

# Converting Colors

YIQ(90.9200, 68.2980, 94.8740)

Have a look what the booklet for  
YIQ(90.9200, 68.2980, 94.8740)  
contains.

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# Color

**YIQ(90.9200, 68.2980,  
94.8740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D70BB1
RGB	215, 11, 177
RGB Percent	84%, 4%, 69%
CMY	0.1563, 0.9571, 0.3057
CMYK	0.00, 0.95, 0.18, 0.16
HSL	311°, 90%, 44%
HSV	311°, 95%, 84%
XYZ	36.1266, 17.8830, 43.1616
YIQ	90.9200, 68.2980, 94.8740

# Conversions

## Conversions Part 2

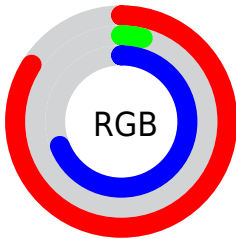
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 11, 177
Decimal	14093233
CIE <sub>Lab</sub>	49.35, 80.49, -34.24
CIE <sub>LCh</sub>	49, 87.469, 336.956
Yxy	17.8830, 0.3718, 0.1840
Android (android.graphics.Color)	4292283313 (0xFFD70BB1)
YUV	90.9200, 42.4374, 108.8182
Hunter-Lab	42.2883, 78.4868, -30.9127

# Details

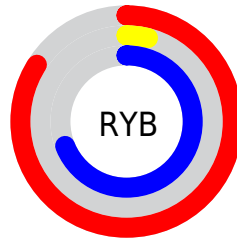
The YIQ color **90.9200, 68.2980, 94.8740** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **135.0800, -68.2980, -94.8740**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **159.1590, 50.7870, 76.3150**, and **60.4810, 52.5760, 71.4240** is the 20% darker color. If you saturate the color by 10%, you get **84.2350, 71.9650, 100.0050**, and if you desaturate by 10%, it is **103.7030, 61.2390, 85.1350**.

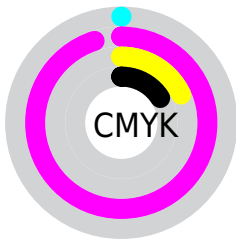
# Distribution



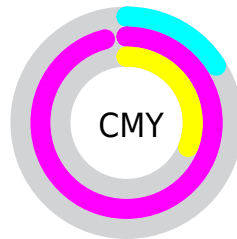
- Red (84%)
- Green (4%)
- Blue (69%)



- Red (84%)
- Yellow (4%)
- Blue (69%)



- Cyan (0%)
- Magenta (95%)
- Yellow (18%)
- Black (16%)



- Cyan (16%)
- Magenta (96%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.9200, 68.2980, 94.8740 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 90.9200, 68.2980, 94.8740 by changing the saturation by 10% instead.



90.9200, 68.2980,  
94.8740

90.9200, 68.2980,  
94.8740

255.0000, -0.0000,  
-0.0000

72.4150, 62.1100,  
85.8700

159.1590, 50.7870,  
76.3150

60.4810, 52.5760,  
71.4240

179.8640, 35.2000,  
66.9440

48.9600, 43.3170,  
57.5010

197.4740, 26.9500,  
51.2540

37.4390, 34.0580,  
43.5780

215.0840, 18.7000,  
35.5640

27.0430, 25.9450,  
30.9130

232.6940, 10.4500,  
19.8740

15.5650, 15.1270,  
17.7110

250.3040, 2.2000,

0.0000, 0.0000,

4.1840

0.0000

■ 90.9200, 68.2980,  
94.8740

■ 90.9200, 68.2980,  
94.8740

■ 84.2350, 71.9650,  
100.0050

■ 103.7030, 61.2390,  
85.1350

■ 117.0730, 53.9050,  
74.8730

■ 129.8560, 46.8460,  
65.1340

■ 143.2260, 39.5120,  
54.8720

■ 156.5960, 32.1780,  
44.6100

■ 169.3790, 25.1190,  
34.8710

■ 182.7490, 17.7850,  
24.6090

■ 195.5320, 10.7260,  
14.8700

■ 208.9020, 3.3920,  
4.6080

# Harmonies

## Analogous

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



117.6690, -21.6510, 56.5010



90.9200, 68.2980, 94.8740



84.2140, 110.8480, 83.6480

# Triad

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



90.9200, 68.2980, 94.8740



108.7120, 43.2880, -35.6240



109.7730, -106.5510, -12.8150

# Complementary

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



90.9200, 68.2980, 94.8740



135.0800, -68.2980, -94.8740

# 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.



101.4510, -83.1180, -35.5180



90.9200, 68.2980, 94.8740



89.9980, -17.1360, -63.9200

# Square

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



90.9200, 68.2980, 94.8740



109.0420, 87.2980, -7.2140



90.6840, -56.9340, -58.5180



111.8370, -120.6300, 5.5620



# Rectangle

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



90.9200, 68.2980, 94.8740



77.2470, 123.2760, 67.6600



90.6840, -56.9340, -58.5180



107.1510, -99.1680, -19.9680

# Sweetspot

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



90.9200, 68.2980, 94.8740



211.8410, 23.6980, 33.0900



45.3190, -43.4320, 71.2880



101.1460, 14.9890, 20.2130



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.



90.9200, 68.2980, 94.8740



99.8430, 85.5330, 118.4370



79.4060, 100.7190, 63.4630



100.3150, 3.6670, 5.1310



66.9750, 57.2970, 79.4810



16.8470, 14.3930, 20.0010



# Inverse Universe

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



90.9200, 68.2980, 94.8740



99.8430, 85.5330, 118.4370



146.5940, -100.7190, -63.4630



100.3150, 3.6670, 5.1310



66.9750, 57.2970, 79.4810



16.8470, 14.3930, 20.0010



# Previews

## White Background



This preview shows how the YIQ color 90.9200, 68.2980, 94.8740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

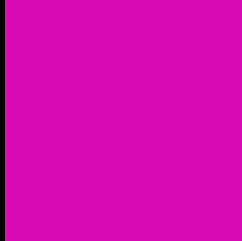
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 90.9200, 68.2980, 94.8740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

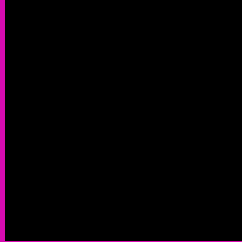
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 90.9200, 68.2980, 94.8740**

## **Background**



This preview shows how black text looks on a background with the YIQ color 90.9200, 68.2980, 94.8740.



This preview shows how white text looks on a background with the YIQ color 90.9200, 68.2980,



# 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

90.9200, 68.2980, 94.8740

### Deuteranopia

118.1010, -24.6690, 12.0590

### Tritanopia

111.1200, 79.7720, 30.0760

# Trichromacy



## Original Color

90.9200, 68.2980, 94.8740

## Deuteranomaly

107.9230, 9.2080, 42.3920

## Tritanomaly

103.9080, 75.4580, 53.2020

# Monochromacy



## Original Color

90.9200, 68.2980, 94.8740

## Achromatopsia

91.0000, -0.0000, -0.0000

## Achromatomaly

90.9660, 24.8440, 34.3480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.9200, 68.2980, 94.8740 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(215, 11, 177)` looks like.

```
.text, #text, p{  
    color:rgb(215, 11, 177)  
}
```

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(215, 11, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 11, 177) }
```

## Border

The CSS property to change the border of an element to YIQ 90.9200, 68.2980, 94.8740 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(215, 11, 177) }
```

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

```
.border{ border-color:rgb(215, 11, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 11, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 11, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 11, 177);  
box-shadow:4px 4px 4px 4px rgb(215, 11,  
177) }
```



# Background

The CSS property to change the background color of an element to YIQ 90.9200, 68.2980, 94.8740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 11, 177) }
```

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

```
.background{ background-color: rgb(215, 11,  
177) }
```

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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