

Converting Colors

YIQ(106.8700, -0.4680, 52.5560)

Have a look what the booklet for
YIQ(106.8700, -0.4680, 52.5560)
contains.

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Color

**YIQ(106.8700, -0.4680,
52.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	8B49C5
RGB	139, 73, 197
RGB Percent	55%, 29%, 77%
CMY	0.4547, 0.7138, 0.2275
CMYK	0.29, 0.63, 0.00, 0.23
HSL	272°, 52%, 53%
HSV	272°, 63%, 77%
XYZ	23.1134, 14.2857, 54.3475
YIQ	106.8700, -0.4680, 52.5560

Conversions

Conversions Part 2

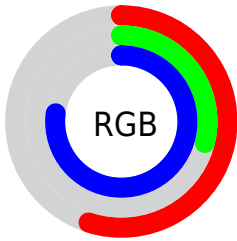
Format	Color
R_{YB}	139, 73, 197
Decimal	9128389
CIE _{Lab}	44.64, 50.71, -54.10
CIE _{LCh}	45, 74.149, 313.149
Yxy	14.2857, 0.2519, 0.1557
Android (android.graphics.Color)	4287318469 (0xFF8B49C5)
YUV	106.8700, 44.4341, 28.1780
Hunter-Lab	37.7964, 43.0132, -58.7958

Details

The YIQ color **106.8700, -0.4680, 52.5560** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **163.1300, 0.4680, -52.5560**, and the grayscale version is **106.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **160.9350, 0.9070, 55.1710**, and **52.4570, -0.7430, 52.0330** is the 20% darker color. If you saturate the color by 10%, you get **92.4390, -0.3320, 61.1080**, and if you desaturate by 10%, it is **121.3010, -0.6040, 44.0040**.

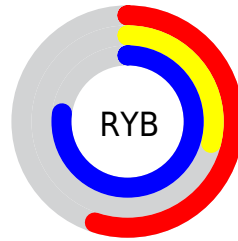
Distribution



Red (55%)

Green (29%)

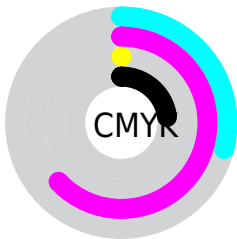
Blue (77%)



Red (55%)

Yellow (29%)

Blue (77%)

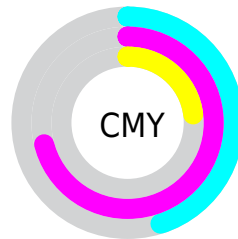


Cyan (29%)

Magenta (63%)

Yellow (0%)

Black (23%)



Cyan (45%)

Magenta (71%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 106.8700, -0.4680, 52.5560 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 106.8700, -0.4680, 52.5560 by changing the saturation by 10% instead.

■ 106.8700, -0.4680,
52.5560

■ 106.8700, -0.4680,
52.5560

■ 255.0000, -0.0000,
-0.0000

■ 80.0440, -1.0180,
51.5100

■ 160.9350, 0.9070,
55.1710

■ 52.4570, -0.7430,
52.0330

■ 185.5690, 10.4450,
47.5090

■ 29.9680, -3.8600,
47.9480

■ 210.9750, 20.6250,
39.2250

■ 18.1480, -13.7150,
33.8130

■ 227.4110, 12.9250,
24.5810

■ 7.5240, -21.1860,
20.5260

■ 243.8470, 5.2250,
9.9370

■ 6.6630, -14.6280,
11.8040

■ 2.9810, -7.0160,

6.0080

■ 0.0000, 0.0000,
0.0000

■ 106.8700, -0.4680,
52.5560

■ 106.8700, -0.4680,
52.5560

■ 92.4390, -0.3320,
61.1080

■ 121.3010, -0.6040,
44.0040

■ 78.5950, -0.4710,
69.1370

■ 135.1450, -0.4650,
35.9750

■ 63.8650, -0.9310,
77.4770

■ 149.8750, -0.0050,
27.6350

■ 53.8530, -0.6570,
83.5270

■ 164.3060, -0.1410,
19.0830

■ 178.1500, -0.0020,
11.0540

■ 192.5810, -0.1380,
2.5020

■ 207.0120, -0.2740,
-6.0500

■ 221.7420, 0.1860,
-14.3900

■ 235.5860, 0.3250,
-22.4190

Harmonies

Analogous

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



87.6270, -102.0630, 15.9930



106.8700, -0.4680, 52.5560



88.4070, 64.5880, 73.9960

Triad

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



106.8700, -0.4680, 52.5560



99.7730, 68.8220, -13.7860



91.9450, -78.3970, -27.4610

Complementary

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



106.8700, -0.4680, 52.5560



163.1300, 0.4680, -52.5560

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.



83.3610, -56.9820, -46.6300



106.8700, -0.4680, 52.5560



96.2530, 31.4590, -36.0050

Square

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



106.8700, -0.4680, 52.5560



92.1690, 95.2710, 19.0070



74.8810, -29.9280, -63.3680



97.9700, -96.7400, -8.9000

Rectangle

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



106.8700, -0.4680, 52.5560



74.4180, 92.4180, 76.2420



74.8810, -29.9280, -63.3680



89.5510, -71.6560, -33.9920

Sweetspot

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



106.8700, -0.4680, 52.5560



219.9470, -0.5080, 20.2280



122.3560, -56.3040, 7.1840



106.2040, -0.0940, 12.7220



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



106.8700, -0.4680, 52.5560



113.9130, -0.8860, 82.1700



123.9840, 34.7420, 64.2300



92.5210, 0.0910, 3.8590



44.5950, -0.4710, 69.1370



9.7850, -0.2320, 15.2240

Inverse Universe

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



116.6880, 55.2860, 44.3260



129.3800, 86.4130, 69.4290



146.0160, -34.7420, -64.2300



93.1470, 4.0800, 3.1520



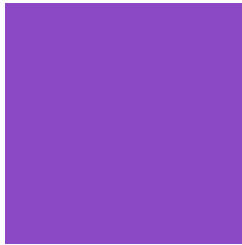
57.4010, 72.7520, 58.1920



12.7020, 15.9990, 12.9190

Previews

White Background



This preview shows how the YIQ color 106.8700, -0.4680, 52.5560 looks on a white background.

Color Contrast Check

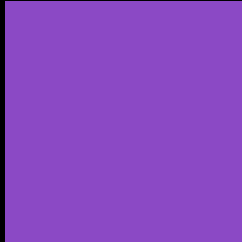
Large Text (above 18pt) WCAG AA ✓ Pass

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 106.8700, -0.4680, 52.5560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

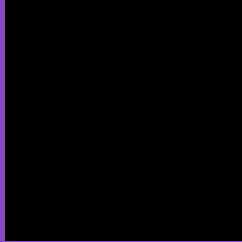
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 106.8700, -0.4680, 52.5560

Background



This preview shows how black text looks on a background with the YIQ color 106.8700, -0.4680, 52.5560.



This preview shows how white text looks on a background with the YIQ color 106.8700, -0.4680,

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

106.8700, -0.4680, 52.5560

Protanopia

84.6120, -97.7070, 14.1410

Deuteranopia

90.7370, -79.3660, 6.6340



Tritanopia

107.0880, 11.7360, 7.5760

Trichromacy



Original Color

106.8700, -0.4680, 52.5560



Protanomaly

92.6060, -62.0390, 28.5290



Deuteranomaly

96.6040, -50.5300, 23.6940



Tritanomaly

107.3610, 7.1940, 23.8180

Monochromacy



Original Color

106.8700, -0.4680, 52.5560



Achromatopsia

107.0000, -0.0000, 0.0000



Achromatomaly

107.3060, -0.1410, 19.0830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 106.8700, -0.4680, 52.5560 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(139, 73, 197)` looks like.

```
.text, #text, p{  
    color:rgb(139, 73, 197)  
}
```

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(139, 73, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 73, 197) }
```

Border

The CSS property to change the border of an element to YIQ 106.8700, -0.4680, 52.5560 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(139, 73, 197) }
```


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

```
.border{ border-color:rgb(139, 73, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 73, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 73, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 73, 197); box-shadow:4px 4px 4px 4px rgb(139, 73, 197) }
```

Background

The CSS property to change the background color of an element to YIQ 106.8700, -0.4680, 52.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 73, 197) }
```

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

```
.background{ background-color: rgb(139, 73,  
197) }
```

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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