

# Converting Colors

YIQ(78.4450, 9.8400, 97.0400)

Have a look what the booklet for  
YIQ(78.4450, 9.8400, 97.0400)  
contains.

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# Color

**YIQ(78.4450, 9.8400,  
97.0400)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	940DE9
RGB	148, 13, 233
RGB Percent	58%, 5%, 91%
CMY	0.4191, 0.9492, 0.0864
CMYK	0.36, 0.94, 0.00, 0.09
HSL	277°, 89%, 48%
HSV	277°, 94%, 91%
XYZ	27.0803, 12.4745, 78.0462
YIQ	78.4450, 9.8400, 97.0400

# Conversions

## Conversions Part 2

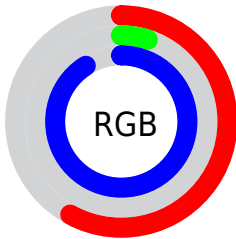
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 13, 233
Decimal	9702889
CIE <sub>Lab</sub>	41.96, 79.18, -79.06
CIE <sub>LCh</sub>	42, 111.891, 315.044
Yxy	12.4745, 0.2303, 0.1061
Android (android.graphics.Color)	4287892969 (0xFF940DE9)
YUV	78.4450, 76.1956, 60.9997
Hunter-Lab	35.3192, 75.0524, -106.2918

# Details

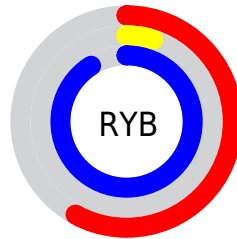
The YIQ color **78.4450, 9.8400, 97.0400** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **167.5550, -9.8400, -97.0400**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.2170, 18.5090, 77.5890**, and **45.7780, -5.2400, 72.9680** is the 20% darker color. If you saturate the color by 10%, you get **69.3190, 10.4350, 102.7790**, and if you desaturate by 10%, it is **94.6370, 8.8790, 86.9190**.

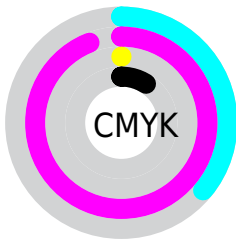
# Distribution



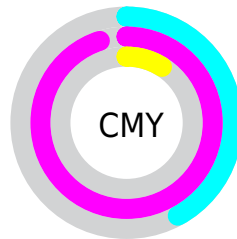
- Red (58%)
- Green (5%)
- Blue (91%)



- Red (58%)
- Yellow (5%)
- Blue (91%)



- Cyan (36%)
- Magenta (94%)
- Yellow (0%)
- Black (9%)



- Cyan (42%)
- Magenta (95%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 78.4450, 9.8400, 97.0400 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 78.4450, 9.8400, 97.0400 by changing the saturation by 10% instead.





 78.4450, 9.8400,  
97.0400


 78.4450, 9.8400,  
97.0400


255.0000, -0.0000,  
-0.0000


 58.5380, 4.8440,  
88.4600


 143.2170, 18.5090,  
77.5890


 45.7780, -5.2400,  
72.9680


 169.5090, 29.0100,  
68.9940


 32.4200, -16.5160,  
57.0520


 191.0170, 29.9750,  
57.0070

 14.6910, -37.0530,  
38.2670

 208.0400, 22.0000,  
41.8400

 10.8300, -30.4950,  
29.5450

 225.0630, 14.0250,  
26.6730

 12.0890, -24.3950,  
18.1090

 242.6730, 5.7750,

 7.7060, -16.1870,

10.9830

12.5250

■ 3.4370, -8.3000,  
7.2520

■ 0.0000, 0.0000,  
0.0000

■ 78.4450, 9.8400,  
97.0400

■ 78.4450, 9.8400,  
97.0400

■ 69.3190, 10.4350,  
102.7790

■ 94.6370, 8.8790,  
86.9190

■ 111.4160, 7.6430,  
76.2750

■ 127.6080, 6.6820,  
66.1540

■ 143.8000, 5.7210,  
56.0330

■ 159.9920, 4.7600,  
45.9120

■ 176.7710, 3.5240,  
35.2680

■ 192.9630, 2.5630,  
25.1470

■ 209.1550, 1.6020,  
15.0260

■ 225.9340, 0.3660,  
4.3820

# Harmonies

## Analogous

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



87.1830, -109.0800, 27.5280



78.4450, 9.8400, 97.0400



85.7560, 89.2510, 95.0990

# Triad

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



78.4450, 9.8400, 97.0400



92.4410, 72.9930, -6.7750



93.4270, -82.5700, -23.4180

# Complementary

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



78.4450, 9.8400, 97.0400



167.5550, -9.8400, -97.0400

# 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.



80.3800, -49.9660, -52.6380



78.4450, 9.8400, 97.0400



87.5930, 15.6420, -41.2060

# Square

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



78.4450, 9.8400, 97.0400



64.5840, 128.7360, 45.7920



72.2010, -33.8250, -64.3290



103.9320, -110.7720, 3.1160



# Rectangle

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



78.4450, 9.8400, 97.0400



83.7000, 118.0470, 79.8310



72.2010, -33.8250, -64.3290



89.1920, -72.0230, -32.8470

# Sweetspot

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



78.4450, 9.8400, 97.0400



204.9510, 2.8370, 31.1970



89.7360, -94.8200, 22.3960



97.0890, 1.9680, 19.4080



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.



78.4450, 9.8400, 97.0400



76.0130, 11.7170, 112.5890



101.3520, 67.5620, 108.2180



109.3470, 0.6410, 4.9050



53.8230, 8.0550, 79.8230



16.0230, 2.3340, 23.7900



# Inverse Universe

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



88.4700, 103.8350, 73.0750



87.4170, 120.5220, 84.5380



144.6480, -67.5620, -108.2180



109.7450, 5.2720, 3.5760



62.0990, 85.4060, 60.1420

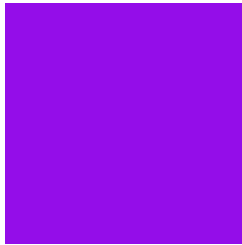


18.5400, 25.4430, 17.9790



# Previews

## White Background



This preview shows how the YIQ color 78.4450, 9.8400, 97.0400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

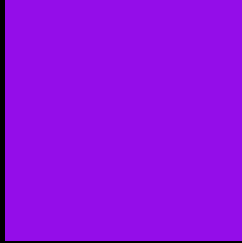
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 78.4450, 9.8400, 97.0400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

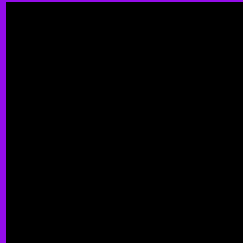
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 78.4450, 9.8400, 97.0400**

## **Background**



This preview shows how black text looks on a background with the YIQ color 78.4450, 9.8400, 97.0400.



This preview shows how white text looks on a background with the YIQ color 78.4450, 9.8400,



# 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

78.4450, 9.8400, 97.0400

### Protanopia

80.0810, -91.8380, 12.4020

### Deuteranopia

80.4110, -84.5000, 0.5560



## Tritanopia

101.1810, 15.9080, 9.0600

# Trichromacy



## Original Color

78.4450, 9.8400, 97.0400



## Protanomaly

79.2840, -54.6600, 43.4840



## Deuteranomaly

79.5800, -49.9820, 35.7940



## Tritanomaly

93.0220, 13.2430, 40.8510

# Monochromacy



## Original Color

78.4450, 9.8400, 97.0400



## Achromatopsia

78.0000, -0.0000, -0.0000



## Achromatomaly

77.7710, 3.5240, 35.2680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 78.4450, 9.8400, 97.0400 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(148, 13, 233)` looks like.

```
.text, #text, p{  
    color:rgb(148, 13, 233)  
}
```

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(148, 13, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 13, 233) }
```

## Border

The CSS property to change the border of an element to YIQ 78.4450, 9.8400, 97.0400 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(148, 13, 233) }
```



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

```
.border{ border-color:rgb(148, 13, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 13, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 13, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 13, 233);  
box-shadow:4px 4px 4px 4px rgb(148, 13,  
233) }
```

# Background

The CSS property to change the background color of an element to YIQ 78.4450, 9.8400, 97.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 13, 233) }
```

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

```
.background{ background-color: rgb(148, 13,  
233) }
```

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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