9180

■ 148.1260, 0.5460,
23.1540

■ 53.2890, 0.8110,
78.9470

■ 161.6710, 0.0890,
14.9130

■ 51.8160, 0.7650,
79.7810

■ 174.6290, -0.0930,
7.1950

■ 188.4730, 0.0460,
-0.8340

■ 202.0180, -0.4110,
-9.0750

■ 215.8620, -0.2720,
-17.1040

■ 228.8200, -0.4540,
-24.8220

Harmonies

Analogous

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



85.5580, -97.6150, 12.4730



107.4800, 0.4500, 46.9300



97.4730, 55.0540, 59.5500

Triad

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



107.4800, 0.4500, 46.9300



99.1640, 66.1630, -15.1570



90.5430, -77.2050, -27.0370

Complementary

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



107.4800, 0.4500, 46.9300



156.5200, -0.4500, -46.9300

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.



82.6430, -57.7160, -44.3400



107.4800, 0.4500, 46.9300



96.5520, 32.0550, -35.7930

Square

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



107.4800, 0.4500, 46.9300



96.2000, 84.8180, 15.7140



81.5950, -14.2030, -56.4990



95.7700, -93.3010, -10.6530

Rectangle

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



107.4800, 0.4500, 46.9300



89.6250, 77.9330, 57.9090



81.5950, -14.2030, -56.4990



88.2630, -70.7850, -33.2570

Sweetspot

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



107.4800, 0.4500, 46.9300



210.7790, -0.0950, 18.2490



119.4770, -49.3350, 7.5370



102.5630, 0.2730, 11.5770



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



107.4800, 0.4500, 46.9300



117.7140, 0.8120, 73.4200



121.9740, 31.5340, 56.2860



87.5210, 0.0910, 3.8590



43.7260, 0.5380, 67.3700



8.6170, 0.1810, 13.2450

Inverse Universe

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



115.5900, 49.5100, 38.8700



130.3200, 77.4740, 60.7220



142.0260, -31.5340, -56.2860



88.1470, 4.0800, 3.1520



55.4500, 71.0560, 55.8880



10.8650, 13.9820, 10.9260

Previews

White Background



This preview shows how the YIQ color 107.4800, 0.4500, 46.9300 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



This preview shows how the YIQ color 107.4800, 0.4500, 46.9300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

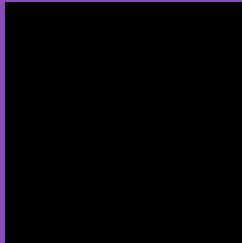
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 107.4800, 0.4500, 46.9300

Background



This preview shows how black text looks on a background with the YIQ color 107.4800, 0.4500, 46.9300.



This preview shows how white text looks on a background with the YIQ color 107.4800, 0.4500,

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

107.4800, 0.4500, 46.9300

Protanopia

92.2290, -80.3310, 18.6210

Deuteranopia

98.0940, -58.3220, 10.7180



Tritanopia

107.0880, 11.7360, 7.5760

Trichromacy



Original Color

107.4800, 0.4500, 46.9300

Protanomaly

97.8800, -51.1270, 29.0090

Deuteranomaly

101.4330, -36.8670, 23.8770

Tritanomaly

107.1930, 7.6070, 21.8390

Monochromacy



Original Color

107.4800, 0.4500, 46.9300

Achromatopsia

107.0000, -0.0000, 0.0000

Achromatomaly

107.1380, 0.2720, 17.1040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 107.4800, 0.4500, 46.9300 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(137, 77, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 77, 187)  
}
```

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(137, 77, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 77, 187) }
```

Border

The CSS property to change the border of an element to YIQ 107.4800, 0.4500, 46.9300 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(137, 77, 187) }
```


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

```
.border{ border-color:rgb(137, 77, 187) }
```

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

Here you see how a box with a 4 pixel rgb(137, 77, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 77, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 77, 187);  
box-shadow:4px 4px 4px 4px rgb(137, 77,  
187) }
```

Background

The CSS property to change the background color of an element to YIQ 107.4800, 0.4500, 46.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 77, 187) }
```

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

```
.background{ background-color: rgb(137, 77,  
187) }
```

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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