

# Converting Colors

YIQ(108.5900, 41.4830, 57.6990)

Have a look what the booklet for  
YIQ(108.5900, 41.4830, 57.6990)  
contains.

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# Color

**YIQ(108.5900, 41.4830,  
57.6990)**

# Conversions

| Conversions Part 1 |                            |
|--------------------|----------------------------|
| Format             | Color                      |
| Hex                | B83CA1                     |
| RGB                | 184, 60, 161               |
| RGB Percent        | 72%, 24%, 63%              |
| CMY                | 0.2781, 0.7649, 0.3685     |
| CMYK               | 0.00, 0.67, 0.13, 0.28     |
| HSL                | 311°, 51%, 48%             |
| HSV                | 311°, 67%, 72%             |
| XYZ                | 27.8371, 16.0019, 35.3499  |
| YIQ                | 108.5900, 41.4830, 57.6990 |

# Conversions

## Conversions Part 2

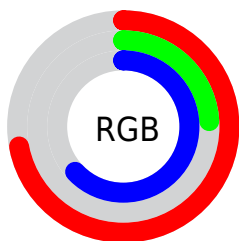
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">184, 60, 161</a>                                 |
| Decimal                             | <a href="#">12074145</a>                                     |
| CIELab                              | <a href="#">46.98, 60.59, -28.88</a>                         |
| CIELCh                              | <a href="#">47, 67.123, 334.518</a>                          |
| Yxy                                 | <a href="#">16.0019, 0.3515, 0.2021</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4290264225</a><br>( <a href="#">0xFFB83CA1</a> ) |
| YUV                                 | <a href="#">108.5900, 25.8381, 66.1346</a>                   |
| Hunter-Lab                          | <a href="#">40.0024, 54.2118, -24.3926</a>                   |

# Details

The YIQ color **108.5900, 41.4830, 57.6990** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **135.4100, -41.4830, -57.6990**, and the grayscale version is **108.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **165.9600, 43.3170, 57.5010**, and **50.3990, 40.7030, 60.8230** is the 20% darker color. If you saturate the color by 10%, you get **97.6820, 47.3960, 66.1800**, and if you desaturate by 10%, it is **119.4980, 35.5700, 49.2180**.

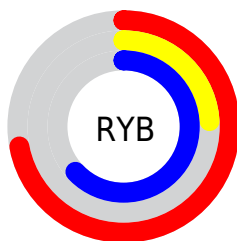
# Distribution



Red (72%)

Green (24%)

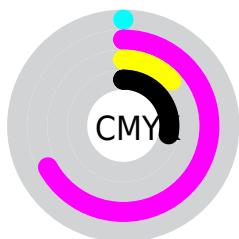
Blue (63%)



Red (72%)

Yellow (24%)

Blue (63%)

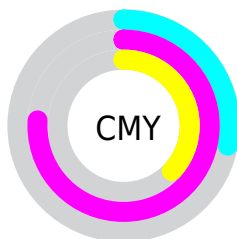


Cyan (0%)

Magenta (67%)

Yellow (13%)

Black (28%)



Cyan (28%)

Magenta (76%)

Yellow (37%)

# Brightness & Saturation


## Gradients


These gradients show how the YIQ color 108.5900, 41.4830, 57.6990 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 108.5900, 41.4830, 57.6990 by changing the saturation by 10% instead.





 108.5900, 41.4830,  
57.6990


 108.5900, 41.4830,  
57.6990


 255.0000, -0.0000,  
-0.0000


 77.5840, 41.6200,  
60.7240


 165.3730, 43.5920,  
58.0240


 50.3990, 40.7030,  
60.8230


 188.7030, 33.7350,  
54.9430

 39.4760, 32.6360,  
47.3240


 206.8660, 22.5500,  
42.8860

 28.7810, 23.9270,  
34.4470

 223.3020, 14.8500,  
28.2420

 18.7980, 16.0890,  
22.3050

 240.9120, 6.6000,  
12.5520


 2.9060, -2.4310,  
5.5130


 0.0000, 0.0000,


0.0000


 108.5900, 41.4830,  
57.6990


 108.5900, 41.4830,  
57.6990


 97.6820, 47.3960,  
66.1800


 119.4980, 35.5700,  
49.2180


 86.0730, 53.9050,  
74.8730


 131.1070, 29.0610,  
40.5250

 75.1650, 59.8180,  
83.3540


 142.0150, 23.1480,  
32.0440

 72.1160, 61.5140,  
85.6580

 153.6240, 16.6390,  
23.3510

 164.5320, 10.7260,  
14.8700

 175.5540, 4.4920,  
6.7000

 187.0490, -1.6960,  
-2.3040

 197.9570, -7.6090,  
-10.7850

 209.5660,  
-14.1180, -19.4780

# Harmonies

## Analogous

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



112.9550, -20.1810, 40.8670



108.5900, 41.4830, 57.6990



97.6420, 79.2630, 55.8310

# Triad

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



108.5900, 41.4830, 57.6990



103.7170, 44.8920, -31.6520



99.0810, -92.9790, -16.4910

# Complementary

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



108.5900, 41.4830, 57.6990



135.4100, -41.4830, -57.6990

# 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.



93.3980, -75.5990, -34.1190



108.5900, 41.4830, 57.6990



94.2940, 5.8780, -51.4820

# Square

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



108.5900, 41.4830, 57.6990



104.2580, 77.7620, -10.6060



84.7970, -55.5140, -51.2100



100.7060, -104.4440, -1.4360



# Rectangle

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



108.5900, 41.4830, 57.6990



98.9950, 87.7940, 38.8820



84.7970, -55.5140, -51.2100



97.7300, -87.7970, -22.3010

# Sweetspot

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



108.5900, 41.4830, 57.6990



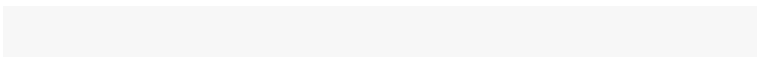
210.7980, 16.0890, 22.3050



81.0130, -26.0960, 43.4400



102.4070, 9.5800, 13.6120



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



108.5900, 41.4830, 57.6990



122.0180, 64.9060, 90.2660



101.5220, 61.3850, 38.4170



86.4890, 3.1170, 4.0850



61.1220, 52.2090, 72.5690



10.9940, 9.3050, 13.0890



# Inverse Universe

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



108.5900, 41.4830, 57.6990



122.0180, 64.9060, 90.2660



142.4780, -61.3850, -38.4170



86.4890, 3.1170, 4.0850



61.1220, 52.2090, 72.5690



10.9940, 9.3050, 13.0890



# Previews

## White Background



This preview shows how the YIQ color 108.5900, 41.4830, 57.6990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

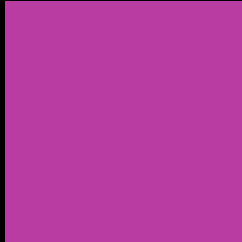
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 108.5900, 41.4830, 57.6990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

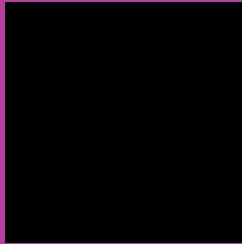
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 108.5900, 41.4830, 57.6990**

## **Background**



This preview shows how black text looks on a background with the YIQ color 108.5900, 41.4830, 57.6990.



This preview shows how white text looks on a background with the YIQ color 108.5900, 41.4830,



# 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

108.5900, 41.4830, 57.6990

### Protanopia

106.8590, -55.8020, 20.1180

### Deuteranopia

112.2000, -20.6340, 10.5180




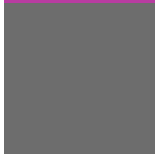

## Tritanopia

110.9750, 55.0150, 21.6950

# Trichromacy

|   |   |
|---|---|
|  | <b>Original Color</b><br>108.5900, 41.4830, 57.6990 |
|  | <b>Protanomaly</b><br>107.4400, -20.4090, 33.9830   |
|  | <b>Deuteranomaly</b><br>110.6580, 2.1040, 27.9600   |
|  | <b>Tritanomaly</b><br>110.2540, 50.3360, 34.9120    |

# Monochromacy

|   |   |
|---|---|
|   | <b>Original Color</b><br>108.5900, 41.4830, 57.6990 |
|  | <b>Achromatopsia</b><br>109.0000, -0.0000, 0.0000   |
|  | <b>Achromatomaly</b><br>108.6730, 14.9430, 21.0470  |

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 108.5900, 41.4830, 57.6990 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(184, 60, 161)` looks like.

```
.text, #text, p{  
    color:rgb(184, 60, 161)  
}
```

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(184, 60, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 60, 161) }
```

## Border

The CSS property to change the border of an element to YIQ 108.5900, 41.4830, 57.6990 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(184, 60, 161) }
```



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

```
.border{ border-color:rgb(184, 60, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 60, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 60, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 60, 161);  
box-shadow:4px 4px 4px 4px rgb(184, 60,  
161) }
```

# Background

The CSS property to change the background color of an element to YIQ 108.5900, 41.4830, 57.6990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 60, 161) }
```

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

```
.background{ background-color: rgb(184, 60,  
161) }
```

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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