

# Converting Colors

YIQ(93.3810, 41.1140, 69.8980)

Have a look what the booklet for  
YIQ(93.3810, 41.1140, 69.8980)  
contains.

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# Color

**YIQ(93.3810, 41.1140,  
69.8980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B025A7</a>
RGB	<a href="#">176, 37, 167</a>
RGB Percent	<a href="#">69%, 15%, 65%</a>
CMY	<a href="#">0.3094, 0.8551, 0.3450</a>
CMYK	<a href="#">0.00, 0.79, 0.05, 0.31</a>
HSL	<a href="#">304°, 65%, 42%</a>
HSV	<a href="#">304°, 79%, 69%</a>
XYZ	<a href="#">25.5645, 13.3525, 37.7968</a>
YIQ	<a href="#">93.3810, 41.1140, 69.8980</a>

# Conversions

## Conversions Part 2

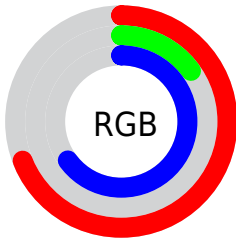
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 37, 167
Decimal	11543975
CIE <sub>Lab</sub>	43.29, 67.19, -38.34
CIE <sub>LCh</sub>	43, 77.361, 330.294
Yxy	13.3525, 0.3332, 0.1741
Android (android.graphics.Color)	4289734055 (0xFFB025A7)
YUV	93.3810, 36.2942, 72.4569
Hunter-Lab	36.5410, 60.9338, -35.7488

# Details

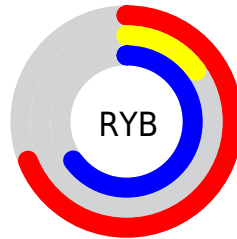
The YIQ color **93.3810, 41.1140, 69.8980** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **119.6190, -41.1140, -69.8980**, and the grayscale version is **93.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **153.8000, 41.2520, 67.3960**, and **48.5770, 34.3300, 60.6820** is the 20% darker color. If you saturate the color by 10%, you get **82.7010, 46.3850, 79.0010**, and if you desaturate by 10%, it is **104.0610, 35.8430, 60.7950**.

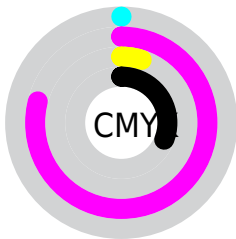
# Distribution



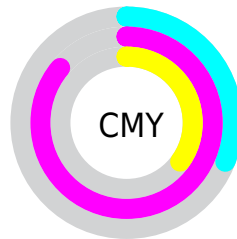
- Red (69%)
- Green (15%)
- Blue (65%)



- Red (69%)
- Yellow (15%)
- Blue (65%)



- Cyan (0%)
- Magenta (79%)
- Yellow (5%)
- Black (31%)




- Cyan (31%)
- Magenta (86%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.3810, 41.1140, 69.8980 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 93.3810, 41.1140, 69.8980 by changing the saturation by 10% instead.




 93.3810, 41.1140,  
69.8980


 93.3810, 41.1140,  
69.8980


255.0000, -0.0000,  
-0.0000

 59.9130, 42.6720,  
74.7040


 153.8000, 41.2520,  
67.3960


 48.5770, 34.3300,  
60.6820


 179.9950, 36.2090,  
65.1770


 37.6540, 26.2630,  
47.1830


 196.8870, 27.2250,  
51.7770

 26.8450, 17.8750,  
33.9950

 213.9100, 19.2500,  
36.6100

 16.1500, 9.1660,  
21.1180

 230.9330, 11.2750,  
21.4430

 2.8670, -6.6950,  
5.6970

 248.5430, 3.0250,

 0.0000, 0.0000,

5.7530

0.0000

■ 93.3810, 41.1140,  
69.8980

■ 93.3810, 41.1140,  
69.8980

■ 82.7010, 46.3850,  
79.0010

■ 104.0610, 35.8430,  
60.7950

■ 72.6080, 51.3810,  
87.5810

■ 114.1540, 30.8470,  
52.2150

■ 71.4340, 51.9310,  
88.6270

■ 124.8340, 25.5760,  
43.1120

■ 135.0410, 20.2590,  
34.8430

■ 145.7210, 14.9880,  
25.7400

■ 156.4010, 9.7170,  
16.6370

■ 166.4940, 4.7210,  
8.0570

■ 177.1740, -0.5500,  
-1.0460

■ 187.2670, -5.5460,  
-9.6260

# Harmonies

## Analogous

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



100.1300, -39.6670, 41.5890



93.3810, 41.1140, 69.8980



74.1620, 90.2630, 76.7510

# Triad

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



93.3810, 41.1140, 69.8980



96.0750, 47.0000, -25.8000



94.0600, -88.4860, -15.3180

# Complementary

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



93.3810, 41.1140, 69.8980



119.6190, -41.1140, -69.8980

# 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.



86.6500, -67.6210, -35.5330



93.3810, 41.1140, 69.8980



85.4340, 2.6680, -48.3720

# Square

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



93.3810, 41.1140, 69.8980



93.4040, 83.5830, -0.4570



76.2080, -43.7300, -55.5220



97.2980, -103.1150, 2.0130



# Rectangle

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



93.3810, 41.1140, 69.8980



69.6730, 104.3410, 63.9010



76.2080, -43.7300, -55.5220



91.6660, -81.7450, -21.8490

# Sweetspot

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



93.3810, 41.1140, 69.8980



196.6720, 16.6840, 28.0440



54.9390, -40.4470, 44.7130



94.8140, 9.9920, 17.1600



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



93.3810, 41.1140, 69.8980



99.7370, 65.0400, 109.8720



85.7430, 62.6210, 49.0610



83.7170, 2.4750, 4.7070



62.0490, 45.2850, 76.9090



10.5100, 7.7920, 12.9760



# Inverse Universe

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



93.3810, 41.1140, 69.8980



99.7370, 65.0400, 109.8720



127.2570, -62.6210, -49.0610



83.7170, 2.4750, 4.7070



62.0490, 45.2850, 76.9090



10.5100, 7.7920, 12.9760



# Previews

## White Background



This preview shows how the YIQ color 93.3810, 41.1140, 69.8980 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 93.3810, 41.1140, 69.8980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

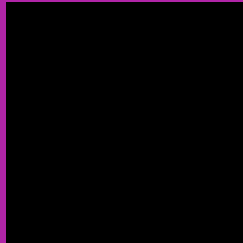
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 93.3810, 41.1140, 69.8980**

## **Background**



This preview shows how black text looks on a background with the YIQ color 93.3810, 41.1140, 69.8980.



This preview shows how white text looks on a background with the YIQ color 93.3810, 41.1140,



# 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

93.3810, 41.1140, 69.8980

### Protanopia

82.8680, -95.5520, 13.6320

### Deuteranopia

101.1970, -33.7470, 11.3810



## Tritanopia

100.9750, 55.0150, 21.6950

# Trichromacy



## Original Color

93.3810, 41.1140, 69.8980

## Protanomaly

86.6790, -45.9470, 34.2530

## Deuteranomaly

98.2150, -6.6540, 32.4980

## Tritanomaly

98.0030, 49.7850, 39.3930

# Monochromacy



## Original Color

93.3810, 41.1140, 69.8980

## Achromatopsia

93.0000, -0.0000, -0.0000

## Achromatomaly

93.3080, 14.7130, 25.2170

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.3810, 41.1140, 69.8980 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(176, 37, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 37, 167)  
}
```

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(176, 37, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 37, 167) }
```

## Border

The CSS property to change the border of an element to YIQ 93.3810, 41.1140, 69.8980 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(176, 37, 167) }
```



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

```
.border{ border-color:rgb(176, 37, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 37, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 37, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 37, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 37,  
167) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.3810, 41.1140, 69.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 37, 167) }
```

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

```
.background{ background-color: rgb(176, 37,  
167) }
```

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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